

ORDINARY COUNCIL MEETING

AGENDA

8:30am Thursday
16 June 2022

Council Chambers

"A thriving community, making the most of our coastline, ranges and rural settings to support us to grow and prosper"

JUNE 2022

SHIRE OF CHAPMAN VALLEY
Jamie Criddle
CHIEF EXECUTIVE OFFICER

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love the rural life!

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Any person or legal entity who acts or fails to act in reliance upon any statement, act or omission made in a Council Meeting does so at that person's or legal entity's own risk.

The Shire of Chapman Valley warns that anyone who has any application or request with the Shire of Chapman Valley must obtain and should rely on WRITTEN CONFIRMATION of the outcome of the application or request of the decision made by the Shire of Chapman Valley.



Jamie Criddle

CHIEF EXECUTIVE OFFICER

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ORDER OF BUSINESS

1.0 DECLARATION OF OPENING/ANNOUNCEMENTS OF VISITORS

I would like to acknowledge the traditional owners of the land we are meeting on today, the Naaguja people, and we pay our respects to elders both past, present and emerging.

2.0 ANNOUNCEMENTS FROM THE PRESIDING MEMBER

3.0 RECORD OF ATTENDANCE/APOLOGIES/LEAVE OF ABSENCE (PREVIOUSLY APPROVED)

3.1 Attendees

3.2 Apologies

3.3 Previously Approved Leave of Absence (By Resolution of Council)

4.0 PUBLIC QUESTION TIME

4.1 Response to Previous Public Questions on Notice

4.2 Public Question Time

5.0 APPLICATIONS FOR LEAVE OF ABSENCE (by Resolution of Council)

6.0 DISCLOSURE OF INTEREST

Members should fill in Disclosure of Interest forms for items in which they have a financial, proximity or impartiality interest and forward these to the Presiding Member before the meeting commences.

Section 5.60A:

"a person has a financial interest in a matter if it is reasonable to expect that the matter will, if dealt with by the local government, or an employee or committee of the local government or member of the council of the local government, in a particular way, result in a financial gain, loss, benefit or detriment for the person."

Section 5.60B:

"a person has a proximity interest in a matter if the matter concerns –

(a) a proposed change to a planning scheme affecting land that adjoins the person's land; or

(b) a proposed change to the zoning or use of land that adjoins the person's land; or

(c) a proposed development (as defined in section 5.63(5)) of land that adjoins the person's land."

Regulation 34C (Impartiality):

"interest means an interest that could, or could reasonably be perceived to, adversely affect the impartiality of the person having the interest and includes an interest arising from kinship, friendship or membership of an association."

Item No.	Member/Officers	Type of Interest	Nature of Interest

7.0 PETITIONS/DEPUTATIONS/PRESENTATIONS

7.1 Petitions

Nil

7.2 Presentations

Sue Hancock – Moresby Range Conversation Park Visitor Concept Plan

7.3 Deputations

Nil

8.0 CONFIRMATION OF MINUTES FROM PREVIOUS MEETINGS

8.1 Ordinary Meeting of Council held on Thursday 19th May 2022

That the Minutes of the Ordinary Meeting of Council held Thursday 19th May 2022 be confirmed as true and accurate.

9.0 ITEMS TO BE DEALT WITH EN BLOC

10.0 OFFICERS REPORTS

10.1
Deputy Chief Executive Officer

10.1 AGENDA ITEMS

10.1.1 Proposed Outbuilding – Yuna Townsite

10.1.2 Purpose Rezoning – Nabawa Church

10.1.1 Proposed Outbuilding – Yuna townsite

PROPONENT:	**Ellenbrook Sheds Pty Ltd for L. Reynolds**
SITE:	**6967 (Lot 70) Chapman Valley Road, Yuna**
FILE REFERENCE:	**A955**
PREVIOUS REFERENCE:	**Nil**
DATE:	**2 June 2022**
AUTHOR:	**Simon Lancaster, Deputy Chief Executive Officer**

SUPPORTING DOCUMENTS

Ref	Title	Attached to Report	Under Separate Cover
10.1.1	Submitted Application		√

DISCLOSURE OF INTEREST

Nil

BACKGROUND

Council is in receipt of an application for a shed upon 6967 (Lot 70) Chapman Valley Road, Yuna that exceeds the policy requirements for the 'Rural Townsite' zone. The application has been advertised for comment and no objections were received. This report recommends approval.

COMMENT

6967 (Lot 70) Chapman Valley Road is an 1,852m² property in the Yuna townsite that contains a residence and an existing 79.05m² shed and 30.62m² shed. The applicant is seeking to construct a 182.53m² shed that would take the total outbuilding area upon the property to 292.2m² which exceeds the 120m² maximum outbuilding area that can be determined under delegated authority for the 'Rural Townsite' zone, hence the presentation of this application to Council for deliberation.

Figure 10.1.1(a) – Location map for 6967 (Lot 70) Chapman Valley Road, Yuna



Figure 10.1.1(b) – Aerial Photograph of 6967 (Lot 70) Chapman Valley Road, Yuna



The development history for the property is as follows:

17/4/07 Applicant purchased 1,012m² Lot 6 containing the residence and 71.94m² shed (comprising 56.94m² enclosed area and 15m² carport area) in rear north-west corner.

22/8/08 Shire approved patio to rear of residence and 30.62m² shed upon Lot 6.

19/9/12 Council approved siting of green sea container in rear north-east corner of Lot 6.

29/6/18 Applicant purchased adjoining vacant 1,012m² Lot 5 from Government Employee's Housing Authority.

12/10/20 Applicant and Shire completed joint lot amalgamation and boundary rationalisation whereby applicant ceded 264m² to ensure footpath that was contained in applicant's privately owned land became part of

	the road reserve and in exchange a 94m² area of adjoining Yuna Park that was incorrectly fenced to appear part of the applicant's property was provided to the applicant by the Shire. As part of this process the applicant's Lots 5 & 6 were amalgamated to create the current 1,852m² Lot 70.
14/10/21	Shire approved 79.05m² shed (comprising 57.55m² enclosed area and 21.5m² carport area) to replace 71.94m² shed in rear north-west corner of Lot 70 that had been damaged by Cyclone Seroja and demolition permit issued.
9/5/22	Shire received application for 182.53m² shed upon Lot 70.
10-31/5/22	Application advertised for comment to all residents in Yuna townsite.

The application is for a 182.53m² colorbond outbuilding (comprising 154.93m² enclosed area and 27.6m² lean-to end bay) that would take the total outbuilding area upon Lot 70 to 292.2m².

Lot 70 is zoned 'Rural Townsite' and the Shire of Chapman Valley Outbuildings Local Planning Policy establishes a 120m² maximum (total aggregate) outbuilding area for this zone.

Due to the proposed outbuilding area exceeding the policy requirements, the application is unable to be determined by Shire staff under delegated authority and is placed before a meeting of Council for deliberation.

A copy of the received application, containing site, elevation and floor plans and the applicant's supporting correspondence outlining their reasons for seeking to build this shed has been provided as **separate Attachment 10.1.1** for Council's information.

Figure 10.1.1(c) – View looking north at property from Chapman Valley Road



Figure 10.1.1(d) – View looking east at property from Bawden Lane



Figure 10.1.1(e) – View looking south at property from Yuna Hall



Consideration of the applicant's sought variation to the outbuilding area policy requirements may be warranted in this instance, based upon the following:

- Lot 70 is a 1,852m² property, comprising 2 previously amalgamated lots, and is therefore larger than the typical 1,000m² townsite lot size that the outbuilding policy requirements were designed to address. It is also noted that the property would have been an even greater 2,024m² in area were it not for the applicant having previously ceded without cost to the Shire a strip of land along the front of their property to accommodate the public footpath.
- Lot 70 is not a typical townsite lot in that it is not set in a row of 1,000m² lots on a residential street each containing a residence that would create a common streetscape and amenity. Instead Lot 70 backs onto the Yuna Hall to the north, the Yuna Park to the east, Bawden Lane and the Yuna CWA to the west and the heavy haulage route of Chapman Valley Road to the south and beyond that the CXBH infrastructure. The property does not therefore have immediately adjoining residential neighbours, with the nearest residences being located 70m west of the proposed shed site on the other side of the CWA building and 80m to the east on the other side of the Yuna Park.
- There are a number of significant buildings in vicinity to the proposed shed that would not make its visual impact seem excessive, including the Yuna Hall 40m to the north, the water tower 55m north-east, the former Yuna Tavern 80m to the east, and the large CBH grain storage sheds 100m to the south and 200m to the south-east.
- Council may wish to impose condition of development approval that the 2nd (white) sea container upon the property in the north-west corner of Lot 70 must be removed upon completion of the shed.
- Whilst the outbuilding's proposed 3.5m wall height would exceed the maximum 3m wall height specified in Council's Outbuildings Policy for the 'Rural Townsite' zone, the 4.312m gable/overall height would meet with the 4.5m maximum total height specified in Council's Outbuildings Policy.
- The visual impact of the proposed shed to the Chapman Valley Road streetscape would be reduced by the shed being sited 13.6m back from the front property boundary and 27m back from the edge of the Chapman Valley Road carriageway.
- The visual impact of the proposed shed from Bawden Lane would be reduced by the completion of the insurance repairs to the Cyclone Seroja damaged colorbond fence that runs along the western side boundary of the property.
- The shed location is setback sufficiently from the Bawden Lane and Chapman Valley Road intersection that it would not impede vehicle sightlines.
- No objections were received when the application was advertised and this may be considered to demonstrate a general level of acceptance and/or indifference for the proposed development from the other Yuna townsite residents.
- The proposed shed would take up 9.86% of the property, and the total outbuilding area would take up 15.78% of the property and this can be considered a reasonable level of site coverage, and provides sufficient non-impervious surface area upon Lot 70 to ensure stormwater runoff is captured and managed within the property boundaries rather than discharged onto Chapman Valley Road or Bawden Lane. It might be further noted that the total outbuilding area would have covered a lesser 14.44% of the applicant's property had they not previously provided 264m² of their land to the Shire for the existing footpath.
- The shed will be setback 13.6m from the front property boundary which is a greater distance than the 7.5m residence setback from the front boundary, establishing the residence as the primary visual focus from Chapman Valley Road.
- Of the 292.2m² total outbuilding area, 49.1m² will be open-sided giving a slightly reduced visual aspect to the outbuildings.
- The outbuilding would have Classic Cream wall and roof cladding to match the colorbond boundary fence and Pale Eucalypt barges and gutters to complement the existing sheds on the property.
- The construction of the shed is considered to be of benefit to the landowner by enabling them to store their vehicles and possessions securely and out of the weather, but also provide an improved streetscape value rather than have them out in the open.

In the event that Council consider that the application does not meet its requirements and that it should be REFUSED then it may find the following wording appropriate:

> *"That Council refuse the application for an outbuilding upon 6967 (Lot 70) Chapman Valley Road, Yuna for the following reasons:*
>
> *1 The development is considered contrary to Section 37 of the Shire of Chapman Valley Local Planning Scheme No.3.*

2 *The development is considered contrary to Clause 67 of the deemed provisions of the Planning and Development (Local Planning Schemes) Regulations 2015.*

3 *The development is considered contrary to the objectives of the Shire of Chapman Valley Local Planning Policy 1.4 – Outbuildings.*

4 *Approval of this application may well set an undesirable precedent for future variation to the Shire's statutory and strategic planning requirements.*

Advice Note:

If an applicant is aggrieved by this determination there is a right (pursuant to the Planning and Development Act 2005) to have the decision reviewed by the State Administrative Tribunal. Such application must be lodged within 28 days from the date of determination."

STATUTORY ENVIRONMENT

6967 (Lot 70) Chapman Valley Road, Yuna is zoned 'Rural Townsite' under the Shire of Chapman Valley Local Planning Scheme No.3. Table 2 of the Scheme lists the objectives for this zone as being:

"• To provide for a range of land uses that would typically be found in a small country town."

Section 37 of the Scheme Appearance of land and buildings' lists the following:

"(1) Unless otherwise approved by the local government, no person shall erect any building or other structure which by reason of colour or type of materials, architectural style, height or bulk, ornament or general appearance, has an exterior appearance which is out of harmony with existing buildings or the landscape character of the area."

Clause 67 of the deemed provisions of the *Planning and Development (Local Planning Schemes) Regulations 2015* lists the following relevant matters to be considered by Council in considering a development application:

"(a) the aims and provisions of this Scheme and any other local planning scheme operating within the Scheme area;…

…(fa) any local planning strategy for this Scheme endorsed by the Commission;

(g) any local planning policy for the Scheme area;…

…(m) the compatibility of the development with its setting including the relationship of the development to development on adjoining land or on other land in the locality including, but not limited to, the likely effect of the height, bulk, scale, orientation and appearance of the development;

(n) the amenity of the locality including the following —

(i) environmental impacts of the development;

(ii) the character of the locality;

(iii) social impacts of the development;…

…(p) whether adequate provision has been made for the landscaping of the land to which the application relates and whether any trees or other vegetation on the land should be preserved;…

…(s) the adequacy of —

(i) the proposed means of access to and egress from the site; and

(ii) arrangements for the loading, unloading, manoeuvring and parking of vehicles;…

…(x) the impact of the development on the community as a whole notwithstanding the impact of the development on particular individuals;

(y) any submissions received on the application;…

…(zb) any other planning consideration the local government considers appropriate."

POLICY/PROCEDURE IMPLICATIONS

Part 2 of the deemed provisions of the *Planning and Development (Local Planning Schemes) Regulations 2015* provides for the Council to prepare a Local Planning Policy in respect of any matter related to the planning and development of the Scheme area.

A Local Planning Policy does not bind the local government in respect of any application for planning approval but the local government is to have due regard to the provisions of the policy and the objectives which the policy is designed to achieve before making its determination.

In most circumstances the Council will adhere to the standards prescribed in a Local Planning Policy, however, the Council is not bound by the policy provisions and has the right to vary the standards and approve development where it is satisfied that sufficient justification warrants a concession and the variation granted will not set an undesirable precedent for future development.

The Shire of Chapman Valley Outbuildings Local Planning Policy has the following objectives:

"3.1 To alter the deemed to comply provisions of the R-Codes for Outbuildings.
3.2 To provide a clear definition of what constitutes an "outbuilding".
3.3 To ensure that outbuildings are not used for habitation, commercial or industrial purposes by controlling building size and location.
3.4 To limit the visual impact of outbuildings.
3.5 To encourage the use of outbuilding materials and colours that complement the landscape and amenity of the surrounding areas.
3.6 To ensure that the outbuilding remains an ancillary use to the main dwelling or the principle land use on the property."

Section 6.2 of Council's Outbuildings Policy lists the maximum total aggregate outbuilding area for the 'Rural Townsite' zone as being 120m². Lot 70 currently has a total aggregate outbuilding area of 109.67m², and the proposed shed increase the total outbuilding area upon Lot 70 to 292.2m², hence the presentation of this application to Council for deliberation.

Section 6.2 of Council's Outbuildings Policy lists the maximum outbuilding wall height as 3m and the total height as 4.5m for the 'Rural Townsite' zone. The proposed shed would have a 3.5m wall height, that would exceed the maximum 3m wall height specified in the policy, however the 4.312m overall height would with the meet with the 4.5m maximum total height policy requirement.

The 'Outbuildings' Local Planning Policy can be viewed at the following link to the Shire website:
https://www.chapmanvalley.wa.gov.au/local-planning-policies.aspx

FINANCIAL IMPLICATIONS

Nil Shire budgetary impact.

Long Term Financial Plan (LTFP):

The Shire of Chapman Valley Long Term Financial Plan was endorsed by Council at its 19 June 2019 meeting. It is not considered that determination of this application would have impact in relation to the Long Term Financial Plan.

STRATEGIC IMPLICATIONS

The Shire of Chapman Valley Local Planning Strategy has the following vision statement for Precinct No.8 – Yuna townsite:

> *"The consolidation and enhancement of the Yuna townsite as a service centre for the broader agricultural area."*

Strategic Community Plan/Corporate Business Plan:

The Shire of Chapman Valley Strategic Community Plan was endorsed by Council at its 15 November 2017 meeting and includes the following objectives of relevance:

No.	Objective	Strategy	Action	Timeline
1.3	Maintain and enhance safety and security for the community	Enhance community and property security	Encourage improved communications and security across the Shire	Short
5.3	Make informed decisions within resources and areas of responsibility	Council and Shire process formally incorporate integrated plans as references for decision making	Reference Strategic Community Plan, Corporate Business Plan, Asset Management Plan, Long Term Financial Plan and Workforce Plan regularly as part of decision making process	Ongoing

CONSULTATION

Section 7.2 of the Shire's Outbuildings Local Planning Policy notes that applications seeking variation require consultation by means of the Shire writing directly to the surrounding landowners inviting comment.

The application was advertised from 10/5/22 until 31/5/22 with the Shire; writing to all residents within the Yuna townsite inviting comment; placing a sign on-site advising of the received application and the opportunity for comment; and displaying a copy of the application and background information on the Shire website. At the conclusion of the advertising period no submissions had been received.

RISK ASSESSMENT

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response

VOTING REQUIREMENTS

Simple majority required

STAFF RECOMMENDATION

That Council grant formal planning approval for an outbuilding upon 6967 (Lot 70) Chapman Valley Road, Yuna subject to the following conditions:

1 Development shall be in accordance with the approved plans as contained within **Attachment 10.1.1** and subject to any modifications required as a consequence of any condition(s) of this approval. The endorsed plans shall not be modified or altered without the prior written approval of the local government.

2 Any additions to or change of use of any part of the building or land (not the subject of this consent/approval) requires further application and planning approval for that use/addition.

3 The outbuilding is only to be used for general storage purposes associated with the predominant use of the land and must not be used for habitation, commercial or industrial purposes.

4 The walls and roof of the outbuilding must be of materials, finish and colours that are complementary to the existing built form upon the property to the approval of the local government.

5 All stormwater from the development must be contained and disposed of on-site to the approval of the local government and not discharged onto Bawden Lane or Chapman Valley Road.

6 Maintenance of fencing about the development for the purposes of screening to the approval of the local government.

7 The sea container located in the north-west corner of the property must be removed from the property upon completion of the outbuilding.

8 If the development/land use, the subject of this approval, is not substantially commenced within a period of two years after the date of determination, the approval shall lapse and be of no further effect.

Notes:

(a) Where an approval has so lapsed, no development/land use shall be carried out without the further approval of the local government having first been sought and obtained.

(b) If an applicant is aggrieved by this determination there is a right pursuant to the *Planning and Development Act 2005* to have the decision reviewed by the State Administrative Tribunal. Such application must be lodged within 28 days from the date of determination.

10.1.2 Proposed Rezoning – Nabawa Church

PROPONENT:	**Trustees of the Northern Diocese of Western Australia**
SITE:	**4 (Lot 4) Post Office Lane, Nabawa**
FILE REFERENCE:	**A1367 & 204.11.03**
PREVIOUS REFERENCE:	**Nil**
DATE:	**8 June 2022**
AUTHOR:	**Simon Lancaster, Deputy Chief Executive Officer**

SUPPORTING DOCUMENTS

Ref	Title	Attached to Report	Under Separate Cover
10.1.2	Submitted Rezoning Application		√

DISCLOSURE OF INTEREST

Nil

BACKGROUND

Council is in receipt of an application to rezone the Nabawa Anglican Church property of 4 (Lot 4) Post Office Lane, Nabawa from 'Civic and Community' to 'Residential R10' to allow for its future sale. This report recommends that Council initiate the Scheme Amendment process.

COMMENT

4 (Lot 4) Post Office Lane is a 1,012m² property in the Nabawa townsite that contains the St Bartholomew's Anglican Church.

Figure 10.1.2(a) – Location map for 4 (Lot 4) Post Office Lane, Nabawa



The Nabawa Anglican Church was built in 1959 to replace the previous church that was located north of the Nabawa Cemetery that had been damaged by cyclone. The Nabawa Church has seen declining use in recent years and was significantly damaged during Cyclone Seroja in 2021.

The Trustees of the Northern Diocese of Western Australia are proposing to deconsecrate the Church and rezone the property to Residential and dispose of the property. A copy of the received Scheme Amendment documentation has been provided as **separate Attachment 10.1.2**.

Figure 10.1.2(b) – Aerial Photograph of 4 (Lot 4) Post Office Lane, Nabawa



Shire staff raise no objection to this proposed rezoning to 'Residential' on the following basis:

- it is considered preferable for the building to be occupied as this will ensure its upkeep rather than it continue to decline as an underutilised public building.
- the property has power and water service connection.
- whilst the building has not been designed for habitable purposes there is ability for it to be converted to meet the Class 1 (habitable) requirements of the Building Code of Australia prior to occupation.
- the development of the property for residential purposes would increase the Nabawa townsite population.
- the development of the property for residential purposes would not introduce a driveway onto the heavy haulage route of Chapman Valley Road as the property has direct access onto Post Office Lane.
- the conversion of the building to a residence, and with it likely internal and external alterations, would not be contrary to the Shire's Heritage Inventory which notes that changes to the place should be in sympathy with its heritage values.

- the 1,012m² size of the property is in keeping with the other townsite lots and allows for sufficient area to develop Lot 4 as a residential property i.e. accommodate alterations/extensions, shed(s), driveway and off-street vehicle parking.
- were the property to be sold into private ownership and the zoning remained for 'civic and community' purposes this would require future applications to be assessed against the zoning purpose which is for community facilities.
- where a property has a zoning that is deemed to preclude uses other than for exclusively public purposes this may expose the local government to a claim or compensation.
- the rezoning of the land to 'Residential R10' would be in keeping with the zoning of the other lots along Post Office Lane and the nearby Nabawa townsite residential lots.
- there is an oversupply of 'Civic and Community' zoned land in the Nabawa townsite and there is no identified community need for the building with the townsite already containing a Shire office, library, community centre, recreation centre, Mens Shed and multiple sporting facilities that have a multi-purpose capacity.
- the rezoning of the land would enable the site to enter into a new phase as circumstances change, this is a common phenomenon throughout Mid West townsites as formerly public buildings such as schools, police stations and churches transition to housing, and this trend has been hastened by the impact of Cyclone Seroja as organisations review their asset registers, liabilities, insurance exposure and underutilised buildings, and based upon discussions with the Catholic Church a similar rezoning application is likely to be received in the near future for the Yuna Church property also.

Figure 10.1.2(c) – View of St Bartholomew's Anglican Church pre and post Cyclone Seroja



Figure 10.1.2(d) – View of western and rear elevations of St Bartholomew's Anglican Church



The Anglican Diocese made enquiry last year with the Shire as to whether it would be supportive of the Nabawa Church being reroofed with metal sheeting rather than roof tiles. The cyclone damage to the Church had shown that over time the weight of the roof tiles had led to roof framework issues and the landowner was considering amongst its repair

options the replacing of the roof tiles with the lighter alternative of metal sheeting. Council generally discussed this at its June 2021 Concept Forum and raised no objection to the reroofing of the Nabawa Church with colorbond metal sheeting.

Since that time repair works have not commenced and the temporary tarpaulins have deteriorated and the Church's interior has been exposed to further rain events. Due to the Church's visibility from Chapman Valley Road and central position in the Nabawa townsite the local community and passing motorists regularly raise query with the Shire on the progress of repairs.

It is therefore considered that as part of its determination on this matter Council should also seek an update from the landowner on the repairs program and associated timeframe and this can then inform Council's subsequent (post-advertising) deliberations on this matter. It is not considered ideal for the building to remain vulnerable to further weather damage or to be advertised for sale in its current state and the financial burden and liability placed on a future landowner, and roof repairs to make the building weather-proof should ideally be attended to by the current landowner and their insurer prior to sale.

Alternatively in the event that the Anglican Diocese consider that the scale of damage and cost of building repairs building warrants the Church's demolition then this should again be handled whilst they remain the landowner rather than place the onus on another party.

Whichever the outcome (either repair and sale as a lot containing a building with potential for conversion to a residence, or demolition and sale as a vacant lot) the rezoning of the land to 'Residential' should be proceeded with as the current 'Civic and Community' zoning is no longer appropriate given that this site is no longer required for a public purpose.

The applicant upon request has provided the following additional information in regard to the landowner's intention regarding the building upon Lot 4:

> *"As discussed, we have spoken to Khim Harris, Diocesan Registrar, and confirm the following information for your assistance and to address any additional queries that may arise.*
>
> *1 Insurance received for Cyclone Seroja damage to the Church of St Bartholomew for repair or demolition, was approximately 50% below the costs associated with quoted repair works (noting that it is now a requirement to make it 'cyclone proof').*
>
> *2 As the Church is no longer regularly used in the Parish of Northampton, the Trustees resolved that the property would be disposed of, either with the Church building demolished; or with structure in-situ on a "as-is" basis.*
>
> *3 Church has been deconsecrated and most of the furniture removed.*
>
> *4 Where possible, tarps have been used to secure the building, but this has been increasingly difficult and unsafe for church workers (mostly volunteers) to complete.*
>
> *5 The Diocese have been unable to secure tradespeople in recent months to fully re-tarp the building to protect it from weather.*
>
> *6 Real estate advice received indicated that the property may be more marketable with the Church structure retained for parties interested in a unique building project.*
>
> *7 This would also ensure the building was preserved, in recognition of its Heritage value, as defined in the Shire's Heritage Inventory.*
>
> *8 Utilisation of the building structure is also considered a sustainable use of existing resources.*
>
> *9 The Diocese has received some initial interest in the property for conversion to a dwelling.*
>
> *10 Subsequent damage from winter rains has caused additional damage to the structure, and the building (as well as the surrounding grounds) is increasingly unsafe.*
>
> *11 The Diocesan preference is not to demolish the building, however, may be required to do so if further damage exasperates public safety issues.*

12 *Once the rezoning is initiated by the local government, marketing of the lot would be commenced.*

13 *The Diocese is happy to provide the Shire of Chapman Valley with updates if circumstances detailed above, do change.*

14 *If demolition becomes necessary, it is acknowledged that a development application will be required to be lodged with the local government."*

STATUTORY ENVIRONMENT

4 (Lot 4) Post Office Lane, Nabawa is zoned 'Civic and Community' under the Shire of Chapman Valley Local Planning Scheme No.3. Table 1 of the Scheme lists the objectives for this zone as being:

"• *To provide for a range of community facilities which are compatible with surrounding development.*
• *To provide for public facilities such as halls, theatres, art galleries, educational, health and social care facilities, accommodation for the aged, and other services by organisations involved in activities for community benefit."*

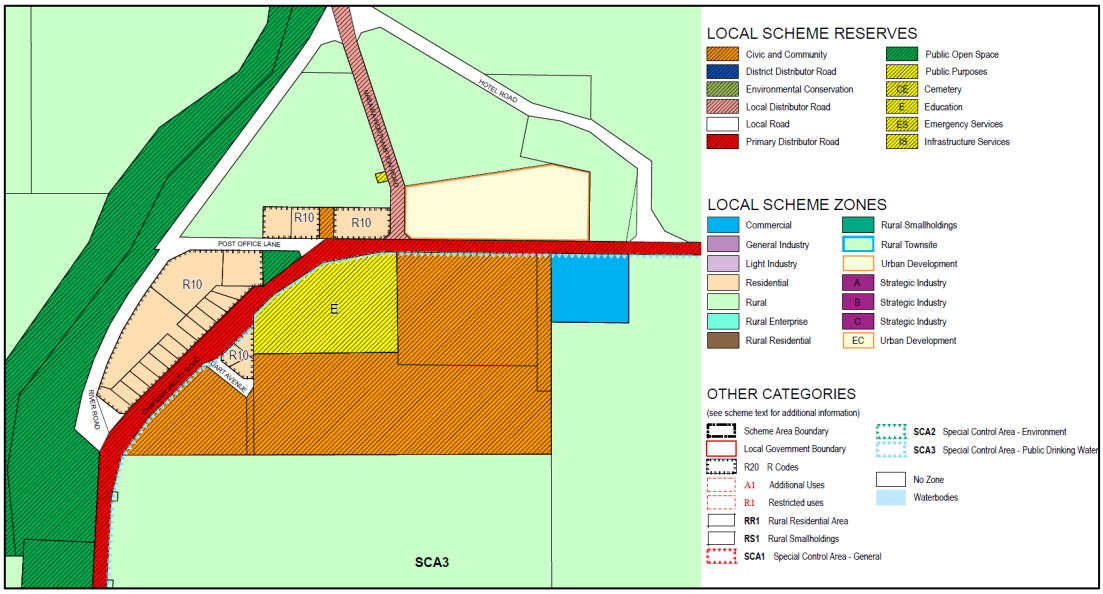
The application seeks to rezone Lot 4 to 'Residential R10' and Table 2 of the Scheme lists the objectives for this zone as:

"• *To provide for a range of housing and a choice of residential densities to meet the needs of the community.*

• *To facilitate and encourage high quality design, built form and streetscapes throughout residential areas.*

• *To provide for a range of non-residential uses, which are compatible with and complementary to residential development."*

Figure 10.1.2(e) – extract from Shire of Chapman Valley Local Planning Scheme Map



Part 5 of the *Planning & Development Act 2005* provides for the amendment of a Scheme.

The Nabawa Church is listed on the Shire of Chapman Valley Heritage Inventory as a Management Category 4 building (1 being the highest category and 5 the lowest) in that it has:

"Level of Significance:

Some Significance. Contributes to the heritage and/or historical development of the locality.

Management Recommendation:

Conservation of the place is desirable. Any proposed change to the place should be in sympathy with the heritage values of the place."

Section 45 of the now repealed *Heritage of Western Australia Act 1990* required every local government to compile a Municipal/Heritage Inventory of Places within its district which in its opinion are, or may become, of cultural heritage significance. The Shire's Inventory was prepared in 1995 and reviewed in 2012.

The *Heritage Act 2018* replaced the 1990 legislation and required that local governments update their Heritage Inventories into Local Heritage Surveys. The Shire of Chapman Valley has been awarded a grant by the Department of Planning, Lands & Heritage (DPLH) to review its Inventory and it is anticipated it will take approximately 12 months to complete the statutory process.

The *Planning and Development (Local Planning Schemes) Regulations 2015* also introduced the requirement that local governments *"must establish and maintain a Heritage List to identify places within the Scheme area that are of cultural heritage significance and worthy of built heritage conservation".* Upon conclusion of the Heritage Inventory review/Local Heritage Survey preparation process the Shire will be in position to formally consider its Heritage List.

Given the Heritage Inventory lists the Nabawa Church as being Category 4, and generally it is Category 1 & 2 Places that are considered for statutory listing, it is unlikely that this site would be recommended for inclusion on the Local Heritage List.

The Nabawa Church is not listed on the State Register of Heritage Places and re-development of the property is not therefore required to be referred to the DPLH for comment (although the Shire can still invite comment during the rezoning advertising process).

POLICY/PROCEDURE IMPLICATIONS

Nil.

FINANCIAL IMPLICATIONS

Nil.

Long Term Financial Plan (LTFP):

The Shire of Chapman Valley Long Term Financial Plan was endorsed by Council at its 19 June 2019 meeting. It is not considered that determination of this application would have impact in relation to the Long Term Financial Plan.

STRATEGIC IMPLICATIONS

The Shire of Chapman Valley Local Planning Strategy has the following vision statement for Precinct No.9 – Nabawa townsite:

"The planned expansion of the Nabawa townsite as the administration centre for the Shire with the provision of light industry and rural residential opportunities.

The Strategy contains the following precinct objectives of relevance:

Community Objectives

9.1.3 Encourage the protection and restoration of places and buildings of heritage/historical significance.

Economic Objectives

9.2.1 Accommodate urban growth with a focus on larger lots for affordable rural lifestyle opportunities.

9.2.3 Ensure urban and rural residential development can proceed through the provision of appropriate services and infrastructure.

Infrastructure Objectives

9.4.1 Enhance the standards of servicing and infrastructure commensurate with urban development standards (i.e. bitumen sealed roads, reticulated water, underground power etc).

9.4.2 Ensure adequate levels of servicing and infrastructure, as determined by Council, exist or will be provided when supporting proposals for a change in land use/development or subdivision, to avoid burden (financial or otherwise) on the Council's resources.

Strategic Community Plan/Corporate Business Plan:

The Shire of Chapman Valley Strategic Community Plan was endorsed by Council at its 15 November 2017 meeting and includes the following objective of relevance:

No.	Objective	Strategy	Action	Timeline
1.1	Nurture the sense of community	Development of plans relevant to population needs	Review existing plans and develop new plans as required	Short

CONSULTATION

Should Council support this rezoning application then it is required to forward a copy of the Scheme Amendment documentation to the Environmental Protection Authority ('EPA') for its assessment as per Section 81 of the *Planning & Development Act 2005*. Should the EPA advise that the proposed rezoning does not warrant assessment under Part IV Division 3 of the *Environmental Protection Act 1986* then the Shire would forward a copy of the Scheme Amendment documentation to the Western Australian Planning Commission (WAPC) seeking its consent to advertise the rezoning application as a standard scheme amendment.

Were Council to initiate the rezoning, and the WAPC to grant consent to advertise the application as a standard scheme amendment, then the Shire would undertake the following actions of consultation, inviting comments and responses within a 42 day advertising period:

- erect a public notification sign upon the site;
- place a notice within a locally circulating newspaper;
- place a copy of the Scheme Amendment documentation on the Shire website;
- place a copy of the Scheme Amendment documentation in the Shire office/library for public viewing;
- write directly to all surrounding landowners; &
- write directly to all relevant government agencies and service authorities.

At the completion of the advertising period all received submissions must be presented for Council's consideration, and should the Scheme Amendment be given final approval at this point by Council then the rezoning documents would be forwarded to the WAPC seeking final assessment and approval.

RISK ASSESSMENT

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response

VOTING REQUIREMENTS

Simple majority required

STAFF RECOMMENDATION

That Council:

1 Pursuant to Part 5 of the *Planning and Development Act 2005* amend the Shire of Chapman Valley Local Planning Scheme No.3 by:

(a) Rezoning 4 (Lot 4) Post Office Lane, Nabawa from 'Civic and Community' to a 'Residential R10' zone.

(b) Modifying the Scheme Map accordingly.

2 Request from the landowner of 4 (Lot 4) Post Office Lane, Nabawa an update on the status of repairs to the St Bartholomew's Anglican Church and that this information will be given regard in Council's further consideration of this matter.

10.2
Manger of Finance & Corporate Services

10.2 AGENDA ITEMS

10.2.1 Financial Management Reports
10.2.2 Elected Members Allowances
10.2.3 Differential Rating
10.2.4 Proposed Fees and Charges
10.2.5 For A Better Chapman Valley – Fee Waiver
10.2.6 Yuna CWA – Fee Waiver

10.2.1 Financial Management Report

PROPONENT:	**Shire of Chapman Valley**
SITE:	**Shire of Chapman Valley**
FILE REFERENCE:	**307.00**
PREVIOUS REFERENCE:	**Nil**
DATE:	**16 June 2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.1(a)	April 2022 Financial Management Reports		✓
10.2.1(b)	Confidential List of Accounts April 2022		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

Local Government (Financial Management) Regulations require monthly statements of financial activity to be reported and presented to Council.

COMMENT

The financial position at the end of April 2022 are detailed in the monthly management report provided as a separate attachment for Council's review.

STATUTORY ENVIRONMENT

Local Government Act 1995 Section 6.4

Local Government (Financial Management) Regulations 1996 Section 34

POLICY/PROCEDURE IMPLICATIONS

Nil

FINANCIAL IMPLICATIONS

As presented in the Financial Management Report for April 2022

Long Term Financial Plan (LTFP):

No significant effect on the LTFP

STRATEGIC IMPLICATIONS

Nil

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
5.1	Ensure governance and administration systems, policies and processes are current and relevant	Review policy categories and set ongoing accountability for review processes	Review current Council and Management policies and formalise update process and timelines.

CONSULTATION

Not applicable

RISK ASSESSMENT

The associated risk would be the failure to comply with Local Government Financial Regulations requiring monthly reporting of financial activity. Risk rating is considered Level 1 – Insignificant.

Measures of Consequence							
Rating (Level)	**Health**	**Financial Impact**	**Service Interruption**	**Compliance**	**Reputational**	**Property**	**Environment**
Insignificant (1)	**Negligible injuries**	**Less than $1,000**	**No material service interruption**	**No noticeable regulatory or statutory impact**	**Unsubstantiated, low impact, low profile or 'no news' item**	**Inconsequential or no damage.**	**Contained, reversible impact managed by on site response**

VOTING REQUIREMENTS

Simple Majority

STAFF RECOMMENDATION

That Council receives the financial management report supplied under separate cover for the month of April 2022 comprising the following:

Statement of Financial Activities with notes

Note 1 – Net Current Assets

Note 2 – Cash & Financial Assets

Note 3 – Receivables

Note 4 – Other Current Assets

Note 5 – Payables

Note 6 – Rate Revenue

Note 7 – Disposal of Assets

Note 8 – Capital Acquisitions

Note 9 – Borrowings

Note 10 – Lease Liabilities

Note 11 – Cash Reserves

Note 12 – Other Current Liabilities

Note 13 – Operating Grans and Contributions

Note 14 – Non Operating Grants and Contributions

Note 15 - Trust Funds

Note 16 - Explanation of Material Variances

Additional Information

Budget by Program

Summary of Payments

Bank Reconciliation

Credit Card Statement

10.2.2 Local Government Elected Members Allowances

PROPONENT:	**Shire of Chapman Valley**
SITE:	**Shire of Chapman Valley**
FILE REFERENCE:	
PREVIOUS REFERENCE:	**Nil**
DATE:	**16 June 2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.2(a)	WA SAT Determination		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

The Western Australian Salaries and Allowances Tribunal (WASAT) released their determination on the review of the Local Government elected member allowances under the Salaries and Allowances Act, 1975, Pursuant to Section 7(A) and 7(B).

Council resolved the following at the May 2021 Ordinary Meeting of Council which formed allocations for Elected Members Allowances in the 2021/2022 Budget

MOVED: Cr. Batten ***SECONDED: Cr. Forth***

COUNCIL RESOLUTION / STAFF RECOMMENDATION

1. *Council approves the following Elected Members allowances for the 2021/2022 Draft Budget:*

	Annual Attendance fees in lieu of Council meeting fees	***Annual Allowance (President)***	***Annual Allowance (Deputy President) - 25% of President***	***Annual Communication Allowance***	***Annual Travel Allowance***
President	*Maximum set by WASAT*	*$10,000*		*$500*	*$50*
Deputy President		*NA*	*$2,500*	*$500*	*$50*
Other Elected Members		*NA*		*$500*	*$50*

2. *That payments be made six-monthly in arrears (i.e. December and June).*

Council En Bloc Resolution
Voting F7/A0
CARRIED
Minute Reference: 05/21-02

COMMENT

The Western Australian Salaries and Allowances Tribunal (WASAT) determination for 2022/2023 was handed down on 7 April 2022 with minor changes to the fees set in the previous year. The Tribunal emphasised fees and allowances are provided to elected members to recognise the commitment of their time and to ensure they are not out of pocket for expenses properly incurred in the fulfilment of their duties. The Tribunal continues to recognise the degree of voluntary community service in the role of elected members. The WASAT 2022/2023 annual attendance fees for a Band 4 range from a minimum of $3,679 to a maximum of $9,742 per annum.

Extract below:

6.4 ANNUAL ATTENDANCE FEES IN LIEU OF COUNCIL MEETING, COMMITTEE MEETING AND PRESCRIBED MEETING ATTENDANCE FEES

The ranges of fees in Table 8 and Table 9 apply where a local government or regional local government decides by an absolute majority that, instead of paying council members an attendance fee referred to in section 5.98 of the LG Act, it will pay an annual fee to all council members who attend council, committee or prescribed meetings.

Table 8: Annual attendance fees in lieu of council meeting, committee meeting and prescribed meeting attendance fees – local governments

For a council member other than the mayor or president

Band	*Minimum*	*Maximum*
1	*$25,219*	*$32,470*
2	*$15,237*	*$23,811*
3	*$7,880*	*$16,776*
4	*$3,679*	*$9,742*

The 2021/2022 adopted budget included the maximum allowance for a Band 4 being $9,410 per annum. The total expense for a full council being $75,280 for 2021/2022. Should council endorse the increased maximum Band 4 allowance this would increase the total expense to $77,936; an increase of 3.5% for elected member payments.

Previous reviews and increases are listed below which are minimal across the years, it should also be noted State parliamentarians base salary have had not increased since July 2016.

- 2021 – 0.0%
- 2020 – 0.0%
- 2019 - 1.0%
- 2018 – 0.0%
- 2017 – 0.0%
- 2016 – 1.5%

The WASAT 2022/2023 annual allowance for President & Deputy President for a Band 4 range from a minimum of $526 to a maximum of $20,565 per annum. The 2021/2022 adopted budget included the maximum annual allowance for a President of $10,000 and Deputy set at 25% of the President allowance. The total expense for council being $12,500 for 2021/2022. Should council endorse the increased maximum Band 4 allowance this would increase the total expense to $25,706.25; more than doubling the effect on the 2022/2023 annual budget expense. With the current economic

climate it would be prudent to maintain allowances at a reasonable increase therefore with the 3.5% increase to meeting attendance allowance it is the staff recommendation to maintain the status quo for the President & Deputy President allowances.

7.2 ANNUAL ALLOWANCE FOR A MAYOR, PRESIDENT OR CHAIR

The ranges of allowances in Table 10 apply where a local government sets the amount of the annual local government allowance to which a mayor or president is entitled under section 5.98(5) of the LG Act.

The range of allowances in Table 11 apply where a regional local government sets the amount of the annual local government allowance to which a chair is entitled under section 5.98(5) of the LG Act.

Despite the provisions of subsection (1), the Perth City Council is to set the amount of the annual local government allowance to which the Lord Mayor is entitled within the range of $61,509 to $137,268.

Table 10: Annual allowance for a mayor or president of a local government

For a mayor or president

Band	*Minimum*	*Maximum*
1	*$52,539*	*$91,997*
2	*$15,761*	*$64,938*
3	*$1,051*	*$37,881*
4	*$526*	*$20,565*

7.3 ANNUAL ALLOWANCE FOR A DEPUTY MAYOR, DEPUTY PRESIDENT OR DEPUTY CHAIR

The percentage determined for the purposes of section 5.98A(1) of the LG Act is 25 per cent.

If the office of mayor or president is vacant under section 5.34(a) of the Local Government Act 1995, and the deputy performs the functions of mayor or president for a period of no less than four months, the deputy will be entitled to receive the mayor or president allowance according to the applicable local government band in 7.2 of the Determination.

STATUTORY ENVIRONMENT

Local Government Act 1995 – Sections 5.98, 5.98A, 5.99 & 5.99A

Salaries and Allowances Act 1975

POLICY/PROCEDURE IMPLICATIONS

There are no policy implications.

FINANCIAL IMPLICATIONS

The 2022/2023 Draft Budget allocations will be set as per the Council Resolution; however, these can be altered either at this meeting or the meeting when Council considers adopting the 2022/2023 Annual Budget

Long Term Financial Plan (LTFP):

No significant effect on the LTFP as funds are budgeted annually to cover these costs.

STRATEGIC IMPLICATIONS

It is important Elected Members are remunerated for their contribution to local government.

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
5.1	Ensure governance and administration systems, policies and processes are current and relevant	Review policy categories and set ongoing accountability for review processes	Review current Council and Management policies and formalise update process and timelines.

CONSULTATION

Not applicable

RISK ASSESSMENT

Council budget for the funds to accommodate the current level of Elected Members Allowances annually therefore the Risk rating is considered Minor.

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response
Minor (2)	First aid injuries	$1,001 - $10,000	Short term temporary interruption – backlog cleared < 1 day	Some temporary non compliances	Substantiated, low impact, low news item	Localised damage rectified by routine internal procedures	Contained, reversible impact managed by internal response

VOTING REQUIREMENTS

Absolute Majority

STAFF RECOMMENDATION

1. Council approves the following Elected Members allowances for the 2022/2023 Draft Budget:

	Annual Attendance fees in lieu of Council meeting fees	Annual Allowance (President)	Annual Allowance (Deputy President) - 25% of President	Annual Communication Allowance	Annual Travel Allowance
President	Maximum set by WASAT	$10,000		$500	$50
Deputy President		NA	$2,500	$500	$50
Other Elected Members		NA	NA	$500	$50

2. That payments be made six-monthly in arrears (i.e. December and June)

10.2.3 Proposed Differential Rates 2022/2023

PROPONENT:	**Shire of Chapman Valley**

SITE:	**Shire of Chapman Valley**
FILE REFERENCE:	**306.08**
PREVIOUS REFERENCE:	**Nil**
DATE:	**16 June 2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.3(a)	Differential Rate Model		✓
10.2.3(b)	Objects and Reasons for Differential Rate		✓
10.2.3(c)	Local Public Notice		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

The ability to raise local government property rates is set out under the Local government Act 1995. Sections 6.33 and 6.34 of the Local Government Act 1995 allow local governments to impose differential rates and minimum payment. Section 6.36 requires local governments to give notice of certain rates before imposing. Council must consider the current Strategic Community Plan which communicates the vision for the Shire; the Corporate Business Plan describing how the vision will be achieved over the next four years along with the Long Term Financial Plan for the next ten years. Information from all the informing documents forms part of the annual budget process. A significant component of the Shire's budget revenue is derived from property rates with the purpose of levying rates being to meet the budget requirement in order to deliver services and projects each financial year.

The Shire can apply a uniform rate or a differential rate for each of the valuation categories; it is the rate in the dollar imposed which determines whether there is a differential rate category. Local Governments under Section 6.33 of the Local Government Act 1995 have the power to implement differential rating in order to take into account certain characteristics of the rateable land. These characteristics include:

- The purpose for which the land is zoned under the town planning scheme in force;
- The predominant use for which the land is held or used as determined by the local government; and
- Whether or not the land is vacant.

Differential rates may be applied according to any, or a combination of the above characteristics. However, local governments are constrained in the range of differential rates for which they may impose. That is, a local government may not impose a differential rate which is more than twice the lowest differential rate applied by that local government unless approval from the Minister is sought.

Before imposing a differential rate, a local government must provide local public notice a copy of which is supplied under separate cover 10.2.2(c) of its intention to do so and consider any resultant submissions. Section 6.36(3)(c) of the Local Government Act requires preparation of a document describing the objects of, and the reason for, each differential rate and minimum to be available for public inspection and for public submissions to be called and considered before imposing a differential rate a copy of which is supplied under separate cover 10.2.2(b).

Historically the Shire of Chapman Valley has imposed a different rate for the Unimproved Valued land contained in the Special Control Area of the Shire of Chapman Valley Town Planning Scheme set aside for the purpose of strategic industry and deep-water port known as the Oakajee Industrial Estate and buffer areas.

COMMENT

The purpose of this report is to determine whether council wish to continue with this rating methodology for the preparation of the draft 2022/2023 Annual Budget. The objective of the proposed differential rate is to ensure there is consistency with the previous year. The Gross Rental Valuation has not increased as the valuations have an effective date of 1 July 2019 and will remain so until the next revaluation (set for 2024). The Unimproved Value properties have an annual revaluation process which to date has not been received. This report has utilised the current values as at May 2022 to determine the total rates revenue per differential rate type. This was based on the 4% increase on the 2021/2022 differential rate in the dollar and minimum rates set as per 2021/2022 budget adoption.

The objective of the differential rate on Oakajee Industrial Estate properties is to recover from this sector an equitable share of the rates relating to the land held by Landcorp whereby the Shire of Chapman Valley should not be financially disadvantaged due to the acquisition and subsequent development of the land. In order to reduce the impact of the Oakajee development on ratepayers Council previously sought to introduce a differential rate. The annual revaluation review of all Unimproved Valuations from Landgate Valuation Services has not been received for processing.

The UV Oakajee Industrial Estate Buffer Zone category includes any property zoned Oakajee Industrial Estate and Buffer within Town Planning Scheme No.1. A rate in the dollar of 2.1800 cents on Unimproved Values with a minimum of $400 is proposed which is a 4% increase to rate revenue from 2021/2022 and affects two (2) rateable assessments.

The balance of the unimproved value rating area is the UV Rural General Rate defined as:

Any other property in the Shire of Chapman Valley zoned Rural within the Shire of Chapman Valley Town Planning Scheme. A rate in the dollar of 1.1336 cents on Unimproved Values with a minimum of $400 is proposed which is a 4% increase to rate revenue from 2021/2022.

The advertising of a differential rate does not bind a local government to use the rate in the dollar at the time of adopting its' budget. The prime purpose of the advertisement is the opportunity for the public to prepare submissions on the existence of the differential rate and its indicative level. If a differential general rate or minimum payment differs from the proposed rate the reasons are required to be disclosed in the relevant budget and rate notice information.

A Differential Rate Model is attached under separate cover 10.2.3(a) for the proposed differential rate revenue is indicative only without the input of the new valuations yet to be supplied by Landgate Valuation Services.

It should also be noted the current COVID-19 Rates Financial Hardship policy will be reviewed for possible continuation for a period during 2022/2023 given the State of Emergency declaration remains current at the time of writing this report. It is recommended that Council adopt the rating strategy as outlined in the Report and give public notice in accordance with s6.36 of the Local Government Act 1995 of the Differential Rates proposed for 2022/2023.

STATUTORY ENVIRONMENT

Local Government Act 1995

- *S.6.32 States that a local government, in order to make up the budget deficiency, is to impose a general rate on rateable land that may be imposed uniformly or differentially.*
- *S6.33 (1)Provides that a local government may impose differential rates based upon characteristic of zoning, predominant land use, whether or not the land is vacant.*
- *S6.34 States that a local government cannot without the approval of the Minister yield a general rate that exceeds 100% of the budget deficiency or less than 90% of the budget deficiency.*

- *S6.35 States that a local government may impose on any rateable land in its district a minimum payment which is greater than the general rate which would otherwise be payable on that land.*
- *S6.35(4) States that a minimum payment is not to be imposed on more that the prescribed percentage of a) the number of separately rated properties in the district; or b) the number of properties in each category.*
- *FMR 5 s.52 States that the percentage prescribed for the purposes of s6.35 (4) is 50%.*
- *S6.36(1) States that before imposing any differential general rates or a minimum payment applying to a differential rate category under section 6.35(6)(c) a local government is to give local public notice of its intention to do so*
- *S6.36(2) States that a local government is required to ensure that a notice referred to in subsection (1) is published in sufficient time to allow compliance with the requirements specified in this section and section 6.2(1).*
- *S6.36(3) States that a notice referred to in subsection (1) —*

  (a) may be published within the period of 2 months preceding the commencement of the financial year to which the proposed rates are to apply on the basis of the local government's estimate of the budget deficiency;

  (b) is to contain —

  (i) details of each rate or minimum payment the local government intends to impose;

  (ii) an invitation for submissions to be made by an elector or a ratepayer in respect of the proposed rate or minimum payment and any related matters within 21 days (or such longer period as is specified in the notice) of the notice; and

  (iii) any further information in relation to the matters specified in subparagraphs (i) and (ii) which may be prescribed;

  and

  (c) is to advise electors and ratepayers of the time and place where a document describing the objects of, and reasons for, each proposed rate and minimum payment may be inspected.
- *S6.36(4) States that a local government is required to consider any submissions received before imposing the proposed rate or minimum payment with or without modification.*

POLICY/PROCEDURE IMPLICATIONS

There are no policy implications

FINANCIAL IMPLICATIONS

2022/2023 Annual Draft Budget

Long Term Financial Plan (LTFP):

Section 6.2(2) of the Local Government Act requires council in formulating the budget, to have regard to the contents of the plan for the future of the district. The proposed 4% rate revenue increase using differential rating remains consistent with the Long Term Financial Plan (LTFP) endorsed at the February 2022 Ordinary Meeting of Council.

STRATEGIC IMPLICATIONS

The recommended proposed Differential Rate Model is consistent with the LTFP and regard should be given to a prudent and responsible budget to continue providing services into the future.

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
5.1	Ensure governance and administration systems, policies and processes are current and relevant	Review policy categories and set ongoing accountability for review processes	Review current Council and Management policies and formalise update process and timelines.

CONSULTATION

Not applicable

RISK ASSESSMENT

Associated risk would be a failure to comply with the Local Government Act 1995 and relevant Financial Management Regulations requiring local governments to advertise their intent to levy differential rates prior to setting the annual budget. This would be a Minor (2) rating with some temporary noncompliance.

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response
Minor (2)	First aid injuries	$1,001 - $10,000	Short term temporary interruption – backlog cleared < 1 day	Some temporary non compliances	Substantiated, low impact, low news item	Localised damage rectified by routine internal procedures	Contained, reversible impact managed by internal response

VOTING REQUIREMENTS

Simple Majority

STAFF RECOMMENDATION

That Council:

1. Provides 21 days local public notice, as required by s6.36 (1) of the Local Government Act 1995, of its intention to impose differential rates for the 2022/2023 financial year as listed below.

2. Agrees to staff using the following rates in the dollar and minimum rates as the basis for the preparation of the 2022/2023 Draft Annual Budget.

Differential Rating Category	Rate in $	Minimum Rate

UV Rural	1.1336	$	400.00
UV Oakajee Industrial Estate	2.1800	$	400.00
GRV	9.8088	$	700.00

10.2.4 2022/2023 Proposed Fees and Charges

PROPONENT:	**Shire of Chapman Valley**
SITE:	**Shire of Chapman Valley**
FILE REFERENCE:	
PREVIOUS REFERENCE:	**Nil**
DATE:	**16 June 2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.4(a)	Proposed Schedule of Fees and Charges 2022-2023		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

As part of the function of local government and its operations, each year the Council is required, under Section 6.2 of the Local Government Act 1995, to formally adopt its annual financial year budget, to enable the administration to carry out the defined services and programs and to raise revenue through rates and fees and charges. In preparation for the compilation of the 2022/2023 Annual Budget the Proposed Schedule of Fees and Charges for 2022/2023 is attached for review and approval to list in the 2022/2023 Draft Budget.

COMMENT

A considerable number of Council's fees and charges are set by legislation and as such remain the same as last year until various agencies advise of changes. These generally include fees and charges associated with Planning, Building and Health regulations.

Current Consumer Price Index (CPI)

The Australian Bureau of Statistics recently released the CPI figures for the March quarter. The All-Groups CPI (weighted average of the eight capital cities) for the March quarter 2021 to March quarter 2022 is 5.1%. CPI for Perth for the March quarter 2021 to March quarter 2022 is 7.6%, recording the largest annual CPI rise of all Australian capital cities

Extract from the WALGA Economic Briefing statement estimates costs for Local Governments will continue to rise at a fast pace. Construction costs are increasing at a speed similar to that experienced during the mining boom. WALGA forecasts the Local Government Cost Index (LGCI) to increase 5.7% as supply constraints in materials and labour continue to place upwards pressure on prices. Demand too remains high as Government stimulus continues to wash through the economy. The rate of growth in Local Government costs is expected to slow to 2023/24 although this is dependent on how quickly the supply constraints are resolved, the impact of opening the borders has on labour supply and the influence of global pressures.

A summary of the recent years collections and forecast for 2022/2023 is listed below:

Year	Actuals	Percentage Increase/Decrease
2018/2019	304,058	2%
2019/2020	293,356	-4%
2020/2021	353,276	20%
2021/2022 (Actual YTD)	*326,868*	-7%
2022/2023 (Forecast)	*331,505*	1.3%

The draft 2022/2023 Proposed Schedule of Fees & Charges, listed under separate attachment at *10.2.4 (a) (*Proposed Schedule of Fees and Charges 2022-2023*)* are based on very minor change to the 2021/2022 endorsed fees and charges and in line with the Long-Term Financial Plan assumptions of a total revenue increase of 1.35%. It is prudent local government find a balance between cost recovery of providing services and facilities without unnecessary impact on the community. Continual increase costs in cleaning, power, water, and general maintenance however adds to budget pressures. It is important therefore to keep this to the forefront of mind when receiving submissions for waiving fees and charges. Cost recovery of outgoing expenses need to be considered.

STATUTORY ENVIRONMENT

Section 6.16 is the primary piece of legislation under the Local Government Act 1995 that requires fees and charges to be reviewed and adopted as part of the budget process.

6.16. Imposition of fees and charges

(1) A local government may impose* and recover a fee or charge for any goods or service it provides or proposes to provide, other than a service for which a service charge is imposed.

** Absolute majority required.*

(2) A fee or charge may be imposed for the following —

(a) providing the use of, or allowing admission to, any property or facility wholly or partly owned, controlled, managed or maintained by the local government;

(b) supplying a service or carrying out work at the request of a person;

(c) subject to section 5.94, providing information from local government records;

(d) receiving an application for approval, granting an approval, making an inspection and issuing a license, permit, authorisation or certificate;

(e) supplying goods;

(f) such other service as may be prescribed.

(3) Fees and charges are to be imposed when adopting the annual budget but may be —

(a) imposed* during a financial year; and

(b) amended* from time to time during a financial year.

** Absolute majority required.*

6.17. Setting the level of fees and charges

(1) In determining the amount of a fee or charge for a service or for goods a local government is required to take into consideration the following factors —

(a) the cost to the local government of providing the service or goods;

(b) the importance of the service or goods to the community; and

(c) the price at which the service or goods could be provided by an alternative provider.

(2) A higher fee or charge or additional fee or charge may be imposed for an expedited service or supply of goods if it is requested that the service or goods be provided urgently.

(3) The basis for determining a fee or charge is not to be limited to the cost of providing the service or goods other than a service —

(a) under section 5.96;

(b) under section 6.16(2)(d); or

(c) prescribed under section 6.16(2)(f), where the regulation prescribing the service also specifies that such a limit is to apply to the fee or charge for the service.

(4) Regulations may —

(a) prohibit the imposition of a fee or charge in prescribed circumstances; or

(b) limit the amount of a fee or charge in prescribed circumstances.

6.18. Effect of other written laws

(1) If the amount of a fee or charge for a service or for goods is determined under another written law a local government may not —

(a) determine an amount that is inconsistent with the amount determined under the other written law; or

(b) charge a fee or charge in addition to the amount determined by or under the other written law.

(2) A local government is not to impose a fee or charge for a service or goods under this Act if the imposition of a fee or charge for the service or goods is prohibited under another written law.

6.19. Local government to give notice of fees and charges

If a local government wishes to impose any fees or charges under this Subdivision after the annual budget has been adopted it must, before introducing the fees or charges, give local public notice of —

(a) its intention to do so; and

(b) the date from which it is proposed the fees or charges will be imposed.

POLICY/PROCEDURE IMPLICATIONS

Shire of Chapman Valley 2022/2023 Draft Budget.

FINANCIAL IMPLICATIONS

Shire of Chapman Valley 2022/2023 Schedule of Fees and Charges

Long Term Financial Plan (LTFP):

The effect on the Long-Term Financial Plan will be seen in the ratios for own source revenue when this updated after budget adoption; the current endorsed variable for fees and charges is a 1.35% increase to revenue.

STRATEGIC IMPLICATIONS

Nil

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
5.2	Be accountable and transparent in managing resources	Long Term Financial Management	Review Long Tern Financial Plan regularly and maintain integration with other Strategic Plans within the Shire
5.3	Make informed decisions within resources and areas of responsibility	Council and Shire process formally incorporate integrated plans as references for decision making	Reference Strategic Community Plan, Corporate Business Plan, Asset Management Plan, Long Term Financial Plan and Workforce Plan regularly as part of decision-making process

CONSULTATION

Input has been sought from all key members of staff.

RISK ASSESSMENT

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response

The associated risk would be the failure to comply with Local Government Financial Management

Regulations.

VOTING REQUIREMENTS

Absolute Majority

STAFF RECOMMENDATION

The proposed 2022/2023 Draft Fees and Charges as presented to Council be endorsed and included into the 2022/2023 Annual Budget in accordance with the requirements of the Local Government Act, 1995.

10.2.5 For a Better Chapman Valley (FABCV) – Fee Waiver Application

PROPONENT:	**Shire of Chapman Valley**

SITE:	**Whole of Shire of Chapman Valley**
FILE REFERENCE:	**205.02.10**
PREVIOUS REFERENCE:	**Minute Ref 11/20-07 & 07/21-04**
DATE:	**16.06.2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.5(a)	FABCV Waiver of Fees & Charges Application		✓
10.2.5(b)	FABCV Community Enhancement Donations & Sponsorship Application		✓
10.2.5(c)	Community Growth Fund Advisory Group Unconfirmed Minutes		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

An application has been received from the community group For A Better Chapman Valley (FABCV) *(see **Attachment 10.2.5(a)**)* requesting financial assistance by the waiver of fees/charges and bond for the following venues:

- Nabawa Community Centre;
- Yuna Community Centre; and
- Bill Hemsley Park Community Centre

The application list various dates for the use of the venues and approximately ten meetings and a further uses for community events throughout the year i.e.

- Ten (10) FABCV Meeting per annum; and
- Ten (10+) Community Events

Council has already resolved to assist FABCV at the **November 2020 and July 2021 Ordinary Council Meetings**

MOVED: Cr. Batten *SECONDED: Cr. Davidson*

1. *Waive fees and charges for the venue hire of Nabawa Community Centre for 2020/2021*
2. *Waive the bond fee required for the venue hire of Nabawa Community Centre for 2020/2021*
3. *Cover agreed Public and Associations Liability, as well as Volunteer Insurance for the first year of FABCV operation as determined by the CEO.*

4. *Investigate annual online meeting platform subscription for Chapman Valley not for profit organisations to utilise, including FABCV to bring back to council for further consideration.*

Voting F6/A0

CARRIED

Minute Reference: 11/20-07

MOVED: Cr. Forth *SECONDED: Cr. Davidson*

COUNCIL RESOLUTION/STAFF RECOMMENDATION

Council advise For A Better Chapman Valley (FABCV) of the following regarding their application to waiver fees, charges and bond relevant to the hire of the Nabawa, Yuna & Bill Hemsley Park Community Centres for the 2021/2022 financial year only:

1. *Full waiver of fees, charges and bond for all venues, as requested, is not agreed to;*
2. *An annual fee equivalent to the hire of one venue, as set by the Shire's adopted annual budget, is to be paid, yet all three venues can be used for a combined maximum of twelve meetings/events held at all venues. Any use in excess of the twelve events per annum will incur the budgeted one-off local community event hire fee;*
3. *The full bond equivalent to the hire of one venue, as set by the Shires adopted budget is to be paid, yet the bond will be relevant to all three venues used.*

Voting F6/A0

CARRIED

Minute Reference: 07/21-04

COMMENT

An application was received from FABCV for the 2022/2023 Community Growth Fund (CGF) application process for funds of $2,000. At the April 2022 OCM Council received the Community Growth Fund Advisory Group minutes - ***refer 10.2.5 (c)*** and endorsed three projects for 2022/2023 budget consideration, not including the FABCV Winter Arts Series. Subsequently FABCV submitted an application through the Community Enhancement Donations & Sponsorship process for Event Sponsorship, of this project which has been approved through CEO Delegations for $2,000 (Tier Two **) refer 10.2.5 (b)**

CMP-065 Community Enhancement Donations & Sponsorships

MANAGEMENT PROCEDURE No.	CMP-065
MANAGEMENT PROCEDURE	COMMUNITY ENHANCEMENT DONATIONS & SPONSORSHIPS
RESPONSIBLE OFFICER	CHIEF EXECUTIVE OFFICER
PREVIOUS POLICY No.	N/A
RELEVANT DELEGATIONS	3005

Tiers of funding

The minimum funding request is $100. The maximum funding request is $5,000.

- *Tier One, funding of $100-$1,000 can be dealt with by the CEO under Delegation 3005;*
- *Tier Two, funding of $1,001-$2,500 can be dealt with by the CEO in consultation with the Tourism & Events Advisory Group under Delegation 3005; and*
- *Tier Three, funding of $2,501-$5,000 will require presentation to Council for consideration*

Financial assistance is already being given in the way of event sponsorship, noting the previous two years venue hire waivers and hire reductions it is difficult to continue allowing multiple venue use without a fee or charge. Costs for the Shire have increased for cleaning, supplies and maintaining facilities and although cost recovery is unlikely achievable some consideration must be given. Therefore the staff recommendation is based on a similar charge to last year of an annual venue hire and one off bond for use of all three venues with a maximum number set.

STATUTORY ENVIRONMENT

Council has legal process to follow regarding wavering fees and charges: All waiver of Fees & Charges is to be reported in the Annual Financial Report.

Local Government Act, 1995 – Section 6.12 – Power to Defer, Grant Discount, Waive or Write off Debts

(1) Subject to subsection (2) and any other written law, a local government may —

(a) when adopting the annual budget, grant a discount or other incentive for the early payment of any amount of money; or*

***(b) waive or grant concessions in relation to any amount of money**; or*

(c) write off any amount of money,

which is owed to the local government.

** Absolute majority required.*

(2) Subsection (1)(a) and (b) do not apply to an amount of money owing in respect of rates and service charges.

(3) The grant of a concession under subsection (1)(b) may be subject to any conditions determined by the local government.

(4) Regulations may prescribe circumstances in which a local government is not to exercise a power under subsection (1) or regulate the exercise of that power.

POLICY/PROCEDURE IMPLICATIONS

Corporate Management Procedure CMP-064 specifies conditions and guidelines for financial assistance to community organisations and individuals in the local community.

CMP-064 Financial Assistance

MANAGEMENT PROCEDURE No.	CMP-064
MANAGEMENT PROCEDURE	FINANCIAL ASSISTANCE
RESPONSIBLE OFFICER	CHIEF EXECUTIVE OFFICER

PREVIOUS POLICY No.	NA
RELEVANT DELEGATIONS	3008

OBJECTIVES:

To set the categories, type and amount of Financial Assistance that shall be provided by the Shire to Community Organisations and individuals in the local community. To provide guidelines for the application, assessment and determination of requests received for financial assistance and to ensure expenditure of all funds are appropriately accounted for and reported on.

MANAGEMENT PROCEDURE STATEMENT/S:

This Procedure provides an overarching framework for the Shire of Chapman Valley to provide Financial Assistance to Community Organisations and individuals within our local Community to enhance community values and aspirations.

In determining the requests for Waiver of Fees and Charges under this Procedure, the approval is governed by the Delegation No 3008 Write Off Debts.

Delegation No 3008 Write Off debts

The exercise of powers and the discharge of duties under section 6.12 of the Local Government Act 1995 to waive or grant concessions (excluding rate concessions) and to write off debts not exceeding $1000. In cases where the request for Fee Waivers exceed $1,000 a report needs to be submitted to an Ordinary Council Meeting for Council's consideration and approval.

Strategy

- The Shire receives a number of requests throughout the year for financial assistance from Community Organisations and Individuals. A Procedure for the assessment of the applications ensures:
- Transparency and accountability to the Community;
- Fairness and equity to all applicants;
- Eligibility criteria is applied to each type of Financial Assistance;
- The amount of Financial Assistance available;
- Guidelines are in place to assist applicants in completion and lodgement of forms;
- Applications are assessed by a Delegated Officer;
- Effective reporting mechanisms and administrative procedures advise the Shire of the type and total value of financial assistance provided for the financial year.

Scope

- This Procedure applies to requests for financial assistance towards:
- An activity, event, competition, project or celebration;
- Programs with a charitable or community service oriented purposes;
- Disaster relief funds for humanitarian reasons;

- An organisation's development;
- Provision of services and maintenance of facilities within the Shire;
- The establishment of new facilities or improvements to existing facilities of a capital nature.

Each application for financial assistance is considered on its individual merits. The Shire of Chapman Valley reserves the right to determine eligibility for financial assistance based on information provided in the application.

Recipients of support will be asked to assess their performance in line with this Procedure and requirements set out in Shire Corporate Management Procedures CMP-065 Donations, CMP-066 Waiver of Fees & Charges, CMP-067 Community Growth Fund Grants and CMP 068 Self Supporting Loans.

Failure to satisfactorily complete the performance valuation requirements may disqualify recipients from future funding assistance from the Shire and or require the funds to be returned.

Implications

The implementation of this Procedure is supported by funds allocated through the Shire's annual budget of each financial year. The Shire has demonstrated a long-term commitment to the provision of financial assistance to eligible Community Organisations who operate as a not-for-profit organisation and individual Community members chosen to represent the shire.

Acquittal of Funding

Recipients of financial assistance for the categories of Community Development Grants, Shire Contributions and Interest Free Loans must complete an acquittal process, including provision of requested supporting information, within one (1) month of the completion of the projects, or by the date detailed in the guidelines.

Funding acquittal requirements applicable to the Financial Assistance category will be detailed in the category guidelines and may incorporate:

- A completed Acquittal Form (if applicable);
- Copies of all relevant invoices and receipts;
- Copies of promotional materials and/or other supporting information to show how the Shires funding was acknowledged.

Failure to fully complete and lodge the required acquittal will result in a demand for the return of the funds, and will result in ineligibility for future funding rounds. Until all existing grants or funds are acquitted the organisation is not eligible to apply for an additional grant or funding from the Shire.

An organisation that cannot demonstrate that funds have been expended in accordance with the purpose for which the funds were granted, will be required to return the funds to the Shire within six months of the proposed completion date, and will be subject to an ineligibility period for future grants if funds are judged to have been misused.

Table 1 Financial Assistance Categories

Please note that each category of financial assistance must meet specific eligibility criteria which are provided in the Guidelines accompanying the application form.

TYPE OF FINANCIAL ASSISTANCE	AMOUNT OF ASSISTANCE	DETERMINATION
Sponsorship	$200 per School, Association or Club per annum	Chief Executive Officer
Donation	Maximum of $200	Chief Executive Officer
Waiver of Fees and Charges	A maximum of 50% of the applicable fees & charges	$1,000 or less – Chief Executive Officer Over $1,000 – Council
Community Development Fund Grants	As determined by CGF Guidelines	Committee Recommendation to Council for decision
Council Contribution	Council consideration	Council
Interest Free Loan	Maximum of $20,000	Council
Self-Supporting Loans	Council consideration	Council

Dispute Resolution

All disputes in regard to this Procedure will be handled according to the Shire's Complaint Handling Procedures

Application

Responsibility for the implementation of this Procedure rests with the Chief Executive Officer. The Procedure is to be reviewed as part of Council periodical review of all Policies & Procedures.

LEGISLATION	
LGA s5.42 Delegation of some powers and duties to CEO	A local government may delegate* to the CEO the exercise of any of its powers or the discharge of any of its duties under this Act other than those referred to in section 5.43 *Absolute majority required

	A delegation under this section is to be in writing and may be general or as otherwise provided in the instrument of delegation
LGA s6.12 Power to defer, grant discounts, waive or write off debts	Subject to subsection (2) and any other written law, a local government may – When adopting the annual budget, grant* a discount or other incentive for the early payment of any amount of money Waive or grant concessions in relation to any amount of money; or Write off any amount of money, which is owed to the local government. *Absolute majority required Subsection (1) (a) and (b) do not apply to an amount of money owing in respect of rates and service charges The grant of a concession under subsection (1) (b) may be subject to any conditions determined by the local government Regulations may prescribe circumstances in which a local government is not to exercise a power under subsection (1) or regulate the exercise of that power

DEFINITIONS	
Charitable Organisation	Is a not-for-profit organisation that has a charitable purpose for the sole benefit of the public (e.g. religious groups, aged care homes, homeless shelters, disability services, universities and colleges, animal welfare societies and artistic or cultural groups).
Community Organisation	A group of people that come together to pursue a common cause or interest for the benefit of the Community and may include an Association, Centre, Club, Committee, Group, Incorporated Body or Society.
Council Contribution	An amount of money given to Community Organisations by the Shire in return for acknowledgement of assistance in the operation of Shire facilities.
Donation	A gift given by the Shire, typically for charitable purposes and/or to benefit a cause. A Donation may take various forms, including cash offering, services, new or used goods. It may also consist of emergency, relief or humanitarian aid items.
Fee and Charge	Is a set monetary amount levied by the Shire for the use of Shire owned facilities and resources or the staging of a particular event or activity as adopted by Council.

Grant	Contribution, gift, or subsidy (in cash or kind) bestowed by the Shire (grantor) for specified purposes to an eligible recipient (grantee). Grants are usually conditional upon certain qualifications as to the use, maintenance of specified standards, or a proportional contribution by the grantee or other grantor(s).
In Kind Support	In-kind support can be defined as: Monies / financial assistance which is not a loan, and does not need to be paid back; Administration support; Equipment support; Infrastructure support; Venue hire; Office supplies support; Fees and charges for Icon Events.
Interest Free Loan	Means of borrowing where no interest is charged on repayment to the Shire.
Not-for-Profit Organisation	An organisation that is not operating for the profit or gain of its individual members, whether these gains would have been direct or indirect whilst in operation.
Self-Supporting Loans	Means of borrowing where loans are repaid to Shire (See CMP-068)
Schools	Primary or Secondary educational institutions.
Shire Facility	Means all Shire owned and operated facilities and reserves across the Shire that are included as available for hire or use in the Shire's Annual Schedule of Fees and Charges as adopted by Council.
Sponsorship	A cash and/or in-kind fee paid to a person, organisation or group (typically in sports, arts or entertainment) in return for acknowledgement and recognition of the Shire during the Activity or Event.
Legislation	Local Government Act 1995

ADDITIONAL EXPLANATORY NOTES:

Corporate Management Procedures CMP-065 Donations, CMP-066 Waiver of Fees & Charges and CMP-067 Community Growth Fund Grants.

ADOPTED/REVIEWED/AMENDED (OTHER THAN ANNUAL REVIEW OF ALL PROCEDURES:

Adopted – Council Resolution:	

Reviewed/Amended – Council Resolution:	**05/15-23; 06/15-18; 03/17-32**

FINANCIAL IMPLICATIONS

The Proposed Draft Budget Fees & Charges for the 2022/2023 sets the amount of $50 per use (GST Inclusive) for venue hire of Nabawa Community Centre Local Community Member and the option for Annual Booking Fee of $586, which allows for 2 uses per week only. There has been an allowance made at other venues to annualise the 2 uses per week to provide some flexibility.

The Fees & Charges also have Bonds applicable for the requested hire use - All Venues Bond $530 (events without Liquor License) and $700 (events with liquor). All Venues Bond – Long Term Key Bond $50.

The revenue loss to Council based upon the Annual Fee for all three venues requested is $1,758 (i.e. 3 x $586 annual fee). The Bond of $530 or $700 per would also not be held by the Shire in the event of damage, loss, uncleanliness, etc. resulting is the Shire carrying this risk.

In the situation of the FABV opting for the one-off hire fee of $50 per event/function for the twenty hire events being requested would equate to $1,000 across all three venues. Again the non-payment of Bond remains relevant.

Long Term Financial Plan (LTFP):

No significant effect on LTFP

STRATEGIC IMPLICATIONS

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
1.1	Nurture the sense of community	Determine a whole of Shire community integration approach	Advocate a sense of community when opportunity arises.

CONSULTATION

The only consultation has been by the FABCV Application for waiver.

RISK ASSESSMENT

As set out in the Risk Management Governance Framework Procedures there are appropriate processes and internal controls for the management of this type of operational risk. The actual impact on total revenue and expenditure would be deemed ***Minor.***

Measures of Consequence							
Rating (Level)	**Health**	**Financial Impact**	**Service Interruption**	**Compliance**	**Reputational**	**Property**	**Environment**
Minor (2)	**First aid injuries**	**$1,001 - $10,000**	**Short term temporary interruption – backlog cleared < 1 day**	**Some temporary non compliances**	**Substantiated, low impact, low news item**	**Localised damage rectified by routine internal procedures**	**Contained, reversible impact managed by internal response**

VOTING REQUIREMENTS

Absolute Majority

STAFF RECOMMENDATION

Council advise For A Better Chapman Valley (FABCV) of the following regarding their application to waiver fees, charges and bond relevant to the hire of the Nabawa, Yuna & Bill Hemsley park Community Centres for the 2022/2023 financial year only:

4. Full waiver of fees, charges and bond for all venues, as requested, is not agreed to;
5. An annual fee equivalent to the hire of one venue, as set by the Shire's adopted annual budget, is to be paid, yet all three venues can be used for a combined maximum of twelve meetings/events held at all venues. Any use in excess of the twelve events per annum will incur the budgeted one-off local community event hire fee;
6. The full bond equivalent to the hire of one venue, as set by the Shires adopted budget is to be paid, yet the bond will be relevant to all three venues used.

10.2.6 Yuna CWA Waiver of Fees & Charges Application

PROPONENT:	**Shire of Chapman Valley**
SITE:	**Whole of Shire of Chapman Valley**
FILE REFERENCE:	**801.00**
PREVIOUS REFERENCE:	**Nil**
DATE:	**16.06.2022**
AUTHOR:	**Dianne Raymond, Manager Finance & Corporate Services**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.2.6(a)	Yuna CWA Waiver of Fees & Charges Application		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

An application has been made by Yuna CWA President Susanne Warr seeking exemption from venue hire fees and charges (and bond) for the 90th Celebration of Yuna CWA to be held at the Yuna Hall Monday 19th September 2022 refer to correspondence received 27 May 2022 at 10.2.6(a).

COMMENT

Yuna Memorial Hall is not a well utilised building within the Shire asset group with activation of the Yuna Memorial Hall being part of Council discussions in recent years. The Shire facilitated a community consultation period during July, August and September 2017 to gather information about the ideas, opinions, options and recommendations of the community and key stakeholders about the future use, management and maintenance for the Hall which at the time was well attended.. Outcomes from this were a council resolution in 2019 as below:

Council maintain the Yuna Memorial Hall in its current condition, maintain current use and add future uses identified and approved by Council including yet not necessarily limited to:

1. External lights to be changed to sensors, external power points to be covered/locked to restrict current free usage;

2. Honour Box to be installed (if not completed in 2018/2019) to collect camping fees;

3. Tourism and Events Working Group to consider elements associated with Yuna playground site; and

Creating A Better Yuna, Chapman Valley Historical Society and Community Development Officer to work together to draft local historical information for promotion at the Hall

Voting 5/0

CARRIED

Minute Reference: 05/19-10

Yuna CWA President Susanne Warr has given a commitment to cleaning of the building for the 90th Celebration of Yuna CWA event. This in itself would be beneficial to the shire with limited resources to maintain aging facilities. As there is not the venue hire demand on this date it would not be an impost to waive the fees and charges payable in exchange for cleaning of the venue. Loss of revenue is minimal with hire fee being $50.00 for a local community member for this venue.

STATUTORY ENVIRONMENT

Council has legal process to follow regarding wavering fees and charges: All waiver of Fees & Charges is to be reported in the Annual Financial Report.

Local Government Act, 1995 – Section 6.12 – Power to Defer, Grant Discount, Waive or Write off Debts

(1) Subject to subsection (2) and any other written law, a local government may —

(a) when adopting the annual budget, grant a discount or other incentive for the early payment of any amount of money; or*

***(b) waive or grant concessions in relation to any amount of money**; or*

(c) write off any amount of money,

which is owed to the local government.

** Absolute majority required.*

(2) Subsection (1)(a) and (b) do not apply to an amount of money owing in respect of rates and service charges.

(3) The grant of a concession under subsection (1)(b) may be subject to any conditions determined by the local government.

(4) Regulations may prescribe circumstances in which a local government is not to exercise a power under subsection (1) or regulate the exercise of that power.

POLICY/PROCEDURE IMPLICATIONS

Corporate Management Procedure CMP-064 specifies conditions and guidelines for financial assistance to community organisations and individuals in the local community.

CMP-064 Financial Assistance

MANAGEMENT PROCEDURE No.	CMP-064
MANAGEMENT PROCEDURE	FINANCIAL ASSISTANCE
RESPONSIBLE OFFICER	CHIEF EXECUTIVE OFFICER
PREVIOUS POLICY No.	NA
RELEVANT DELEGATIONS	3008

OBJECTIVES:

To set the categories, type and amount of Financial Assistance that shall be provided by the Shire to Community Organisations and individuals in the local community. To provide guidelines for the application, assessment and determination of requests received for financial assistance and to ensure expenditure of all funds are appropriately accounted for and reported on.

MANAGEMENT PROCEDURE STATEMENT/S:

This Procedure provides an overarching framework for the Shire of Chapman Valley to provide Financial Assistance to Community Organisations and individuals within our local Community to enhance community values and aspirations.

In determining the requests for Waiver of Fees and Charges under this Procedure, the approval is governed by the Delegation No 3008 Write Off Debts.

> Delegation No 3008 Write Off debts
>
> *The exercise of powers and the discharge of duties under section 6.12 of the Local Government Act 1995 to waive or grant concessions (excluding rate concessions) and to write off debts not exceeding $1000. In cases where the request for Fee Waivers exceed $1,000 a report needs to be submitted to an Ordinary Council Meeting for Council's consideration and approval.*

Strategy

- The Shire receives a number of requests throughout the year for financial assistance from Community Organisations and Individuals. A Procedure for the assessment of the applications ensures:
- Transparency and accountability to the Community;
- Fairness and equity to all applicants;
- Eligibility criteria is applied to each type of Financial Assistance;
- The amount of Financial Assistance available;
- Guidelines are in place to assist applicants in completion and lodgement of forms;
- Applications are assessed by a Delegated Officer;
- Effective reporting mechanisms and administrative procedures advise the Shire of the type and total value of financial assistance provided for the financial year.

Scope

- This Procedure applies to requests for financial assistance towards:
- An activity, event, competition, project or celebration;
- Programs with a charitable or community service oriented purposes;
- Disaster relief funds for humanitarian reasons;
- An organisation's development;
- Provision of services and maintenance of facilities within the Shire;
- The establishment of new facilities or improvements to existing facilities of a capital nature.

Each application for financial assistance is considered on its individual merits. The Shire of Chapman Valley reserves the right to determine eligibility for financial assistance based on information provided in the application.

Recipients of support will be asked to assess their performance in line with this Procedure and requirements set out in Shire Corporate Management Procedures CMP-065 Donations, CMP-066 Waiver of Fees & Charges, CMP-067 Community Growth Fund Grants and CMP 068 Self Supporting Loans.

Failure to satisfactorily complete the performance valuation requirements may disqualify recipients from future funding assistance from the Shire and or require the funds to be returned.

Implications

The implementation of this Procedure is supported by funds allocated through the Shire's annual budget of each financial year. The Shire has demonstrated a long-term commitment to the provision of financial assistance to eligible Community Organisations who operate as a not-for-profit organisation and individual Community members chosen to represent the shire.

Acquittal of Funding

Recipients of financial assistance for the categories of Community Development Grants, Shire Contributions and Interest Free Loans must complete an acquittal process, including provision of requested supporting information, within one (1) month of the completion of the projects, or by the date detailed in the guidelines.

Funding acquittal requirements applicable to the Financial Assistance category will be detailed in the category guidelines and may incorporate:

- A completed Acquittal Form (if applicable);
- Copies of all relevant invoices and receipts;
- Copies of promotional materials and/or other supporting information to show how the Shires funding was acknowledged.

Failure to fully complete and lodge the required acquittal will result in a demand for the return of the funds and will result in ineligibility for future funding rounds. Until all existing grants or funds are acquitted the organisation is not eligible to apply for an additional grant or funding from the Shire.

An organisation that cannot demonstrate that funds have been expended in accordance with the purpose for which the funds were granted, will be required to return the funds to the Shire within six months of the proposed completion date, and will be subject to an ineligibility period for future grants if funds are judged to have been misused.

Table 1 Financial Assistance Categories

Please note that each category of financial assistance must meet specific eligibility criteria which are provided in the Guidelines accompanying the application form.

TYPE OF FINANCIAL ASSISTANCE	AMOUNT OF ASSISTANCE	DETERMINATION
Sponsorship	$200 per School, Association or Club per annum	Chief Executive Officer
Donation	Maximum of $200	Chief Executive Officer
Waiver of Fees and Charges	A maximum of 50% of the applicable fees & charges	$1,000 or less – Chief Executive Officer Over $1,000 – Council
Community Development Fund Grants	As determined by CGF Guidelines	Committee Recommendation to Council for decision
Council Contribution	Council consideration	Council
Interest Free Loan	Maximum of $20,000	Council
Self-Supporting Loans	Council consideration	Council

Dispute Resolution

All disputes in regard to this Procedure will be handled according to the Shire's Complaint Handling Procedures

Application

Responsibility for the implementation of this Procedure rests with the Chief Executive Officer. The Procedure is to be reviewed as part of Council periodical review of all Policies & Procedures.

LEGISLATION	
LGA s5.42 Delegation of some powers and duties to CEO	A local government may delegate* to the CEO the exercise of any of its powers or the discharge of any of its duties under this Act other than those referred to in section 5.43 *Absolute majority required A delegation under this section is to be in writing and may be general or as otherwise provided in the instrument of delegation
LGA s6.12 Power to defer, grant discounts, waive or write off debts	Subject to subsection (2) and any other written law, a local government may – When adopting the annual budget, grant* a discount or other incentive for the early payment of any amount of money

	Waive or grant concessions in relation to any amount of money; or Write off any amount of money, which is owed to the local government. *Absolute majority required Subsection (1) (a) and (b) do not apply to an amount of money owing in respect of rates and service charges The grant of a concession under subsection (1) (b) may be subject to any conditions determined by the local government Regulations may prescribe circumstances in which a local government is not to exercise a power under subsection (1) or regulate the exercise of that power

DEFINITIONS	
Charitable Organisation	Is a not-for-profit organisation that has a charitable purpose for the sole benefit of the public (e.g. religious groups, aged care homes, homeless shelters, disability services, universities and colleges, animal welfare societies and artistic or cultural groups).
Community Organisation	A group of people that come together to pursue a common cause or interest for the benefit of the Community and may include an Association, Centre, Club, Committee, Group, Incorporated Body or Society.
Council Contribution	An amount of money given to Community Organisations by the Shire in return for acknowledgement of assistance in the operation of Shire facilities.
Donation	A gift given by the Shire, typically for charitable purposes and/or to benefit a cause. A Donation may take various forms, including cash offering, services, new or used goods. It may also consist of emergency, relief or humanitarian aid items.
Fee and Charge	Is a set monetary amount levied by the Shire for the use of Shire owned facilities and resources or the staging of a particular event or activity as adopted by Council.
Grant	Contribution, gift, or subsidy (in cash or kind) bestowed by the Shire (grantor) for specified purposes to an eligible recipient (grantee). Grants are usually conditional upon certain qualifications as to the use, maintenance of specified standards, or a proportional contribution by the grantee or other grantor(s).
In Kind Support	In-kind support can be defined as:

	Monies / financial assistance which is not a loan, and does not need to be paid back; Administration support; Equipment support; Infrastructure support; Venue hire; Office supplies support; Fees and charges for Icon Events.
Interest Free Loan	Means of borrowing where no interest is charged on repayment to the Shire.
Not-for-Profit Organisation	An organisation that is not operating for the profit or gain of its individual members, whether these gains would have been direct or indirect whilst in operation.
Self-Supporting Loans	Means of borrowing where loans are repaid to Shire (See CMP-068)
Schools	Primary or Secondary educational institutions.
Shire Facility	Means all Shire owned and operated facilities and reserves across the Shire that are included as available for hire or use in the Shire's Annual Schedule of Fees and Charges as adopted by Council.
Sponsorship	A cash and/or in-kind fee paid to a person, organisation or group (typically in sports, arts or entertainment) in return for acknowledgement and recognition of the Shire during the Activity or Event.
Legislation	Local Government Act 1995

ADDITIONAL EXPLANATORY NOTES:

Corporate Management Procedures CMP-065 Donations, CMP-066 Waiver of Fees & Charges and CMP-067 Community Growth Fund Grants.

ADOPTED/REVIEWED/AMENDED (OTHER THAN ANNUAL REVIEW OF ALL PROCEDURES:

Adopted – Council Resolution:	

Reviewed/Amended – Council Resolution:	**05/15-23; 06/15-18; 03/17-32**

FINANCIAL IMPLICATIONS

The endorsed Fees & Charges for 2021/2022 sets the amount of $50 per use (GST Inclusive) for venue hire of Yuna Memorial Hall by a local community member; as will all venues the option for Annual Booking Fee of $586, which allows for 2 uses per week only.

The Fees & Charges also have Bonds applicable for the requested hire use - All Venues Bond $530 (events without Liquor License) and $700 (events with liquor).

Long Term Financial Plan (LTFP):

No significant effect on LTFP

STRATEGIC IMPLICATIONS

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action
1.1	Nurture the sense of community	Determine a whole of Shire community integration approach	Advocate a sense of community when opportunity arises.

CONSULTATION

Consultation has taken place with the President of Yuna CWA & MFCS for the Application for waiver.

RISK ASSESSMENT

As set out in the Risk Management Governance Framework Procedures there are appropriate processes and internal controls for the management of this type of operational risk. The actual impact on total revenue and expenditure would be deemed ***Insignificant***

Measures of Consequence							
Rating (Level)	Health	Financial Impact	Service Interruption	Compliance	Reputational	Property	Environment
Insignificant (1)	Negligible injuries	Less than $1,000	No material service interruption	No noticeable regulatory or statutory impact	Unsubstantiated, low impact, low profile or 'no news' item	Inconsequential or no damage.	Contained, reversible impact managed by on site response

VOTING REQUIREMENTS

Absolute Majority

STAFF RECOMMENDATION

That Council endorse the application for waiver of fees and charges and bond relevant to the hire of the Yuna Hall as a local community member for Yuna CWA for Monday 19 September 2022 in exchange for venue cleaning for this event.

Chief Executive Officer

10.3 AGENDA ITEMS

10.3.1 Batavia Local Emergency Management Committee – LEMA & Local Recovery Plan

10.3.2 Proposed WALGA Advocacy Position - Legislative Impacts & Opportunities for Volunteer Bush Fire Brigades

10.3.1 Batavia Local Emergency Management Committee – LEMA & Local Recovery Plan

PROPONENT:	**Chief Executive Officer**
SITE:	**Chapman Valley, Greater Geraldton & Northampton LGAs**
FILE REFERENCE:	**403.09**
PREVIOUS REFERENCE:	**Nil**
DATE:	**16th June 2022**
AUTHOR:	**Jamie Criddle, Chief Executive Officer**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.3.1(a)	Draft BLEMC Local Emergency Management Arrangements (LEMA)		✓
10.3.1(b)	Draft BLEMC Local Recovery Plan		✓

DISCLOSURE OF INTEREST

Nil

BACKGROUND

The Batavia Local Emergency Management Committee (BLEMC) was established in 2015 with the intent to remove administrative duplications and deal with emergency management on a regional, rather than an individual local government basis.

The BLEMC includes the City of Greater Geraldton and the Shire's of Chapman Valley & Northampton. This has been a successful approach to emergency management across the three local government authorities, with one of the focusses being to remove cross-boundary anomalies across the three districts. Councillors will be aware that an Memorandum of Understanding (MOU) was formalised in July of 2020 identifying how the BLEMC is to operate and who are the core and non-core members of the Committee.

July 2020

COUNCIL RESOLUTION/STAFF RECOMMENDATION

MOVED: Cr. Royce **SECONDED: Cr. Forth**

Council endorse the Batavia Local Emergency Management Committee Memorandum of Understanding as presented.

Voting 7/0
CARRIED
Minute Reference: 07/20-13

Since the signing of the MOU, staff at each participating LGA's have been working on developing a regional LEMA and Local Recovery Plan. The City of Geraldton is the lead organisation for this project with the draft (attached) finally being completed. Seroja and other issue have delayed the completion of this plan to date. This is referred to in section 4 of the Draft MOU. The CEO recently met with representatives from the City to discuss the LEMA & Local Recovery Plan and now have it to a point where it can be formally endorsed.

Council must be aware that this is a "live document" and whilst there is Council endorsement, the document will be in a constant state of change, particularly when resources, staff and facility information change.

COMMENT

Council is requested to formally endorse the Local Emergency Management Arrangements (LEMA) & Local Recovery Plan and for the signing of this document by the Shires of Chapman Valley & Northampton and the City of Greater Geraldton Chief Executive Officers.

The Shires of Shires of Chapman Valley & Northampton and the City of Greater Geraldton have formally combined it Local Emergency Management Committee (LEMC) and are required to review its Local Emergency Management Arrangements & Local Recovery Plan documents every five (5) years.

The purpose of Local Emergency Management Arrangements is to set out by the *Emergency Management Act 2005:*

a) *the local government's policies for emergency management;*

b) the roles and responsibilities of public authorities and other persons involved in emergency management in the local government district;

c) provisions about the coordination of emergency operations and activities relating to emergency management performed by the persons mentioned in paragraph b);

d) a description of emergencies that are likely to occur in the local government district;

e) strategies and priorities for emergency management in the local government district;

f) other matters about emergency management in the local government district prescribed by the regulations; and

g) other matters about emergency management in the local government district the local government considers appropriate". (s. 41(2) of the Act).

BLEMC discussed the Local Emergency Management Arrangements & Local Recovery Plan at its recent meeting in May and will present the documents for endorsement at the next DEMC.

STATUTORY ENVIRONMENT

Emergency Management Act 2005 – Established BLEMC in 2015

Section 41 - Emergency Management Arrangements in local government district.

POLICY/PROCEDURE IMPLICATIONS

No Policy or Management Procedure affected. However; each participating LGA have individual Local Emergency Management Arrangements (LEMA). Staff at the three LGAs have been working on developing the regional LEMA. The City of Geraldton is the lead organisation for this project with the draft being basically completed. This is referred to in section 4 of the Draft MOU.

FINANCIAL IMPLICATIONS

No financial implications envisaged. The regional approach to emergency management will reduce administrative burdens on each participating LGA.

- **<u>Long Term Financial Plan (LTFP):</u>**

  Nil effect on the LTFP.

STRATEGIC IMPLICATIONS

The establishment of the BLEMC is strategically sound as it ensure emergency management is not dealt with in isolation to neighbouring districts.

- **Strategic Community Plan/Corporate Business Plan:**

Ref	Objective	Strategy	Action
1.2	Strengthen our advocacy role and regional partnerships to support the provision of local services and facilities	Maintain close relationships with neighbouring shires and regional bodies	Participate in and advocate for regional resource sharing and cross-boundary cooperation.
		Be present in conversations and gatherings related to the provision of essential and desired services for Chapman Valley residents and visitors	Participate in and advocate for regional resource sharing and cross-boundary cooperation.

CONSULTATION

As previously mentioned, staff at the three participating LGAs have been working collaboratively on the developing the Draft LEMA & Local Recovery Plan which now being presented to each Council for consideration.

RISK ASSESSMENT

The risk in this instance is insignificant at worst as the MOU will provide better clarity on the BLEMC operations.

Measures of Consequence							
Rating (Level)	**Health**	**Financial Impact**	**Service Interruption**	**Compliance**	**Reputational**	**Property**	**Environment**
Insignificant (1)	**Negligible injuries**	**Less than $1,000**	**No material service interruption**	**No noticeable regulatory or statutory impact**	**Unsubstantiated, low impact, low profile or 'no news' item**	**Inconsequential or no damage.**	**Contained, reversible impact managed by on site response**

VOTING REQUIREMENTS

Simple Majority

STAFF RECOMMENDATION

Council review and endorse the Batavia Local Emergency Management Arrangements (LEMA) and Local Recovery Plan as presented and authorise the Chief Executive Officer to execute the document signing with the Shire of Northampton and the City of Greater Geraldton Chief Executive Officers.

10.3.2 Proposed WALGA Advocacy Position - Legislative Impacts & Opportunities for Volunteer Bush Fire Brigades

PROPONENT:	**Chief Executive Officer**
SITE:	**Shire Of Chapman Valley**
FILE REFERENCE:	**601.08**
PREVIOUS REFERENCE:	**NA**
DATE:	**20 October 2021**
AUTHOR:	**Maurice Battilana, Chief Executive Officer**

SUPPORTING DOCUMENTS:

Ref	Title	Attached to Report	Under Separate Cover
10.3.2 Attn A	A – "Reframing Rural Fire Management" Report of the Special Inquiry Into the January 2016 Waroona Fire, Volume 1, by E. Ferguson (Ferguson Report)		✓
10.3.2 Attn B	B – Overview of Western Australia's Work Health and Safety Act 2020, by Department of Mines, Industry Regulation and Safety and Worksafe Western Australia		✓
10.3.2 Attn C	C - Arrangements for Management of Volunteer Bush Fire Brigades: Proposed Advocacy Position May 2022, WALGA.		✓
10.3.2 Attn D	D – INFOPAGE, Proposed Advocacy Position on Arrangements for Management of Volunteer Bushfire Brigades, 20 May 2022, WALGA		✓
10.3.2 Attn E	E – Response Min. Whitby-WHS Legislation & VBFB 5Jan22		✓

DISCLOSURE OF INTEREST

Nil

EXECUTIVE SUMMARY

- In March 2022 the provisions of the new Work Health and Safety Act 2020 were fully transitioned. They clearly detail the standard of duty of care that entities responsible for volunteers now carry.
- This standard has brought into focus the fact that local government is no longer the right entity to be discharging the duty of care and the duty of provision of extreme risk bush fire management services in Western Australia. Western Australia, while its health and safety legislation is now in alignment with the rest of Australia, is now at odds with the rest of Australia in terms of State Government responsibility for volunteer bush fire brigades.
- Local government is clearly unable to meet the management and duty of care expectations enunciated in the Work, Health and Safety Act 2020 in the extreme risk area of bush firefighting. This new legislation exposes the gap between the extreme risk of bush fires and the capabilities of local governments to meet this risk. It has set up local government for failure if nothing is done to fix the fundamental question - what entity is best able to meet the responsibility for supporting volunteer bush fire brigades. This responsibility must be placed in the hands of a State Government department or agency with appropriate expertise, capabilities and resourcing under the emergency services banner to adequately address and manage the risks associated with bush fires and support volunteers in this endeavour.
- Cabinet has agreed on a review of the three emergency services Acts, the Fire Brigades Act 1942, the Bush Fires Act 1954 and the Fire and Emergency Services Act of 1998, to create a single comprehensive Emergency Services Act which will improve community safety and better support all

of our emergency services workers into the future. This work is being undertaken by DFES. (https://www.dfes.wa.gov.au/site/about-us/corporate-information/legislation/legislation.html) .

- This review represents a once in a generation opportunity have this matter addressed and give volunteer bush fire brigades the level of overarching support they need, through a State Government agency or department with new legislation designed to take over this role from local governments.
- It is not appropriate that the current hybrid responsibility sharing arrangement continue between Local Government and the State Government, for either historic or power sharing reasons. This will perpetuate the current mixed message and unclear lines of responsibility that comes from a legislative underpinning of volunteer bush fire brigades as local government entities, while management, training, funding and operational support are provided through DFES. This will not ultimately be in the best interests of the volunteers and their ability to be supported in the important role they undertake in managing bush fire risk.
- WALGA has issued a Proposed Advocacy Position and InfoPage which proposes a hybrid model allowing local governments to opt in or out of management of volunteer bush fire brigade models. A 6-week consultation is underway with the matter to be presented to WALGA State Council in September 2022. Option 4 aligns with the position espoused in this report, namely responsibility being transferred to the State Government, albeit with volunteer bush fire brigades being given entity status.
- At the October 2021 OCM, Council discussed the issue of possible effects the new Work Health Safety (WHS) legislation may have on volunteers in the community, specifically the Bushfire Fighting Volunteers and requested a response on several issues involved with the proposed legislation (10.3.2 Att E)

BACKGROUND

History

The Volunteer Bush Fire Brigades have been a vital part of the regional Western Australian emergency services fabric since 1954 in a formal legislated system, but before that in heart of the community unsupported volunteer service groups. The continuation of this service by the volunteers, ensuring the continuity of the brigades along with the safety of the members, remain as the key priorities. How this is best achieved given findings of the 2016 Ferguson Report and the new safety mandates of the Work Health & Safety Act 2020 (WHS Act) for volunteers, is a primary issue.

Long gone are the days of a group of farming neighbours fronting up to a fire, with the Shire sending down some crew with machinery to assist. Volunteer bush fire brigades replaced this loose affiliation in 1954 through the commencement of the Bush Fires Act with local governments being given responsibility to establish and run the brigades. Over time the State Government has increasingly mandated duty of care requirements to the members and those charged with their management, to the point where the duty of care now extends to the volunteers themselves.

2016 "Reframing Rural Fire Management" Report of the Special Inquiry Into the January 2016 Waroona Fire (Ferguson Report)

Following the 2016 Waroona Yarloop bush fires the Public Sector Commission tasked a special inquiry led by Mr. Euan Ferguson AFSM into the matter. His report (Pg. 18) summarises the losses of these fires as follows:

> "Tragically, during the fire, two residents of Yarloop lost their lives. The fire burned a total area of 69,165 hectares comprising 31,180 hectares of private property and 37,985 hectares of public land. One hundred and eighty one properties were destroyed. At time of writing, it is estimated that the cost of the fire, including the costs of suppression, losses, damage and recovery (including estimated insurance losses) totals approximately $155 million.

In his report prologue (pg.12) he summarises his findings thus:

"It is my view that there exists a need to effect fundamental changes to the system of rural fire management in Western Australia. My conclusion, which has been very carefully considered, is that the current system for managing bushfire in Western Australia is failing citizens and the government.

The recommendations for change were provided in two categories; Strategic and Agency opportunities for improvement. 17 Recommendations and 23 Opportunity statements were made. Critical to the context of this Council Report, is Recommendation 15, which is about rural fire management and its recommends:

"The State Government to create a Rural Fire Service to enhance the capability for rural fire management and bushfire risk management at a State, regional and local level. The proposed Rural Fire Service will:

- be established as a separate entity from the Department of Fire and Emergency Services or, alternatively, be established as a sub-department of the Department of Fire and Emergency Services;
- have an independent budget;
- be able to employ staff;
- have a leadership structure which, to the greatest degree possible, is regionally based and runs the entity;
- be led by a Chief Officer who reports to the responsible Minister on policy and administrative matters; and to the Commissioner for Fire and Emergency Services during operational and emergency response;
- have responsibilities and powers relating to bushfire prevention, preparedness and response; and
- operate collaboratively with the Department of Fire and Emergency Services, the Department of Parks and Wildlife, Local Government and volunteer Bush Fire Brigades.

"In creating the Rural Fire Service, the State Government to consider whether back office and corporate support services could be effectively provided by an existing Department, such as the Department of Fire and Emergency Services or the Department of Parks and Wildlife.

"The State Government to review the creation of the Rural Fire Service two years after its establishment, to assess whether its structure and operations are achieving the intended outcome.

This recommendation has only been partially implemented and the independent entity with the capabilities and resourcing described in the recommendation is far from realization. This is in part because this requires legislative change, one that removes local government as the head of power body establishing and underpinning this entity. The opportunity for this change is now available with the review of the emergency services legislation.

Bush Fire Fighting Risk

The prologue to the Ferguson Report provides an excellent description of the complexities of fighting bush fires and making judgment following the event (pg. 11):

"Hindsight is a wonderful thing. But we must act with disciplined caution when exercising this hindsight. It must always be remembered that those who were key players in this fire emergency were not afforded such luxury. Many individuals, be they citizens or members of agencies or in community teams, worked in extreme and challenging conditions. Many were hot, hungry, dehydrated and sometimes sick with worry and exhaustion. Dangers were ever present. Fast decisions had to be made with information that was incomplete and sometimes conflicting. There were many unknowns. People

made decisions. Assumptions changed. Best laid plans failed. Teams used their initiative and adjusted. Even the most straightforward of tasks became complex. Emergency and essential services worked to create order out of chaos. Everyone worked against time and the progression of the fire.
"It would be easy to look at any shortcomings and be tempted to fall into the trap of finding fault and allocating blame. This must be resisted. In striving for excellence in bushfire emergency management, it must be recognised that there are many parts of the system: the fire, the weather, the terrain and the actions and reactions of people that are subject to sudden and unpredictable change. Under these conditions, much is unknown. Almost everything is shrouded by uncertainty. People make judgements and those judgements are not infallible. Errors can and do occur, despite the best intentions and best efforts of people.

While the Ferguson Report wasn't written with the aim of "finding fault and allocating blame", the new Work Health and Safety Act 2020 is. It is specifically designed and written to provide standards and responsibilities for health and safety, in order to provide a path for finding fault, allocating blame and then punishing those who are at fault.

Work Health and Safety Act 2020

Key features of the WHS Act are provided in the following extract from the "Overview of Western Australia's Work Health and Safety Act 2020" put out by the Department of Mines, Industry Regulation and Safety, and Worksafe (pg. 2):

- The primary duty holder is the 'person conducting a business or undertaking' (PCBU) which is intended to capture a broader range of contemporary workplace relationships.
- A primary duty of care requiring PCBUs to, so far as is reasonably practicable, ensure the health and safety of workers and others who may be affected by the carrying out of work.
- Duties of care for persons who influence the way work is carried out, as well as the integrity of products used for work, including the providers of WHS services.
- A requirement that 'officers' exercise 'due diligence' to ensure compliance.
- The new offence of industrial manslaughter, which provides substantial penalties for PCBUs where a failure to comply with a WHS duty causes the death of an individual, in circumstances where the PCBU knew the conduct could cause death or serious harm.
- The voiding of insurance coverage for WHS penalties, and imposition of penalties for providing or purchasing this insurance.
- The introduction of WHS undertakings, which are enforceable, as an alternative to prosecution.
- Reporting requirements for 'notifiable incidents' such as the serious illness, injury or death of persons and dangerous incidents arising out of the conduct of a business or undertaking.
- A framework to establish a general scheme for authorisations such as licences, permits and registrations (for example, for persons engaged in high-risk work or users of certain plant or substances), including provisions for automated authorisations.

Importantly, the WHS Act captures the duty of care requirements for bush fire brigades and volunteers.

Work Health and Safety Act 2020 Duty of Care Failure and Penalties

Hefty fines now apply to local governments and criminal charges may be imposed on executive staff should they fail in their duty of care under the new Work Health and Safety Act 2020. A sevenfold increase in the maximum fine is now applicable to executives along with a 20 year jail term. The local government body is now subject to an uninsurable fine up to $10M, up 2.85 times from $3.5M.

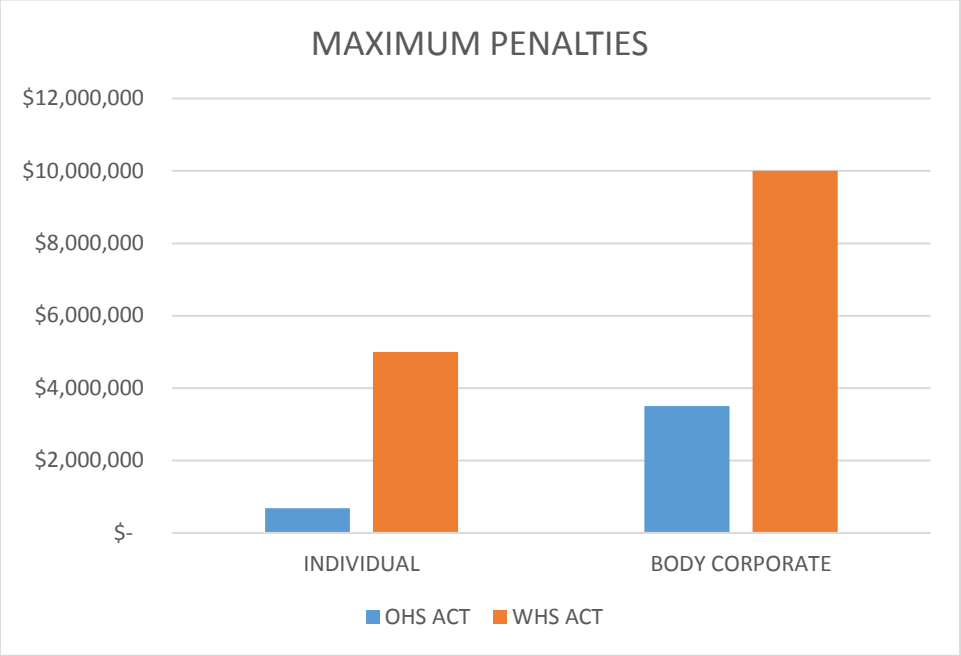


Figure 1. Maximum Individual and Body Corporate Penalties Comparison Between the Previous OHS Act (blue) and the WHS Act (orange)

Maximum penalties for breach of health and safety duty offences

Offence	Duty holder		
	Body corporate	Individual as a PCBU or officer	Individual as worker or other
Industrial manslaughter	$10 000 000	$5 000 000, 20 years in jail	Not applicable
Category 1	$3 500 000	$680 000, 5 years in jail	$340 000, 5 years in jail
Category 2	$1 800 000	$350 000	$170 000
Category 3	$570 000	$120 000	$55 000

Note: Where a penalty provides for a fine or term of imprisonment, the Court may impose a sentence that includes either or both penalties.

Exceptions (section 34)

Volunteers are not liable for a failure to comply with a health and safety duty except in their capacity as a worker (section 28) or other person at a workplace (section 29).

Table 1. Maximum Penalties. Department of Mines, Industry Regulation and Safety, and Worksafe, "Overview of Western Australia's Work Health and Safety Act 2020", pg. 36.

LEVEL	INDIVIDUAL 1ST OFFENCE	INDIVIDUAL SUBSEQUENT OFFENCE	BODY CORPORATE 1ST OFFENCE	BODY CORPORATE SUBSEQUENT OFFENCE

1	$ 100,000	$ 120,000	$ 450,000	$ 570,000
2	$ 250,000	$ 350,000	$1,500,000	$1,800,000
3	$ 400,000	$ 500,000	$2,000,000	$2,500,000
4	$ 550,000	$ 680,000	$2,700,000	$3,500,000

Table 2. Maximum Penalties Under the Previous Occupational, Health and Safety Act 1984", pg. 36.

The State Government has made crystal clear its overarching expectations regarding duty of care, including to volunteers. In doing so, however, it has raised a fundamental question about the appropriate provision of leadership and support for volunteer bush fire brigades in the extreme risk environment in which they operate.

OCM Minutes - October 2021
MOVED: Cr. Royce **SECONDED: Cr Batten**

COUNCIL RESOLUTION/STAFF RECOMMENDATION 1

Council request legal opinion and/or comment from the Western Australian Location Government Association, Local Government Insurance Scheme, the Department of Fire and Emergency Services, Minister for Emergency Services and local parliamentarians of the following items regarding the new Work Health Safety legislation's relevance to Volunteers Bushfire Brigade Members, Local Government Elected Members and Staff:

1. **Volunteers Bushfire Brigade Members Training – is it *"Once Trained – Always Trained"* or is there a need for refresher training courses to be conducted periodically?**
2. **Are Fire Control Officers & Elected Members captured as liable entities as an *"Other"* under Section 29 of the Work Health Safety legislation?**
3. **What is considered a critical number of Brigade members for a Brigade to be viable (e.g. some Brigades in the Shire of Chapman Valley have fewer than eight (8) members actually registered).**
4. **Is it possible to merge Brigades in the Shire to minimise the administrative red tape expected to be imposed on the Brigades & Local Government Authorities (LGA) (e.g. could there simply be one Brigade across the whole Shire).**
5. **Will the State Government provide resources to LGAs to put Community Emergency Service Managers (CESM) in place to those LGAs who currently do not have these positions to assist the LGAs & Brigades to comply?**
6. **How is an LGA expected to monitor the standard of private landowner vehicles and training standards of non-people attending a fire? If an accident happens and the FCO and/or LGA is not aware of an untrained person or substandard vehicle being involved in the incident, is the FCO or LGA still responsible under the legislation.**
7. **Can the legislation be amended to include the ability for the LGA to insure the Officer, Elected Members, Volunteers if they are achieving a minimum operational standard for volunteers, staff, contractors. It is the Shire's understanding the current legislation does not permit insurance to be taken out for this purpose.**
8. **Will the State Government consider additional resources to be paid to LGAs via the Emergency Services Levy (ESL) to assist with bringing volunteer training, PPE, PPC, operational standards, etc. up to a satisfactory level or is this simply another example of legislation being imposed upon**

LGAs without any consideration of ramifications and additional resource and cost requirements placed upon the Ratepayer?

9. **Has the State Government considered legislating the transfer of the head of power for Bushfire Control from the LGA to Department of Fire & Emergency Services (DFES) if an LGA cannot meet a minimum standard or the LGA requests this transfer? This will remove the current patchwork situation across the State of LGAs being poor, average, or compliant?**
10. **The chain of responsibility and liability when a fire moves from landowner to LGA Brigades to DFES remains ambiguous and needs clarity asap.**
11. **Will WALGA, LGIS, DFES and/or the State Government assist small LGAs with developing relevant policies and procedures to introduce best-practice and improve compliance with the Work Health Safety legislation for volunteers and LGA Elected Members and Officers**

COUNCIL RESOLUTION/STAFF RECOMMENDATION 2

Council endorse the Draft Volunteer Bushfire Brigade Member Training Management Procedure (EMP-002) as presented and for this Procedure to be provided to the Chief Bushfire Control Officer, Deputy Chief Bushfire Control Officer and all Brigade Fire Control Officers for comment and feedback.

If there is acceptance of the Draft Management Procedure by the Chief Bushfire Control Officer, Deputy Chief Bushfire Control Officer and all Brigade Fire Control Officers without change then this Procedure be introduced. However, if there is any suggested amendments to the Draft these are to be presented to Council for further consideration prior to the Procedure being introduced and implemented.

Voting F7/A0
CARRIED
Minute Reference: 10/21-10

COMMENT

Risk and WHS Act Implications

The new WHS Act safety mandate has brought into focus two related questions, and these questions must be rigorously and independently assessed and addressed, ahead of preference and historically affiliation, if a best practice, safe and compliant outcome is to be achieved. Who is best placed to manage bush fire brigades, given the systems, expertise and control hierarchy needed to operate within the new WHS Act requirements? Secondly, is the current legislation, which provides for local governments to establish and run bush fire brigades, still appropriate, given these mandated safety management requirements? Recommendation 15 of the Ferguson Report answers these questions.

Local governments, and particularly those in executive level management, see a chasm between their risk management capabilities, expertise, control, financial support and the standards mandated in the new WHS Act for the extremely high-risk and complex activity of fighting bushfires. They also see that the State Government, through the Department of Fire and Emergence Services (DFES), which has the expertise, knowledge, systems, training support and control, is much more capable in fighting fires than local government as an entity will ever be. In fact, in all of these areas DFES currently provides support to the bush

fire brigades, with local government effectively simply providing a legacy legislative platform for their existence, along with some administrative support, assets and land for VBFB facilities.

The disparate, disjointed management by individual local governments, may provide some tailored local focus, but it has no strategic, management expertise, operational expertise, coordination or cohesiveness, nor State Government consistent operational budget funding outside of grants; despite now carrying safety expectations well above local government primary expertise and risk management capabilities.

As an alternative way of viewing this issue, local governments would not be expected, or able, to competently manage the emergency services currently within DFES areas of responsibility. Nor would Local government manage ambulance services, and nor should they. These are matters outside of local government core business and expertise. As a risk response, government, agencies and departments must operate within their core business and competencies. With a new focus on health and safety it is no longer appropriate that local government be required to operate in a highly specialized extreme risk area, when suitable alternatives exist, or should exist, as stated in the Ferguson Report.

Australian Models for Management of Bush Fire Brigades

The WHS Act was ostensibly enacted, in part, to bring Western Australia in line with the rest of the Australian states, including responsibility for volunteers. Perhaps as an unintended consequence, this has highlighted a significant disparity across Australia, with every other state having their volunteer bushfire brigades run by State Government agencies rather than local governments. Many in local government charged with management oversight of the VBFBs, believe that a handover to the State Government is the necessary next step for Western Australia, if coming into line with the rest of Australia.

Bush Fire Brigade Volunteers

The Ferguson Report (pp. 237 – 245) details the public response to the question of DFES involvement in fighting bush fires:

- DFES staff do not have sufficient expertise in rural fire management and don't understand our needs; and
- Inappropriate training is provided.

There is some skepticism and reluctance among some VBFB members regarding leaving the local governments, where they believe there is often more autonomy, local knowledge and a local focus.
A review of the emergency legislation needs to ensure that bush fire brigades are at the table in terms of consultation and that their legitimate concerns are aired and resolved.

STATUTORY ENVIRONMENT

In light of, *the Local Government Act of 1995: Division 3 — Executive functions of local governments, Subdivision 1 — Performing executive functions, s3.18. Performing executive functions: 3(b);* as the WA Department of Fire an Emergency Services (DFES), is already providing a rural fire division (ref. 2), it could be considered that the further provision of Local Government controlled Fire & Emergency Services Brigades is an inappropriate duplication of *"services or facilities provided by the ... State".*

Work Health and Safety Act 2022, mandates the duty of care to volunteers by the person conducting a business undertaking. Senior Local Government officers with decision making and budget allocation control, have a duty of care to volunteer bush fire brigade members.

Bush Fires Act 1954, s36 and s41. Provides for local governments to establish, maintain and equip bush fire brigades.

Emergency Services Review of Legislation

The Department of Emergency Services is currently reviewing the three emergency services Acts. This represents a one in a generation opportunity to consider the best and most competent delivery of volunteer bush fire brigade services. Ensuring that WALGA is at the table in this review is critical to good outcomes for local government.

POLICY/PROCEDURE IMPLICATIONS

The adoption of advocacy positions will inform WALGA policy positions and will be incorporated in WALGA's Advocacy Positions Manual.

FINANCIAL IMPLICATIONS

Insurance

Up to $10M in uninsurable organisational maximum penalties for the most serious failures to comply with the new WHS Act 2020.

WALGA Local Governments are responsible for providing compensation for injury caused to present and former BFB volunteers as a result of their duties. The commercial insurance market ceased writing injury insurance for volunteers in 2012, therefore a self-insurance mutual scheme was implemented to ensure that Local Governments continue to meet this obligation.

Since 2012, due to the high cost of claims, the aggregate limit of liability has increased from $250,000 to $750,000. In addition, the annual cost of insurance has nearly doubled (92%) from $47.50 to $91.20 per volunteer, and it is expected that this trend will continue (Data provided by LGIS, 17 May 2022 in pg. 7, Arrangements for Management of Volunteer Bush Fire Brigades: Proposed Advocacy Position - May 2022).

Volunteer Bush Fire Services Funding

The State Government has in place an Emergency Services Levy. This is a pre-existing and suitable funding mechanism for volunteer bush fire brigades services via an entity, under direct management of the State Government.

WALGA Advocacy Position

Nil.

STRATEGIC IMPLICATIONS

Strategic Community Plan/Corporate Business Plan:

Ref	Objective	Strategy	Action

5.1	Ensure governance and administration systems, policies and processes are current and relevant	Review policy categories and set ongoing accountability for review processes	Review current Council and Management policies and formalise update process and timelines.

CONSULTATION

Special Inquiry into the Waroona bush fires

The Special Inquiry into the Waroona bush fires was conducted by Euan Ferguson AFSM. In a letter dated 26 April 2016, to Mr Wauchope, the Public Sector Commissioner, Mr Ferguson described the consultation process as follows:

> "The Special Inquiry started in early February, ran for 13 weeks and held formal hearings on 22 days. The Special Inquiry has evoked a significant response. One hundred and sixty five written submissions have been received. One hundred people appeared at formal hearings and five people gave evidence via telephone. We have met and interacted with 42 organisations and interest groups.

The report prologue further describes the consultation and the outcomes sought by the witnesses and submissions:

> "All of the people the Special Inquiry met with: citizens, landowners, farmers, business owners, personnel from agencies, essential services and from emergency services, were genuine in their commitment to do the best they could during this crisis. The Special Inquiry noted a strong urge from all the witnesses and submissions to understand the failings in the current systems of work, to learn from this tragic experience, and to change the future.

WALGA Proposed Advocacy Position

WALGA's proposed advocacy position is as follows.

"Management of Bush Fire Brigades

1. The Association advocates that the State Government must provide for:

    a) A clear pathway for Local Governments to transfer responsibility for the management of Bush Fire Brigades to the State Government when ongoing management is beyond the capacity, capability and resources of the Local Government;
    b) The co-design of a suite of relevant guidelines and materials to assist those Local Governments that manage Bush Fire Brigades;
    c) Mandatory and minimum training requirements for Bush Fire Brigade volunteers supported by a universally accessible training program managed by the Department of Fire and Emergency Services (DFES); and
    d) The recognition of prior learning, experience and competency of Bush Fire Brigade volunteers.

2. That a Working Group comprising representatives of WALGA and DFES be established to develop a process and timeline for the transfer of responsibility for Bush Fire Brigades in accordance with 1(a).

3. Where management of Bush Fire Brigades is transferred to DFES in accordance with 1(a), DFES should be resourced to undertake the additional responsibility.

WALGA's proposed advocacy position does not address the critical risk problem, nor does it examine the best and most appropriate legislative vehicle to ensure the best outcome for the volunteer bush fire brigades

is achieved. Without this critical appraisal, the advocacy position simply shifts the responsibility back to local government to determine.

RISK ASSESSMENT

As previously reported, it is difficult to determine the risk of the Work Health Safety legislation. However, there is significant (currently uninsurable) risk on the LGA staff under the legislation. Therefore the risk could range anywhere between ***Minor*** and ***Catastrophic*** depending on where this risk sits.

Measures of Consequence							
Rating (Level)	**Health**	**Financial Impact**	**Service Interruption**	**Compliance**	**Reputational**	**Property**	**Environment**
Insignificant (1)	**Negligible injuries**	**Less than $1,000**	**No material service interruption**	**No noticeable regulatory or statutory impact**	**Unsubstantiated, low impact, low profile or 'no news' item**	**Inconsequential or no damage.**	**Contained, reversible impact managed by on site response**
Minor (2)	**First aid injuries**	**$1,001 - $10,000**	**Short term temporary interruption – backlog cleared < 1 day**	**Some temporary non compliances**	**Substantiated, low impact, low news item**	**Localised damage rectified by routine internal procedures**	**Contained, reversible impact managed by internal response**
Moderate (3)	**Medical type injuries**	**$10,001 - $50,000**	**Medium term temporary interruption – backlog cleared by additional resources < 1 week**	**Short term non-compliance but with significant regulatory requirements imposed**	**Substantiated, public embarrassment, moderate impact, moderate news profile**	**Localised damage requiring external resources to rectify**	**Contained, reversible impact managed by external agencies**
Major (4)	**Lost time injury**	**$50,001 - $150,000**	**Prolonged interruption of services – additional resources; performance affected < 1 month**	**Non-compliance results in termination of services or imposed penalties**	**Substantiated, public embarrassment, high impact, high news profile, third party actions**	**Significant damage requiring internal & external resources to rectify**	**Uncontained, reversible impact managed by a coordinated response from external agencies**
Catastrophic (5)	**Fatality, permanent disability**	**More than $150,000**	**Indeterminate prolonged interruption of services – non-performanc**	**Non-compliance results in litigation, criminal charges or significant**	**Substantiated, public embarrassment, very high multiple impacts, high**	**Extensive damage requiring prolonged period of restitution**	**Uncontained, irreversible impact**

			e **> 1 month**	**damages or penalties**	**widespread multiple news profile, third party actions**	**Complete loss of plant, equipment & building**	

CONCLUSION

There is an urgent need for Local Governments and the State Government to review the suitability of local governments role in delivery of volunteer bush fire brigades, given the spotlight on volunteer management raised by the new Work Health and Safety Act 2020. The Ferguson Report, in 2016, provides a pathway for a new entity to do this, with a State Government core business emergency services entity tailored to bush firefighting and meeting the needs of volunteers. The current review of the three emergency services Acts represents a once in a generation opportunity to modernise the legislation underpinning volunteer bush firefighting in Western Australia to align under a suitable agency.

VOTING REQUIREMENTS

Simple Majority

STAFF RECOMMENDATION 1

That Council requests:

1. WA Local Government Association (WALGA) to advocate for the:
    a. Modernisation of Western Australian emergency services legislation, including alignment of the WA Bush Fires Act 1954 with the rest of Australia by removing the legislative requirement for WA Local Governments to manage Volunteer Bush Fire Brigades (VBFB); and
    b. Provision of a legislated State Government department or agency to do so, fully implementing recommendation 15 of the "Reframing Rural Fire Management" Report of the Special Inquiry Into the January 2016 Waroona Fire (Ferguson Report), which states;

    "*The State Government to create a Rural Fire Service to enhance the capability for rural fire management and bushfire risk management at a State, regional and local level. The proposed Rural Fire Service will:*

    - *be established as a separate entity from the Department of Fire and Emergency Services or, alternatively, be established as a sub-department of the Department of Fire and Emergency Services;*
    - *have an independent budget;*
    - *be able to employ staff;*
    - *have a leadership structure which, to the greatest degree possible, is regionally based and runs the entity;*
    - *be led by a Chief Officer who reports to the responsible Minister on policy and administrative matters; and to the Commissioner for Fire and Emergency Services during operational and emergency response;*
    - *have responsibilities and powers relating to bushfire prevention, preparedness and response; and*
    - *operate collaboratively with the Department of Fire and Emergency Services, the Department of Parks and Wildlife, Local Government and volunteer Bush Fire Brigades.*

    "In creating the Rural Fire Service, the State Government to consider whether back office and corporate support services could be effectively provided by an existing Department, such as the Department of Fire and Emergency Services or the Department of Parks and Wildlife.

"The State Government to review the creation of the Rural Fire Service two years after its establishment, to assess whether its structure and operations are achieving the intended outcome.

STAFF RECOMMENDATION 2

2. WALGA to support, in the review of the emergency services legislation, a comprehensive plan by the Department of Fire and Emergency Services and the State Government for;

   a. Full engagement with the VBFBs, local governments and WALGA to understand their successes, challenges, ideas and hopes for this service;
   b. Inclusion of a review of the history and past performance of the volunteer bush fire brigades in Western Australia, including all previous studies and findings, with volunteer safety as a key theme;
   c. A best practice assessment of volunteer bush fire brigades departmental/agency structures and legislative underpinnings across Australia; and
   d. A legislative outcome goal that ensures that organisational structures, expertise, strategy, management and control, best meet the health and safety mandates of the WHS Act 2020;

STAFF RECOMMENDATION 3

3. WALGA to support Option 4 of its "Arrangements for Management of Volunteer Bush Fire Brigades: Proposed Advocacy Position" paper, being, "*Transfer - Responsibility for management of all BFBs is transferred to the State Government, consistent with the arrangements in other States and Territories"*.

11.0 ELECTED MEMBERS MOTIONS OF WHICH PREVIOUS NOTICE HAS BEEN GIVEN

12.0 NEW BUSINESS OF AN URGENT NATURE INTRODUCED BY DECISION OF THE MEETING

13.0 DELEGATES REPORTS

14.0 ANNOUNCEMENTS BY PRESIDING MEMBER WITHOUT DISCUSSION

15.0 MATTERS FOR WHICH MEETING TO BE CLOSED TO MEMBERS OF THE PUBLIC

16.0 CLOSURE



SOURCE DOCUMENTATION

Shire of Chapman Valley
3270 Chapman Valley Rd
NABAWA WA 6532

Hi Councillors of Chapman Valley,

Re: Proposed Shed - 6967 (Lot 70) Chapman Valley Road, Yuna

We seek the discretion for the councillors to approve our proposed shed application for the following reasons.

The proposed shed of 182.5m2 with existing outbuildings of 55m2 and 32m2 gives us an overall covered area of 269.5m2 on a block size of 1,852m2, which is zoned "Rural Townsite" representing 14.55% of block coverage. Due to the larger size of my property and yard, the shed will not look out of scale and has sufficient area to capture storm water run off on site.

In addition, we do not have any immediate neighbours who would raise an objection, as the property is boarded by the CWA, park and old Hall and has the CBH across the road. Also, the setback from Chapman Valley Rd and Bawden Lane intersection will not obscure traffic sightlines. The shed also will be partially obscured by being positioned behind the Colorbond fence, once the repairs are made by insurance from Cyclone Seroja.

The colour scheme proposed is to match the replacement/existing fence of Classic Cream sheeting and a Pale Eucalypt trim. We propose the same colour scheme as per the attachment.

The proposed shed enables 3 vehicles which are currently stored out in the open and to the elements to be stored out of sight. In addition to vehicle storage for the purpose of storage of household items, ride on mower, personal gym equipment and display collectables in Leah's "woman cave".

Should you have any questions in reference to the above, please feel free to contact me.

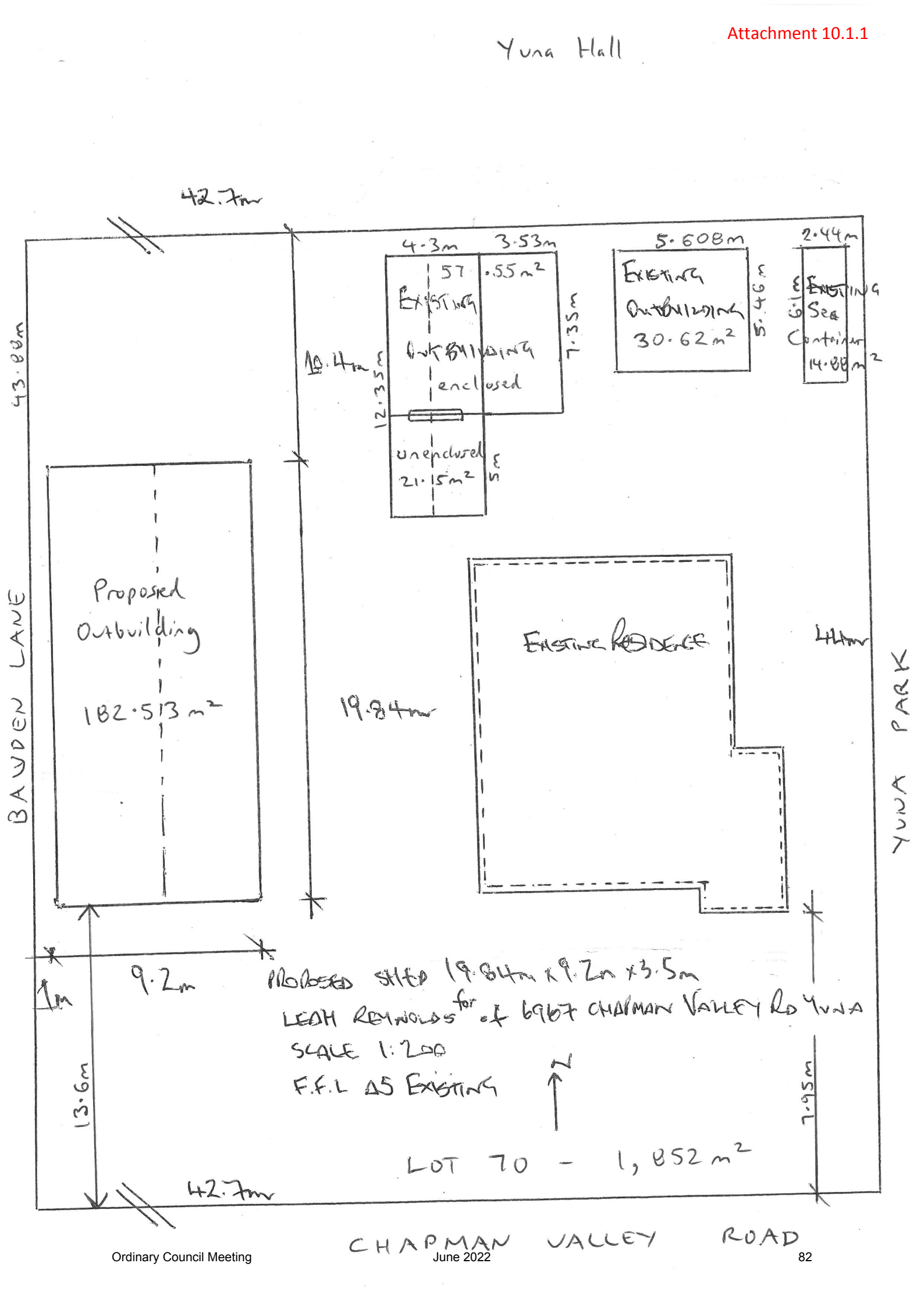
Regards

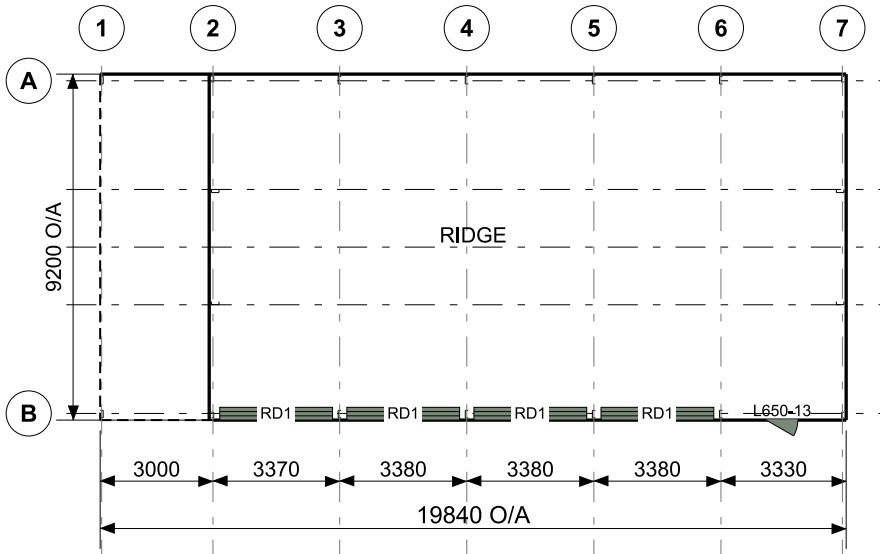
Phil Green

Shed Rite
3/36 Comserv Loop, Ellenbrook WA 6069

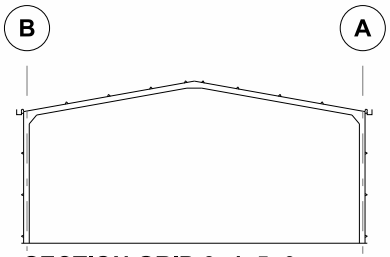
Mobile: 0408 100 505

Email: phil@shedrite.com.au

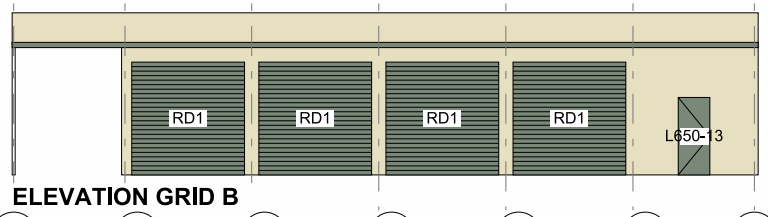

Yuna Hall
42.7m
43.88m
4.3m
3.53m
57
.55m²
Existing
Outbuilding
enclosed
10.4m
12.35m
7.35m
unenclosed
21.15m²
5.60Bm
Existing
Outbuilding
30.62m²
5.46m
2.44m
6.1m
Existing
Sea
Container
14.88m²
Proposed
Outbuilding
182.513m²
Existing Residence
19.84m
44m
BAUDEN LANE
YUNA PARK
9.2m
1m
13.6m
Proposed shed 19.84m x 9.2m x 3.5m
LEAH REYNOLDS for Lot 6967 CHAPMAN VALLEY Rd YUNA
SCALE 1:200
F.F.L AS EXISTING
N
7.95m
LOT 70 - 1,852m²
42.7m
CHAPMAN VALLEY ROAD



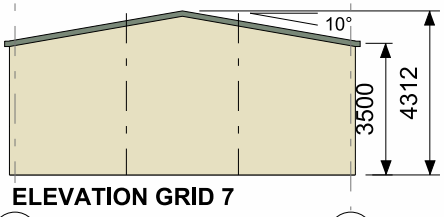
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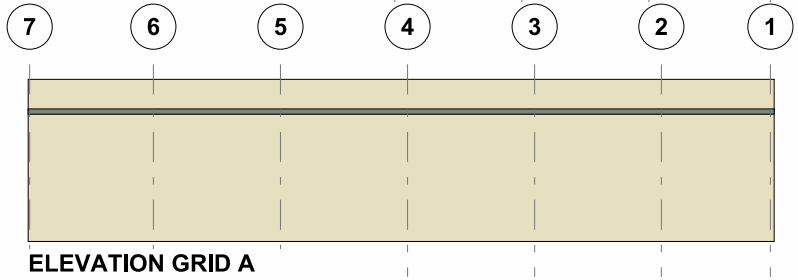
SECTION GRID 3, 4, 5, 6



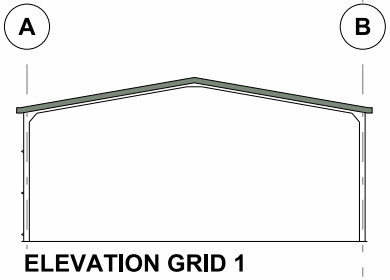
ELEVATION GRID B



ELEVATION GRID 7



ELEVATION GRID A



ELEVATION GRID 1

Cont. on page 2

RANBUILD

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Lysaght Building Solutions Pty Ltd
trading as RANBUILD

CLADDING

ITEM	PROFILE (min)	FINISH	COLOUR
ROOF	CUSTOM ORB 0.42 BMT	CB	CC
WALLS	TRIMDEK 0.35 BMT	CB	CC
CORNERS	-	CB	CC
BARGE	-	CB	PE
GUTTER	SHEERLINE	CB	PE
DOWNPIPE	100x50	CB	CC

0.35bmt=0.40tct; 0.42bmt=0.47tct; 0.48bmt=0.53tct

ACCESSORY SCHEDULE & LEGEND

QTY	MARK	DESCRIPTION
4	RD1	B&D, Firmadoor, R.D, Residential "R1F", 2925 high x 3000 wide Clear Opening C/B
1	L650-13	Lysaght PA Door & Pre-Hung Frame 180 Deg Std. 2040 x 820 C/Bond (BDS)

ARCHITECTURAL DRAWING ONLY, NOT FOR CONSTRUCTION USE

WIND DESIGN

IMPORTANCE LEVEL	REGION	TERRAIN	Ms
2	B	2.5	1.0

CLIENT
LEAH REYNOLDS

SITE
6967 CHAPMAN VALLEY RD
YUNA WA 6532

BUILDING
SUNDOWN DELUXE
9200 SPAN x 3500 EAVE x 19840 LONG

TITLE
GENERAL ARRANGEMENT

SCALE	DRAWING NUMBER	REV	PAGE
A4 SHEET 1:200	ELLN01-5944	A	1/2



Shire of Chapman Valley
Local Planning Scheme No 3
Amendment No 1

SHIRE OF
Chapman Valley
love the rural life!

DOCUMENT CONTROL

Project 21225

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Prepared by:

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Summary of Proposal to Amend a Town Planning Scheme

Local Authority:	Shire of Chapman Valley
Description of Scheme:	Local Planning Scheme No 3
Type of Scheme:	District Scheme
Amendment Number:	1
Amendment Proposal:	Amend Local Planning Scheme as per PDA s75: 1. Rezone Lot 4 Diagram 23181 Post Office Lane, Nabawa from Local Scheme Reserve 'Civic and Community' to 'Residential R10'. 2. Modify the Scheme Maps accordingly.
Amendment Type:	The Amendment is defined as standard under the provisions of Section 34 of *Planning and Development (Local Planning Schemes) Regulations 2015* for the following reasons: 1. The amendment relates to a zone or reserve that is consistent with the objectives identified in the scheme for that zone or reserve. 2. The amendment is consistent with the local planning strategy for the scheme that has been endorsed by the Commission. 3. The amendment will have minimal impact on land in the scheme area that is not the subject of the amendment. 4. The amendment will not result in any significant environmental, social, economic or governance impacts on land in the scheme area.

Form 2A

Planning and Development Act 2005

Resolution to Adopt Amendment to Local Planning Scheme

Shire of Chapman Valley

Local Planning Scheme No. 3

Amendment No. 1

RESOLVED that the Local Government pursuant of Section 75 of the *Planning and Development Act 2005*, amend the above Local Planning Scheme by –

1. Rezoning Lot 4 Diagram 23181 Post Office Lane, Nabawa from Local Scheme Reserve 'Civic and Community' to 'Residential R10'.

2. Modify the Scheme Maps accordingly.

The Amendment is defined as standard under the provisions of Section 34 of *Planning and Development (Local Planning Schemes) Regulations 2015* for the following reasons:

1. The amendment relates to a zone or reserve that is consistent with the objectives identified in the scheme for that zone or reserve.

2. The amendment is consistent with the local planning strategy for the scheme that has been endorsed by the Commission.

3. The amendment will have minimal impact on land in the scheme area that is not the subject of the amendment.

4. The amendment will not result in any significant environmental, social, economic or governance impacts on land in the scheme area.

DATED THIS _____DAY OF_____ 2022

_____
CHIEF EXECUTIVE OFFICER

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APPENDICES

Appendix 1 Certificate of Title 1214/423
Appendix 2 Heritage Inventory Extract Place No 39

1.0 INTRODUCTION

The scheme amendment report is in support of an amendment to the Shire of Chapman Valley Local Planning Scheme No 3. The report provides the relevant background and justification for the amendment.

The subject landholdings are reserved in the Scheme for Civic and Community Purposes. The lot contains The Church of St Bartholomew Nabawa, in the Anglican Faith. The Church is no longer used for Ecclesiastical or community purposes in the Parish. The Church will be deconsecrated to facilitate non-religious use. The lot is proposed to be rezoned to Residential R10, similar to adjoining lots, and to enable the existing built infrastructure to be conserved and used for residential development.

The landowner and proponent are the Trustees of the Northern Diocese of Western Australia.

2.0 SUBJECT LAND

2.1 Location

Lot 4 is located on Post Office Lane in the Nabawa townsite. Nabawa is approximately 35 kilometres from Geraldton. Nabawa is the administrative centre for the Shire of Chapman Valley. **Figures 1 & 2** provide the context for subject land's location.

An aerial photograph extract is provided at **Figure 3.**

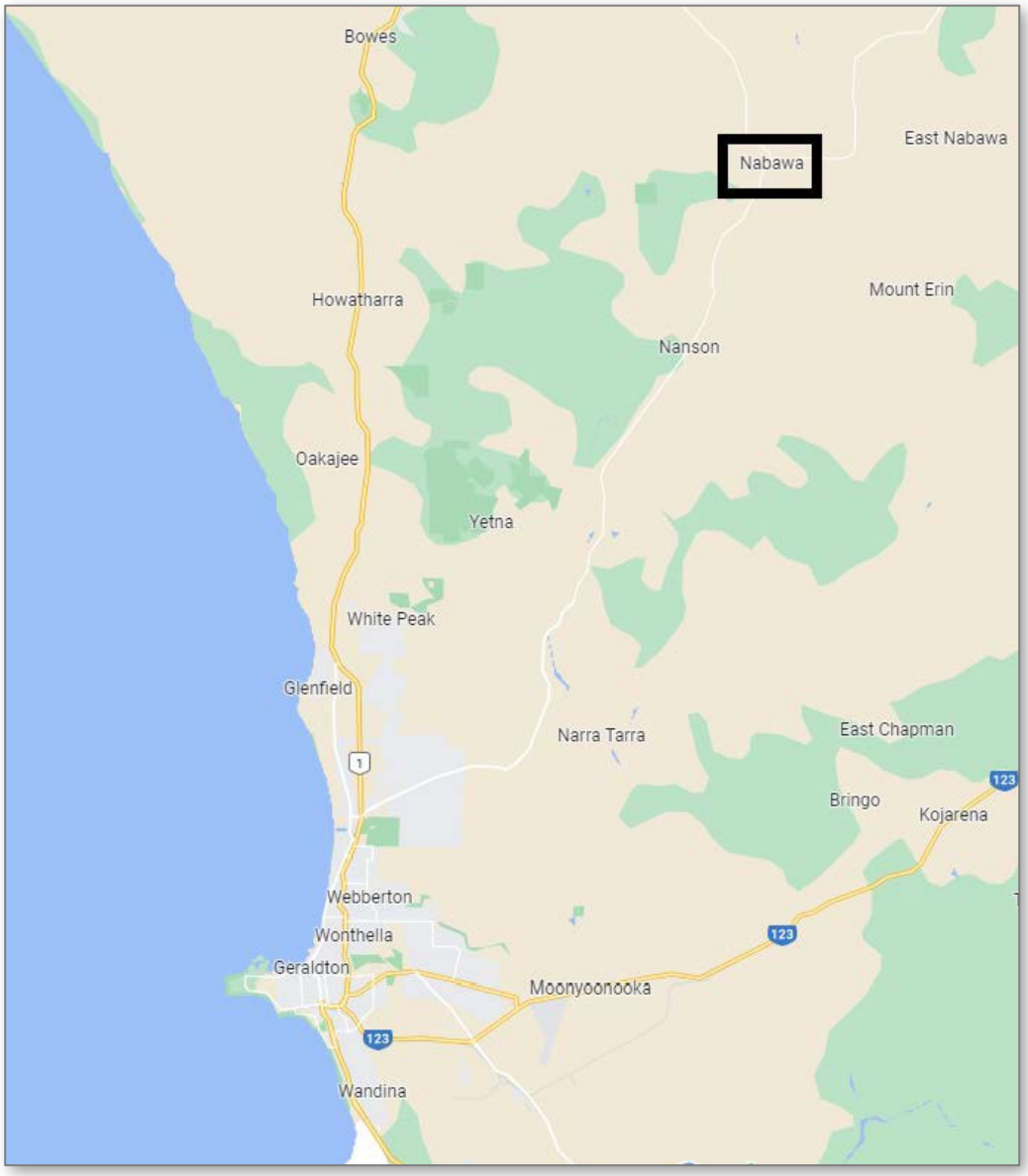


Figure 1 *Locality Plan (Source Google Maps, 2022)*

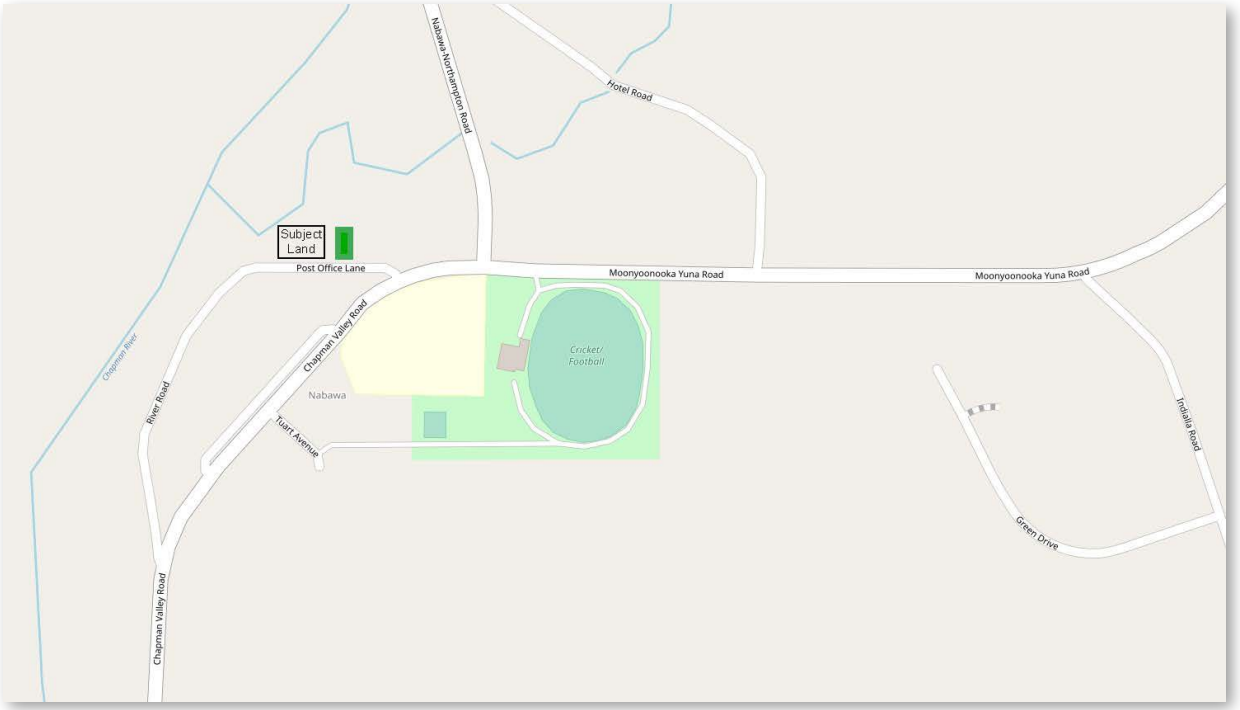


Figure 2 *Locality Plan Nabawa townsite context (Source OpenStreetMap, 2022)*



Figure 3 *Aerial photograph Lot 4 (Source Landgate, 2022)*

2.2 Legal Description

Lot No	Parcel Identifier	Certificate of Title	
		Volume	Folio
4	Diagram 23181	1214	423

The Certificate of Title is encumbered by a caveat in favour of the Registrar of Titles which governs transfer of ownership. The proponent is progressing separate conveyancing requirements to address this matter to release the encumbrance on title.

Certificate of Title 1214/423 is included at **Appendix 1**.

2.3 Existing Land Use

The lot contains The Church of St Bartholomew Nabawa. The Church was constructed in the late 1950's. The Church is described in the local governments Heritage Inventory as:

> *"(a) simple salmon brick building has a steeply pitched gable roof clad with green concrete tiles. The building has timber window frames and double timber entry doors to the side of the front porch. There is a feature brick cross to the gable end, while a cut out cross features to the timber lining of the entry porch. A metal pole and wire mesh fence marks the street boundary, while a small bell tower is located immediately inside the fenceline."*

Lot 4 is 1012m2 in area. The lot is flat and contains no significant vegetation. The lot is serviced with reticulated water and aerial power services. Post Office Lane is an unsealed residential street.

Use of the Church by the Parish has reduced significantly in recent years. The lack of regular use together with few regular Parish members, has resulted in the site being in a state of dis-repair, particularly externally. This has been exacerbated by the Church having Church suffered significant structural damage during Cyclone Seroja in 2021.

The Trustees of the Northern Diocese of Western Australia have resolved that the Church infrastructure is no longer required and the landholding will be made available for sale.



Plate 1 *Church of St Bartholomew Nabawa (front elevation)*



Plate 2 *Church of St Bartholomew Nabawa (north (rear) and western elevations)*



Plate 3 *Church of St Bartholomew Nabawa (eastern elevation)*

2.4 Adjoining Land Use and Development

Lot 4 sits within the residential zone of the Nabawa townsite. Lots to the north, east and south-west are al developed for residential use and form the original Nabawa settlement area. Post Office Lane is the northern extent of the Residential zone in the Nabawa townsite. Residential lot sizes range from 800m2 to 8000m2. There is some scope for the larger vacant residential lots to be subdivided to allow for infill development, as demand supports. The Chapman Valley Primary School is diagonally opposite the lot on Chapman Valley Road. A public open space reserve is located on Post Office Lane and contains public facilities. Lots to the north are zoned Rural.

Chapman Valley Road is classified as Primary Distributor Road and RAV assigned level . The lot does not have direct frontage to Chapman Valley Road and a landscaped median strip separates Post Office Lane from the Chapman Valley Road pavement.

The amendment proposes the Residential zone over Lot 4, consistent with the established zoning on Post Office Lane and the greater residential precinct. Development provisions that are applicable for the residential zone will ensure that future redevelopment of the site is consistent with the statutory framework.

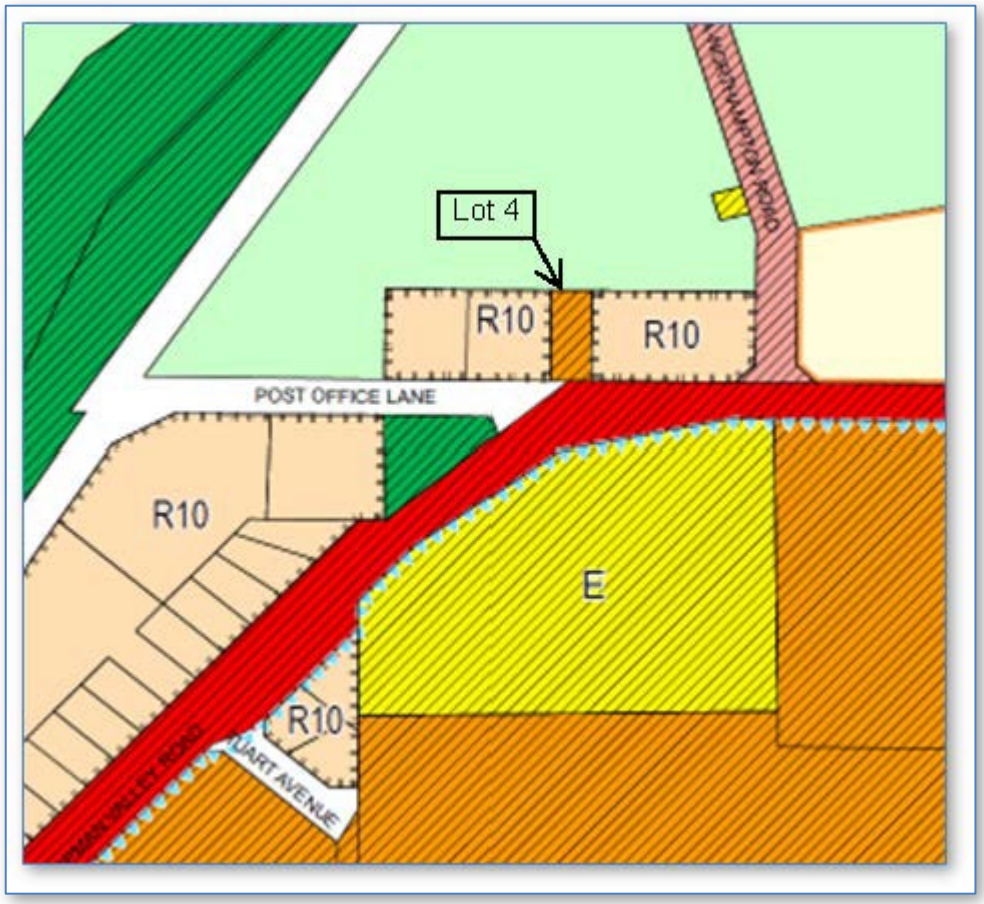


Figure 4 *Adjoining land use context (zoning map extract)*



Figure 5 *Adjoining land use context (aerial photograph extract source Landgate, 2022)*

3.0 PLANNING FRAMEWORK

3.1 State Planning Strategy 2050

The State Planning Strategy is the overarching strategic planning document that identifies the principals that will guide planning decisions. It provides the strategic context and guidance for future strategies, plans, policies, and decision making by authorities. Implementation of the objectives and visions is through the planning framework.

The amendment is cognizant of the principles which inform the strategy: the amendment will facilitate regional development, contribute to a diverse community and population; facilitate investment; and provide for the sustainable use of existing infrastructure and resources.

3.2 State Planning Policies

3.2.1 SPP 3 Urban Growth and Settlement

State Planning Policy No. 3 sets out policy measures and requirements to create sustainable communities. The policy prescribes those settlements with potential for growth should be identified in regional and local strategies and development facilitated by structure plans. The policy also identifies the need to locate and design new development in a sustainable way which is integrated with the overall pattern of settlement.

This amendment is consistent with the policy in so much as it will provide an infill development opportunity in an established townsite and opportunities for a variety of residential development as detailed in the local planning strategy. The proposed zoning is consistent with the adjoining residential precinct.

3.2.2 SPP 3.7 Planning in bushfire prone areas

The intent of this Policy is to implement effective risk-based land use planning and development to preserve life and reduce the impact of bushfire on property and infrastructure.

Where proposed development is identified as being bush-fire prone, the policy details the need for a Bushfire Hazard Level (BHL) assessment to identify hazard issues and that compliance with protection criteria can be achieved at subdivision stage.

A portion of Lot 4 is identified as being bushfire prone as indicated in **Figure 6**.



Figure 6 *DFES Bushfire prone mapping extract*

A formal assessment has not been included in the amendment application for the following reasons:

(i) Whilst the amendment will intensify use by facilitating conversion to a residential use, the proposal will not increase the number of lots in the residential zone. The lot contains a Church building, and a change of use application to a dwelling or other permitted use will be required (both development approval and building classification from 9b to 1a, or similar). A BAL contour and assessment is considered more appropriate at development stage to determine the hazard level for building envelope, and applicable build requirements to mitigate risk (as required).

(ii) The Precautionary principle: it is not considered to be significant risk from the proposed rezoning, and that the issues associated with bushfire risk will be required dealt with at the development stage. The lot is cleared of all remnant vegetation and is flat. The area of the lot identified as bushfire prone on mapping would be reasonably expected to achieve a BAL_LOW rating.

(iii) Areas where no apparent hazard: The existing development envelope is between 100metres from bushfire prone vegetation as indicated in **Figure 6a.**



***Figure 6a** Distance from bushfire prone vegetation to existing building envelope.*

(iv) Bushfire protection criteria:
The lot and development can be demonstrated at this stage to be compliant with the following elements:

Element 1 Location	Location in area achieve low bushfire hazard, or BAL-29 or below	✓
Element 2	Habitable building can achieve APZ	✓
Element 3	Vehicle Access inc multiple access routes	✓
Element 4	Water inc reticulated supply	✓
Element 5	NA	

3.2.3 SPP 7.3 Residential Design Codes Vol 1

The R-Codes control the design of residential development throughout Western Australia. They are also used in the assessment of residential subdivision proposals.

The amendment will identify density in accordance with the prevailing residential density in the Nabawa townsite. All future development will be in accordance with RCode development provisions.

3.3 State Government Sewerage Policy (to be incorporated into SPP2.9)

The policy sets out the state government policy for the provision of sewerage services and circumstances where on-site effluent disposal can be contemplated.

Where reticulated sewerage services are not available, on-site effluent can be utilised for infill residential development where lots are greater than 1000m2 and are located outside a PDWSA. Lots with a heavy soil profile may require secondary treatment systems to support on-site disposal measures. The lot is than 1012m2 in area and is not located in a PDWSA. The amendment will lead to the conversion of the Church building to a dwelling and determination of on-site effluent requirements will be determined at development stage.

3.4 Local Planning

3.4.1 Shire of Chapman Valley Local Planning Strategy

The Strategy was endorsed by the WAPC in 2008. The subject land is included in Precinct 9 (Nabawa). Nabawa is identified as the centre of the local government area. The objectives of the precinct are to accommodate growth through various strategies.
The strategy map identifies Lot 4 in the Residential development area.

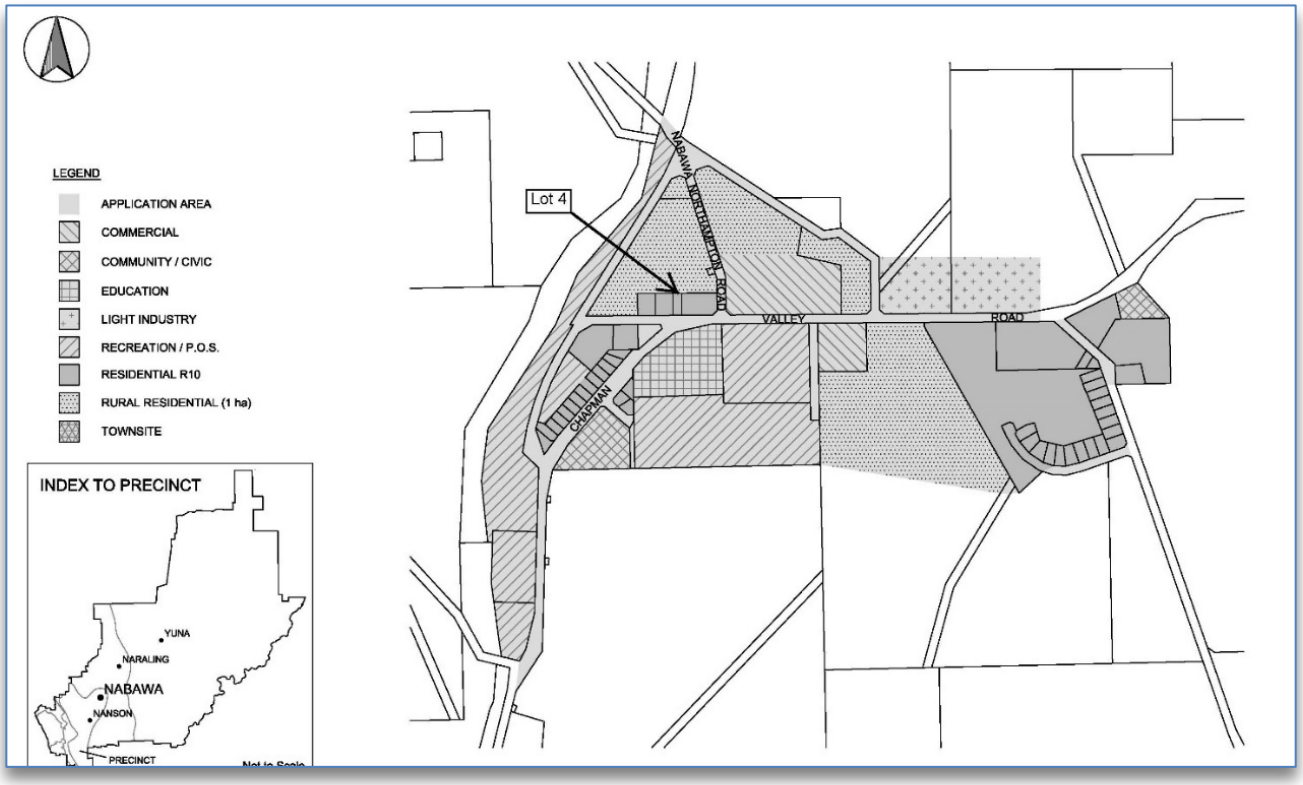


Figure 7 *Local Planning Strategy Extract Precinct 9 Nabawa*

3.4.2 Shire of Chapman Valley Local Planning Scheme No 3.

Lot 4 is reserved as Civic & Community in the Scheme. The objectives of the scheme for the reserve:

- *"To provide for a range of community facilities which are compatible with surrounding development.*
- *To provide for public facilities such as halls, theatres, art galleries, educational, health and social care facilities, accommodation for the aged, and other services by organizations involved in activities for community benefit."*

The reserve listing does not allow for development of other land uses. As detailed, the Church is surplus to the Diocese needs and is expected to be sold. Therefore, an appropriate land use zone is required that will allow for residential use, or other uses appropriate to the location.
Irrespective of the final land use, the proposed Residential zoning will allow for development only which is compatible with the adjoining residential zone and function. It will also ensure a consideration of the conservation of the built fabric of the Church building and its incorporation into future use.

This outcome ensures the scheme objectives for the residential zone are fully met:

- *To provide for a range of housing and a choice of residential densities to meet the needs of the community.*
- *To facilitate and encourage high quality design, built form and streetscapes throughout residential areas.*
- *To provide for a range of non-residential uses, which are compatible with and complementary to residential development.*

A Place of Worship is not a permitted use in the Residential zone. A single or grouped dwelling is a permitted use in the Residential zone together with a limited range of other uses that are deemed to be low impact, and compatible with other uses in the residential zone.

Residential development will be in accordance with the Residential Design Codes and National Construction Codes.

3.4.3 Shire of Chapman Valley Heritage Inventory

The Church of St Bartholemew is included in the local government Heritage Inventory (Place No 39 and corresponding Place 06412 HCWA listing).

The Church is identified as having local significance and makes an *"Important contribution to the built environment of the Nabawa townsite."*

Management category 4 applies, where conservation of the place is desirable.

As the Church is now surplus to the requirements of the Diocese, the property is to be marketed for sale. The proposed zoning amendment will enable change of use to be contemplated. This will require planning application to the local government and, as a part of that process will require a consideration of conservation of the built fabric, with development cognisant of the heritage value of the Place.

The Heritage Inventory extract for Place No 39 is included at **Appendix B.**

4.0 PROPOSED SCHEME AMENDMENT

4.1 The Proposal

The Scheme Amendment application proposes:

1. Rezone Lot 4 in entirety to Residential with density of R10.

   The amendment from Reservation that is now outdated, to a land use Zone is consistent with the requirements of the statutory planning environment to ensure:

   (i) Implementation an appropriate land use zone and therefore, commensurate permissibility for residential development or other compatible development on the lot.
   (ii) To ensure that an appropriate set of development provisions to guide new development are applicable.

   The applicable development provisions for the Residential zone will ensure future development pays regard to both the heritage value of the place, and the streetscape created by conservation and redevelopment of the property.

   The zoning of the landholding following amendment is indicated in **Figure 9 (Plan 21225PZ)**.

4.2 Justification

4.2.1 Orderly and Proper Planning

The Church on Lot 4 is no longer used for ecclesiastical purposes and suffered significant damage from Cyclone Seroja. The Diocese have determined that the property is surplus to their requirements and can be sold.

Appropriate land use permissibility is required to be in place prior to the sale of the property, to allow for potential change of use, within the guidance provided in the local government municipal inventory for the built place.

4.2.2 Location and suitability for residential development

The land is located within the existing Nabawa Townsite in the established residential precinct. The lot is serviced with reticulated services suitable for residential development and good road access. On-site effluent disposal can be contemplated for the lot as prescribed in the State government sewerage policy. It is not expected that potential change of use will generate additional burden on the local government for services or resources.

It is expected that the built fabric will be retained with potential to be converted to a dwelling or other permitted use. This will maintain the important heritage and streetscape value of the built fabric in the community.

4.2.3 Consistency with Local Planning Strategy

The scheme amendment is consistent with the Shire of Chapman Valley Local Planning Strategy, which identifies the lot within the residential precinct in the Nabawa townsite.

5.0 CONCLUSION

The Church of St Bartholomew building on the subject site is surplus to the needs of the Diocese. The current land use reservation does not allow for the to be used for other non-public purposes. The objective of the scheme amendment is to provide for suitable zoning and development provisions for the subject site as currently exist for the surrounding Nabawa townsite's low density housing areas. This will enable the physical infrastructure in the Church to be converted to another use, which will ensure the built infrastructure is conserved for future use.

The proposal is consistent with the planning framework, particularly the local planning strategy which provides for the development and expansion of the Nabawa townsite and to encourage and protect places of historic significance.

The scheme amendment is of minor local significance and will have no negative economic, environmental, or social impacts on the Nabawa townsite or the local government.

APPENDIX 1
CERTIFICATE OF TITLE 1214/423

WESTERN AUSTRALIA

REGISTER NUMBER	
4/D23181	
DUPLICATE EDITION	DATE DUPLICATE ISSUED
N/A	N/A

VOLUME 1214 FOLIO 423

RECORD OF CERTIFICATE OF TITLE

UNDER THE TRANSFER OF LAND ACT 1893

The person described in the first schedule is the registered proprietor of an estate in fee simple in the land described below subject to the reservations, conditions and depth limit contained in the original grant (if a grant issued) and to the limitations, interests, encumbrances and notifications shown in the second schedule.

BGRoberts

REGISTRAR OF TITLES

REGISTRAR OF TITLES WESTERN AUSTRALIA

LAND DESCRIPTION:

LOT 4 ON DIAGRAM 23181

REGISTERED PROPRIETOR:
(FIRST SCHEDULE)

TRUSTEES OF THE NORTHERN DIOCESE OF CHURCH OFFICE, ST. GEORGES BUILDING, CATHEDERAL AVENUE, GERALDTON

(A A2759/1962) REGISTERED 14/6/1962

LIMITATIONS, INTERESTS, ENCUMBRANCES AND NOTIFICATIONS:
(SECOND SCHEDULE)

1. *C2246/1958 CAVEAT BY THE REGISTRAR OF TITLES LODGED 26/9/1958.

Warning: A current search of the sketch of the land should be obtained where detail of position, dimensions or area of the lot is required.
* Any entries preceded by an asterisk may not appear on the current edition of the duplicate certificate of title.
Lot as described in the land description may be a lot or location.

----------END OF CERTIFICATE OF TITLE----------

STATEMENTS:

The statements set out below are not intended to be nor should they be relied on as substitutes for inspection of the land and the relevant documents or for local government, legal, surveying or other professional advice.

SKETCH OF LAND:	1214-423 (4/D23181)
PREVIOUS TITLE:	654-22
PROPERTY STREET ADDRESS:	NO STREET ADDRESS INFORMATION AVAILABLE.
LOCAL GOVERNMENT AUTHORITY:	SHIRE OF CHAPMAN VALLEY

LANDGATE COPY OF ORIGINAL NOT TO SCALE 12/05/2021 03:55 PM Request number: 62004393

Landgate
www.landgate.wa.gov.au

APPENDIX 2
MUNICIPAL INVENTORY PLACE NO 39

PLACE NUMBER 39

ST BARTHOLEMEW'S ANGLICAN CHURCH

PLACE DETAILS

Place Number:	39
Management Category:	4
Name:	St Bartholemew's Anglican Church
Other Name:	-
Type of Place:	Church
Street Address:	Lot 4 Post Office Lane, Nabawa

PHOTOGRAPH



Description: Small church with simple detailing. Date of Photo: 22/11/2010

SITE DETAILS

Lot/Location:	4	Street Number:	N/A
Street Name:	Post Office Lane	Locality Name:	Nabawa
Diagram/Plan:	D23181	Volume/Folio:	1214-423
Reserve No/Vesting:	N/A	Purpose:	N/A
Assess No:	A1367	HCWA No:	6412
GPS Coordinates:	28 49 86(s), 114 79 13(e)	Area of Site:	0.1012ha
Occupied:	No	Public Access:	Open

USES OF THE PLACE

Original Use:	Church	Current Use:	Church

DESCRIPTION

Walls:	Brick	Roof:	Concrete Tiles
Condition:	Good	Integrity:	High
Original Fabric:	Good	Modifications:	None

Centrally located in the town of Nabawa, this simple salmon brick building has a steeply pitched gable roof clad with green concrete tiles. The building has timber window frames and double timber entry doors to the side of the front porch. There is a feature brick cross to the gable end, while a cut out cross features to the timber lining of the entry porch. A metal pole and wire mesh fence marks the street boundary, while a small bell tower is located immediately inside the fenceline.

HISTORY

Construction Date:	1959	Source:	The Geraldton Guardian
Architect:	Henderson & Thompson	Builder:	Geraldton Building Company

The first Anglican Church to be built at Nabawa was situated immediately north of the cemetery. The Roman Catholic Church was also located nearby. Following a cyclone the building was declared unfit for use, the services being held in the Nabawa Hall until the present church was built. The land on which the church is built was donated by Mr S.E. Gould. Designed by architects Henderson and Thompson and erected at a cost of 3,680 pounds, the church was dedicated in December 1959, by His Lordship the Bishop of the North-West, the Right Reverend J. Frewer. When the Roman Catholic Church fell into disuse another one was built in Nanson.

HISTORIC THEME(S)

HCWA		AHC	
406	Religion	8.6	Worshipping
		8.6.4	Making places for worship

STATEMENT OF SIGNIFICANCE

St Bartholemew's Anglican Church has some local historic and social significance for its role in the religious activities of the local community since 1959. The church makes an important contribution to the built environment of the Nabawa townsite.

MANAGEMENT CATEGORY

Category:	4
Level of Significance:	SOME SIGNIFICANCE. Contributes to the heritage and/or historical development of the locality.
Management Recommendation:	Conservation of the place is desirable. Any proposed change to the place should be in sympathy with the heritage values of the place.

OTHER LISTINGS

Nil.

SUPPORTING INFORMATION / REFERENCES

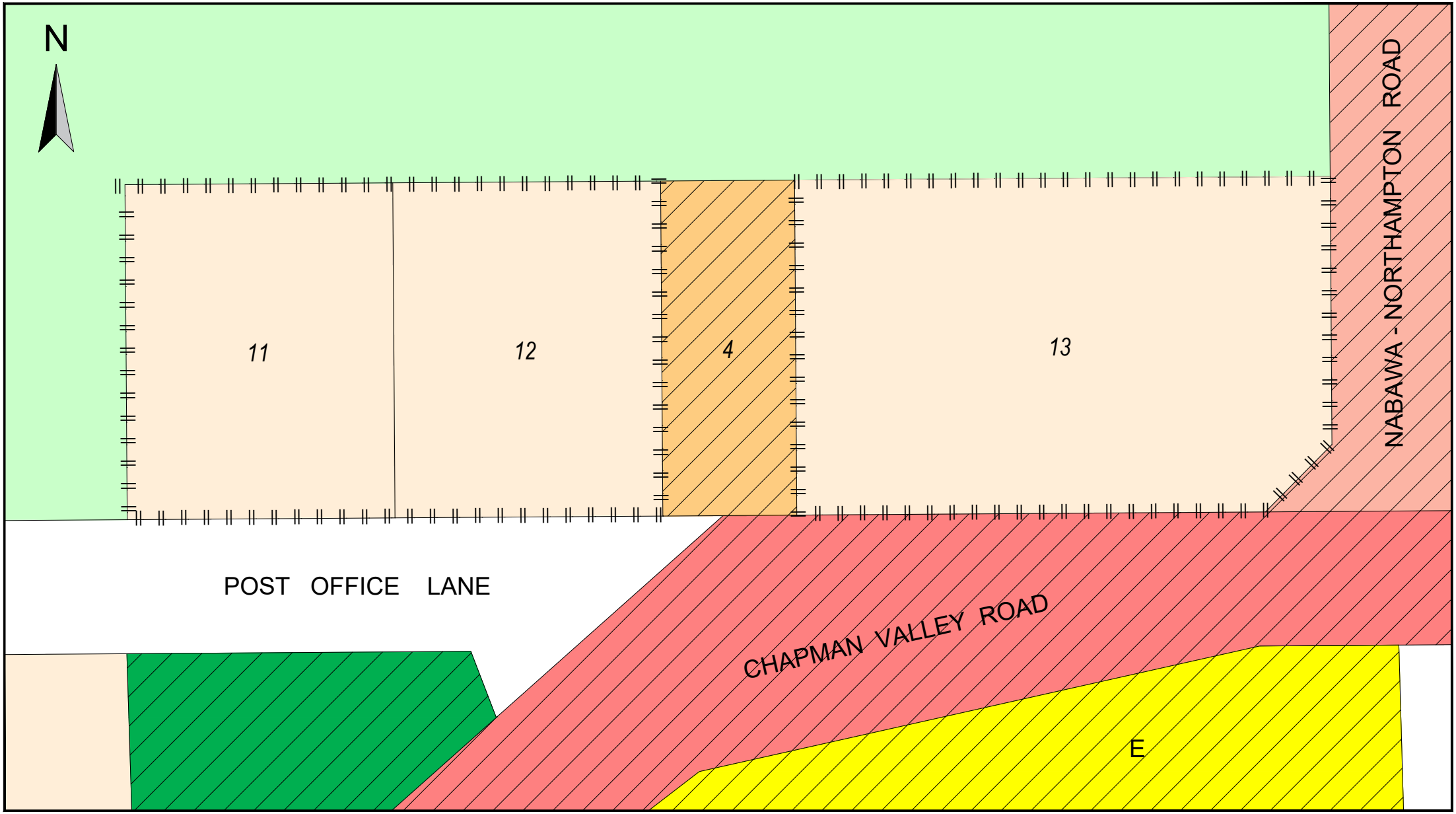
The Geraldton Guardian, 22/12/1959, P.15.

Assessment Date: 18/2/1993 Last Revision Date: 17/10/2012

ADDITIONAL PHOTOGRAPHS

Description: Established pencil pines a feature of the garden. Date of Photo: 18/02/1993





EDUCATION | RURAL | PUBLIC OPEN SPACE | CIVIC AND COMMUNITY | R 10 | PRIMARY DISTRIBUTOR ROAD | LOCAL DISTRIBUTOR ROAD

TITLE: EXISTING ZONING:
RESERVE CIVIC & COMMUNITY
LOT 4 ON DIAGRAM 23181
POST OFFICE LANE, NABAWA

Ordinary Council Meeting

CLIENT: TRUSTEES OF THE DIOCESE OF WESTERN AUSTRALIA

CERTIFICATE OF TITLE(S): 1214/423

DATE LAST MODIFIED: 03/06/2022

June 2022

SCALE: 1:750 @A4

* This plan remains the property of Landwest and must not be used for any purpose other than which it was prepared for, in relation to the land duly described, Landwest accepts no responsibility for any losses or damages caused to any person/s who may use the information for a purpose for which it was not intended.

LANDWEST
URBAN AND RURAL PLANNING CONSULTANTS
8 Anzac Terrace Geraldton WA 6530
PO BOX 1597 Geraldton WA 6531
Email : info@landwest.net.au
Phone : (08) 9965 0550
Fax : (08) 9965 0559

REV:	DATE:	DETAILS:	BY:	APPROVED:

APPROVED:

DESIGNED: GMB DRAWN: DW

PLAN: 21225EZ Figure 8

Planning and Development Act 2005

Resolution to Adopt Amendment to Local Planning Scheme

Shire of Chapman Valley

Local Planning Scheme No. 3

Amendment No. 1

RESOLVED that the Local Government pursuant of Section 75 of the *Planning and Development Act 2005*, amend the above Local Planning Scheme by –

1. Rezoning Lot 4 Diagram 23181 Post Office Lane, Nabawa from Local Scheme Reserve 'Civic and Community' to 'Residential R10'.

2. Modify the Scheme Maps accordingly.

The Amendment is defined as standard under the provisions of Section 34 of *Planning and Development (Local Planning Schemes) Regulations 2015* for the following reasons:

1. The amendment relates to a zone or reserve that is consistent with the objectives identified in the scheme for that zone or reserve.

2. The amendment is consistent with the local planning strategy for the scheme that has been endorsed by the Commission.

3. The amendment will have minimal impact on land in the scheme area that is not the subject of the amendment.

4. The amendment will not result in any significant environmental, social, economic or governance impacts on land in the scheme area.

Form 6B

COUNCIL ADOPTION

This Basic Amendment was adopted and is recommended for approval by resolution of the Council of the Shire of Chapman Valley at the Ordinary Meeting of the Council held on the _____ day of _____, 2022 and the Common Seal of the Shire of Northampton was hereunto affixed by the authority of a resolution of the Council in the presence of:

_____

SHIRE PRESIDENT

_____

CHIEF EXECUTIVE OFFICER

WAPC ENDORSEMENT (r.63)

_____

DELEGATED UNDER S.16 OF

THE P&D ACT 2005

DATE _____

APPROVAL GRANTED

_____

MINISTER FOR PLANNING

DATE _____

SHIRE OF CHAPMAN VALLEY

MONTHLY FINANCIAL REPORT
(Containing the Statement of Financial Activity)
FOR THE PERIOD ENDED 30 APRIL 2022

LOCAL GOVERNMENT ACT 1995
LOCAL GOVERNMENT (FINANCIAL MANAGEMENT) REGULATIONS 1996

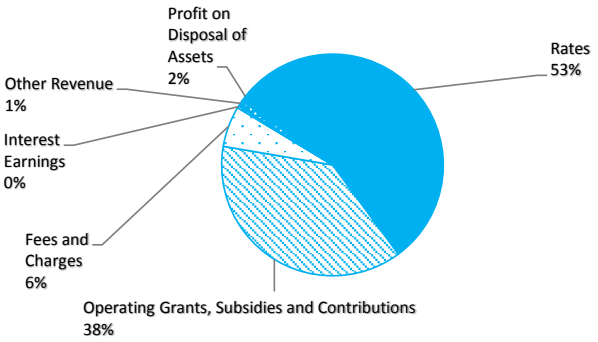
TABLE OF CONTENTS

Statement of Financial Activity by Program		5
Statement of Financial Activity by Nature or Type		7
Basis of Preparation		8
Note 1	Statement of Financial Activity Information	9
Note 2	Capital Acquisitions	16
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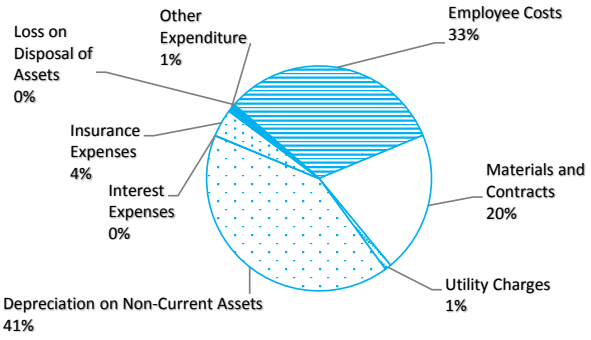
SUMMARY INFORMATION - GRAPHS

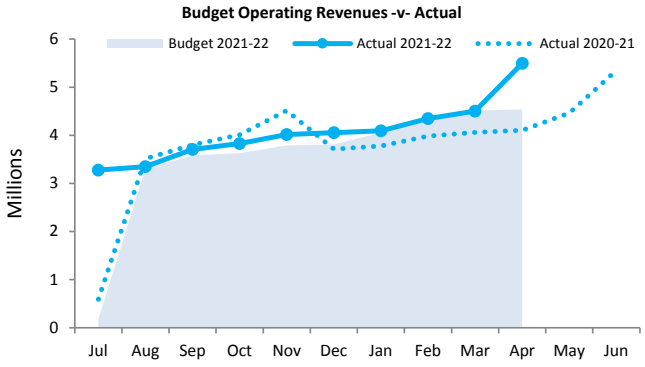
OPERATING ACTIVITIES

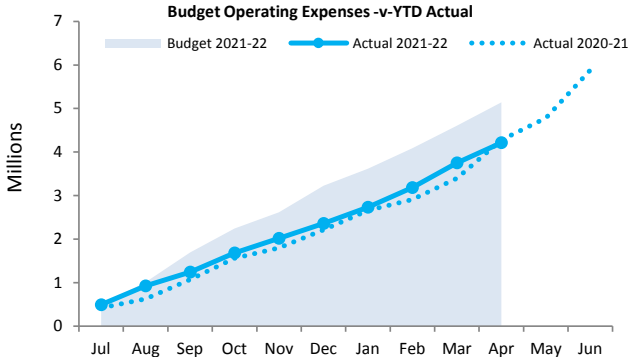
OPERATING REVENUE



OPERATING EXPENSES

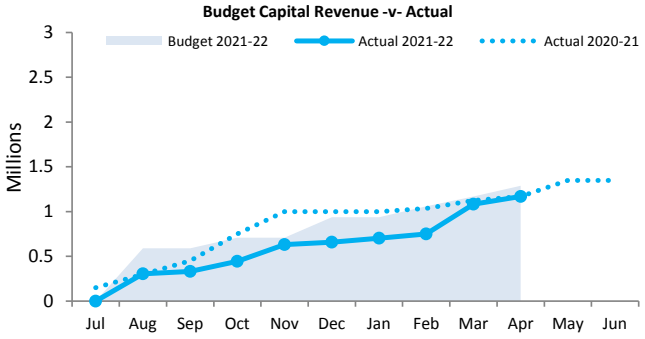




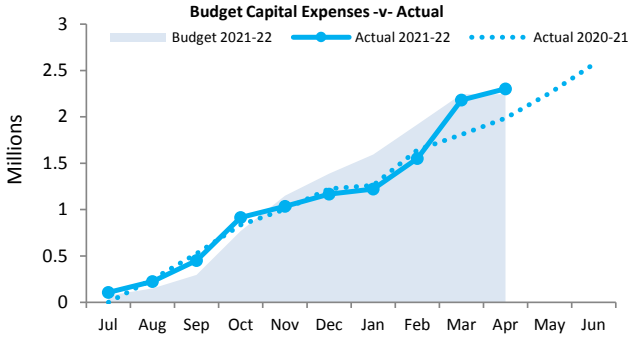


INVESTING ACTIVITIES

CAPITAL REVENUE

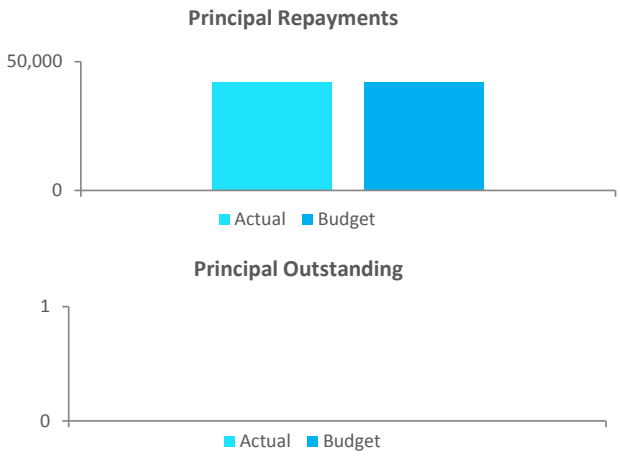


CAPITAL EXPENSES

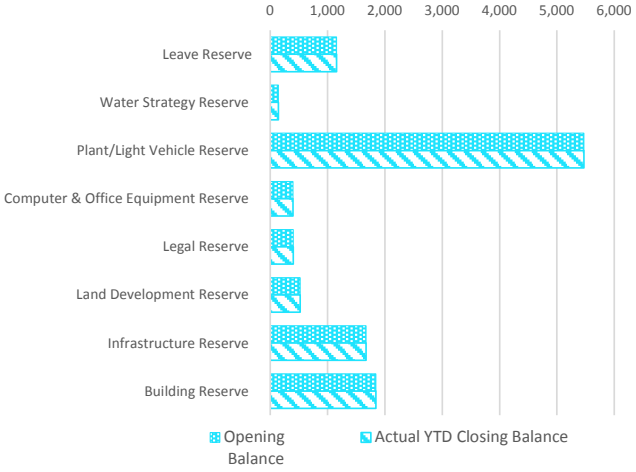


FINANCING ACTIVITIES

BORROWINGS



RESERVES



This information is to be read in conjunction with the accompanying Financial Statements and Notes.

EXECUTIVE SUMMARY

Funding surplus / (deficit) Components

Funding surplus / (deficit)

	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)
Opening	$1.78 M	$1.78 M	$1.78 M	$0.00 M
Closing	$0.00 M	$2.24 M	$3.64 M	$1.40 M

Refer to Statement of Financial Activity

Cash and cash equivalents

	$4.50 M	% of total
Unrestricted Cash	$3.34 M	74.2%
Restricted Cash	$1.16 M	25.8%

Refer to Note 2 - Cash and Financial Assets

Payables

	$0.18 M	% Outstanding
Trade Payables	$0.02 M	
0 to 30 Days		98.9%
30 to 90 Days		1.1%
Over 90 Days		0%

Refer to Note 5 - Payables

Receivables

	$0.44 M	% Collected
Rates Receivable	$0.21 M	93%
Trade Receivable	$0.23 M	% Outstanding
30 to 90 Days		90.8%
Over 90 Days		8%

Refer to Note 3 - Receivables

Key Operating Activities

Amount attributable to operating activities

Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)
$0.66 M	$0.95 M	$2.93 M	$1.98 M

Refer to Statement of Financial Activity

Rates Revenue

YTD Actual	$2.94 M	% Variance
YTD Budget	$2.94 M	0.1%

Refer to Note 6 - Rate Revenue

Operating Grants and Contributions

YTD Actual	$2.08 M	% Variance
YTD Budget	$1.22 M	70.0%

Refer to Note 13 - Operating Grants and Contributions

Fees and Charges

YTD Actual	$0.33 M	% Variance
YTD Budget	$0.28 M	15.5%

Refer to Statement of Financial Activity

Key Investing Activ Date prepared: All known transactions up to 31 August 2021

Amount attributable to investing activities

Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)
($2.27 M)	($0.87 M)	($1.02 M)	($0.15 M)

Refer to Statement of Financial Activity

Proceeds on sale

YTD Actual	$0.12 M	%
Amended Budget	$0.13 M	(8.7%)

Refer to Note 7 - Disposal of Assets

Asset Acquisition

YTD Actual	$2.30 M	% Spent
Amended Budget	$3.93 M	(41.4%)

Refer to Note 8 - Capital Acquisitions

Capital Grants

YTD Actual	$1.17 M	% Received
Amended Budget	$1.53 M	(23.5%)

Refer to Note 8 - Capital Acquisitions

Key Financing Activities

Amount attributable to financing activities

Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)
($0.17 M)	$0.37 M	($0.05 M)	($0.42 M)

Refer to Statement of Financial Activity

Borrowings

Principal repayments	$0.04 M
Interest expense	$0.00 M
Principal due	$0.00 M

Refer to Note 9 - Borrowings

Reserves

Reserves balance	$1.16 M
Interest earned	$0.00 M

Refer to Note 11 - Cash Reserves

Lease Liability

Principal repayments	$0.01 M
Interest expense	$0.00 M
Principal due	$0.05 M

Refer to Note 10 - Lease Liabilites

This information is to be read in conjunction with the accompanying Financial Statements and notes.

KEY TERMS AND DESCRIPTIONS

FOR THE PERIOD ENDED 30 APRIL 2022

STATUTORY REPORTING PROGRAMS

Shire operations as disclosed in these financial statements encompass the following service orientated activities/programs.

PROGRAM NAME AND OBJECTIVES	ACTIVITIES
GOVERNANCE	
To provide a decision making process for the efficient allocation of scarce resources	Administration and Operation of facilities and services to members of council; Includes fees, expenses and allowances paid to elected and committee members, election costs, insurance, subscription, conference expenses, council chamber expenses and members' entertainment. Also includes the allocation of administration expenses for the CEO and staff in preparation, administration and attendance at meetings and assisting elected members and other committees of Council. Research, development and preparation of policy documents, development of local laws, strategic planning, principal activity plans, annual budgets, annual financial reports, audit fees and the annual report.
GENERAL PURPOSE FUNDING	
To collect revenue to allow for the provision of services.	Revenue from rates levied, interest and fees on instalment arrangements and arrears, government subsidy for entitled pensioners and rates deferred, less discounts and concessions relating to rates levied. Expenditures incurred in administration and maintaining rate records, rating valuations, serving notices, postage, stationery, advertising, debt collection, printing, indirect administration costs etc. Income receivable from the WA Grants Commission and any other Government Grant of a general purpose nature. Interest earnings from deposits and investments, including reserve accounts. General overdraft expenses.
LAW, ORDER, PUBLIC SAFETY	
To provide services to help ensure a safer and environmentally conscious community.	Administration and operations on fire prevention services, including volunteer fire brigades, outlays on roadside clearing operations and other protective burning. Revenues include fines and penalties imposed under relevant Acts and fines, fees or charges for clearing fire breaks. Administration enforcement and operations relating to the control of animals. Costs of impounding, destroying and disposal of stray animals. Revenues include dog registration fees, fines and penalties relating to straying animals, impounding and destruction fees. Ranger's expenses are collected here and apportioned throughout the various programs to which they relate.
HEALTH	
To provide an operational framework for environmental and community health.	Food quality and pest control, inspections of eating houses, lodging and boarding houses, itinerant food vendors, offensive trade, and any other outlays concerned with general health inspections and administration services provided by the Council.
EDUCATION AND WELFARE	
To provide services to disadvantaged persons, the elderly, children and youth.	Operation, improvements and maintenance of pre-school facilities; assistance to playgroups and other voluntary services. Annual awards and prizes to Nabawa and Yuna Primary Schools.
HOUSING	
To provide and maintain residential housing for staff, with the surplus available for private rental.	Collection of revenue and expenditure in respect of the administration and operation of residential housing for council staff. The expenditure is reallocated to the relevant programmes using staff duties as a basis.
COMMUNITY AMENITIES	
To provide services required by the community.	Administration and operation of domestic refuse collection and disposal services, including delivery to a regional disposal site. Provision and maintenance of rubbish disposal sites. Collection and disposal of public litter bins, special rubbish clean ups, special litter enforcement and control. Includes administration and operation of foreshore protection project. Administration and operation of town planning and regional development services. These include planning control, the preparation of town planning development schemes, zoning and rezoning. Costs associated with resumption of land for recreational purposes. Hosting of a Natural Resource Management Officer to assist community groups and landowners.
RECREATION AND CULTURE	
To establish and effectively manage infrastructure and resources which will help the social well being of the community.	Administration, provision and operation of public halls, community centre, sporting complex, ovals, swimming areas and beaches. Includes contributions towards operations, subsidies and improvements of sporting clubs, sporting facilities and recreational areas. Administration, provision and operation of local libraries and library services. Contributions towards heritage issues such as municipal inventory, local Historical society operations - museum development/improvement etc.
TRANSPORT	
To provide safe, effective and efficient transport services to the community.	Construction and maintenance of streets, roads, bridges; cleaning and lighting of streets and maintenance of depots. Purchase of plant used predominantly for the construction and maintenance of streets, roads, bridges etc. Operations relating to the licensing or regulating of traffic under the control of the local government; includes vehicle registration and renewals facilities.
ECONOMIC SERVICES	
To help promote the shire and its economic wellbeing.	Eradication of noxious weeds and control of vermin. The development, promotion, support etc. of tourism and area promotion to attract tourists. Administration, inspection and operations concerned with application of the building standards including examination, processing and inspections services, swimming pool inspections etc. Revenues and outlays associated with water supply - standpipes.
OTHER PROPERTY AND SERVICES	
To monitor and control council's overheads operating accounts.	Administration, inspection, and operation of work carried out on property or services not under the care, control and management of the Council. These include road works on private property. Public Works Overheads - Overheads incurred as the result of the use of direct labour, which is subsequently apportioned to the appropriate works and services absorbing the total expenditure. Includes expenditure incurred in the maintenance and operation of plant, Council's hire rate absorbing the total expenditure of plant running costs and usage. The total salaries and wages incurred during the year is recorded here and allocated over the various works and services to which it relates.

STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 30 APRIL 2022

STATUTORY REPORTING PROGRAMS

	Ref Note	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)	Var. % (b)-(a)/(a)	Var.
		$	$	$	$	%	
Opening funding surplus / (deficit)	1(c)	1,779,565	1,779,565	**1,779,565**	0	0.00%	
Revenue from operating activities							
Governance		1,200	1,000	**5,687**	4,687	468.70%	
General purpose funding - general rates	6	2,937,703	2,937,703	**2,940,404**	2,701	0.09%	
General purpose funding - other		615,817	365,448	**1,438,526**	1,073,078	293.63%	▲
Law, order and public safety		263,460	210,072	**167,644**	(42,428)	(20.20%)	▼
Health		5,007	4,535	**5,442**	907	20.00%	
Community amenities		184,259	179,032	**188,918**	9,886	5.52%	
Recreation and culture		1,057,644	315,520	**194,931**	(120,589)	(38.22%)	▼
Transport		619,546	452,966	**492,190**	39,224	8.66%	
Economic services		23,430	20,160	**22,396**	2,236	11.09%	
Other property and services		81,000	51,830	**40,860**	(10,970)	(21.17%)	▼
		5,789,066	**4,538,266**	**5,496,998**	958,732		
Expenditure from operating activities							
Governance		(497,202)	(279,719)	**(279,720)**	(1)	(0.00%)	
General purpose funding		(125,533)	(104,351)	**(82,271)**	22,080	21.16%	▲
Law, order and public safety		(449,952)	(325,318)	**(200,334)**	124,984	38.42%	▲
Health		(31,390)	(24,490)	**(14,261)**	10,229	41.77%	▲
Community amenities		(793,386)	(605,702)	**(477,952)**	127,750	21.09%	▲
Recreation and culture		(1,190,290)	(1,010,871)	**(684,231)**	326,640	32.31%	▲
Transport		(3,500,990)	(2,445,258)	**(2,170,451)**	274,807	11.24%	▲
Economic services		(371,471)	(297,994)	**(240,660)**	57,334	19.24%	▲
Other property and services		(63,499)	(48,745)	**(63,809)**	(15,064)	(30.90%)	▼
		(7,023,713)	**(5,142,448)**	**(4,213,689)**	928,759		
Non-cash amounts excluded from operating activities	1(a)	1,893,922	1,555,734	**1,644,867**	89,133	5.73%	
Amount attributable to operating activities		**659,275**	**951,552**	**2,928,176**	1,976,624		
Investing Activities							
Proceeds from non-operating grants, subsidies and contributions	14	1,528,260	1,288,260	**1,169,704**	(118,556)	(9.20%)	
Proceeds from disposal of assets	7	126,000	90,000	**115,000**	25,000	27.78%	▲
Payments for property, plant and equipment and infrastructure	8	(3,927,804)	(2,244,467)	**(2,303,432)**	(58,965)	(2.63%)	
Amount attributable to investing activities		**(2,273,544)**	**(866,207)**	**(1,018,728)**	(152,521)		
Financing Activities							
Transfer from reserves	11	378,000	378,000	**0**	(378,000)	(100.00%)	▼
Payments for principal portion of lease liabilities	10	(7,686)	(5,745)	**(5,745)**	0	0.00%	
Repayment of debentures	9	0	0	**(42,125)**	(42,125)	0.00%	▼
Transfer to reserves	11	(535,610)	(97)	**(97)**	0	0.00%	
Amount attributable to financing activities		**(165,296)**	**372,158**	**(47,967)**	(420,125)		
Closing funding surplus / (deficit)	1(c)	**0**	**2,237,068**	**3,641,046**			

KEY INFORMATION

▲▼ Indicates a variance between Year to Date (YTD) Actual and YTD Actual data as per the adopted materiality threshold.
Refer to Note 16 for an explanation of the reasons for the variance.
The material variance adopted by Council for the 2021-22 year is $10,000 or 10.00% whichever is the greater.
This statement is to be read in conjunction with the accompanying Financial Statements and notes.

KEY TERMS AND DESCRIPTIONS
FOR THE PERIOD ENDED 30 APRIL 2022

NATURE OR TYPE DESCRIPTIONS

REVENUE

RATES
All rates levied under the *Local Government Act 1995.* Includes general, differential, specified area rates, minimum rates, interim rates, back rates, ex-gratia rates, less discounts and concessions offered. Exclude administration fees, interest on instalments, interest on arrears, service charges and sewerage rates.

OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS
Refers to all amounts received as grants, subsidies and contributions that are not non-operating grants.

NON-OPERATING GRANTS, SUBSIDIES AND CONTRIBUTIONS
Amounts received specifically for the acquisition, construction of new or the upgrading of identifiable non financial assets paid to a local government, irrespective of whether these amounts are received as capital grants, subsidies, contributions or donations.

REVENUE FROM CONTRACTS WITH CUSTOMERS
Revenue from contracts with customers is recognised when the local government satisfies its performance obligations under the contract.

FEES AND CHARGES
Revenues (other than service charges) from the use of facilities and charges made for local government services, sewerage rates, rentals, hire charges, fee for service, photocopying charges, licences, sale of goods or information, fines, penalties and administration fees. Local governments may wish to disclose more detail such as rubbish collection fees, rental of property, fines and penalties, other fees and charges.

SERVICE CHARGES
Service charges imposed under *Division 6 of Part 6 of the Local Government Act 1995. Regulation 54 of the Local Government (Financial Management) Regulations 1996* identifies these as television and radio broadcasting, underground electricity and neighbourhood surveillance services. Exclude rubbish removal charges. Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

INTEREST EARNINGS
Interest and other items of a similar nature received from bank and investment accounts, interest on rate instalments, interest on rate arrears and interest on debtors.

OTHER REVENUE / INCOME
Other revenue, which can not be classified under the above headings, includes dividends, discounts, rebates etc.

PROFIT ON ASSET DISPOSAL
Excess of assets received over the net book value for assets on their disposal.

EXPENSES

EMPLOYEE COSTS
All costs associate with the employment of person such as salaries, wages, allowances, benefits such as vehicle and housing, superannuation, employment expenses, removal expenses, relocation expenses, worker's compensation insurance, training costs, conferences, safety expenses, medical examinations, fringe benefit tax, etc.

MATERIALS AND CONTRACTS
All expenditures on materials, supplies and contracts not classified under other headings. These include supply of goods and materials, legal expenses, consultancy, maintenance agreements, communication expenses, advertising expenses, membership, periodicals, publications, hire expenses, rental, leases, postage and freight etc. Local governments may wish to disclose more detail such as contract services, consultancy, information technology, rental or lease expenditures.

UTILITIES (GAS, ELECTRICITY, WATER, ETC.)
Expenditures made to the respective agencies for the provision of power, gas or water. Exclude expenditures incurred for the reinstatement of roadwork on behalf of these agencies.

INSURANCE
All insurance other than worker's compensation and health benefit insurance included as a cost of employment.

LOSS ON ASSET DISPOSAL
Shortfall between the value of assets received over the net book
Date prepared: All known transactions up to 31 August 2021

DEPRECIATION ON NON-CURRENT ASSETS
Depreciation expense raised on all classes of assets.

INTEREST EXPENSES
Interest and other costs of finance paid, including costs of finance for loan debentures, overdraft accommodation and refinancing expenses.

OTHER EXPENDITURE
Statutory fees, taxes, allowance for impairment of assets, member's fees or State taxes. Donations and subsidies made to community groups.

STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 30 APRIL 2022

BY NATURE OR TYPE

	Ref Note	Amended Budget	YTD Budget (a)	YTD Actual (b)	Var. $ (b)-(a)	Var. % (b)-(a)/(a)	Var.
		$	$	$	$	%	
Opening funding surplus / (deficit)	1(c)	1,779,565	1,779,565	**1,779,565**	0	0.00%	
Revenue from operating activities							
Rates	6	2,937,703	2,937,703	**2,940,404**	2,701	0.09%	
Operating grants, subsidies and contributions	13	2,319,266	1,222,480	**2,078,710**	856,230	70.04%	▲
Fees and charges		305,236	283,187	**326,976**	43,789	15.46%	▲
Interest earnings		13,475	12,060	**16,892**	4,832	40.07%	
Other revenue		153,380	22,830	**47,160**	24,330	106.57%	▲
Profit on disposal of assets	7	60,006	60,006	**86,856**	26,850	44.75%	▲
		5,789,066	**4,538,266**	**5,496,998**	958,732		
Expenditure from operating activities							
Employee costs		(2,246,397)	(1,740,719)	**(1,362,881)**	377,838	21.71%	▲
Materials and contracts		(2,454,638)	(1,471,256)	**(855,369)**	615,887	41.86%	▲
Utility charges		(59,103)	(43,590)	**(38,849)**	4,741	10.88%	
Depreciation on non-current assets		(1,938,889)	(1,615,740)	**(1,738,090)**	(122,350)	(7.57%)	
Interest expenses		(3,336)	(2,916)	**(1,877)**	1,039	35.63%	
Insurance expenses		(184,419)	(184,327)	**(166,730)**	17,597	9.55%	
Other expenditure		(136,931)	(83,900)	**(49,893)**	34,007	40.53%	▲
Loss on disposal of assets	7	0	0	**0**	0	0.00%	
		(7,023,713)	**(5,142,448)**	**(4,213,689)**	928,759		
Non-cash amounts excluded from operating activities	1(a)	1,893,922	1,555,734	**1,644,867**	89,133	5.73%	
Amount attributable to operating activities		**659,275**	**951,552**	**2,928,176**	1,976,624		
Investing activities							
Proceeds from non-operating grants, subsidies and contributions	14	1,528,260	1,288,260	**1,169,704**	(118,556)	(9.20%)	
Proceeds from disposal of assets	7	126,000	90,000	**115,000**	25,000	27.78%	▲
Payments for property, plant and equipment	8	(3,927,804)	(2,244,467)	**(2,303,432)**	(58,965)	(2.63%)	
		(2,273,544)	**(866,207)**	**(1,018,728)**	(152,521)		
Amount attributable to investing activities		**(2,273,544)**	**(866,207)**	**(1,018,728)**	(152,521)		
Financing Activities							
Transfer from reserves	11	378,000	378,000	**0**	(378,000)	(100.00%)	▼
Payments for principal portion of lease liabilities	10	(7,686)	(5,745)	**(5,745)**	0	0.00%	
Repayment of debentures	9	0	0	**(42,125)**	(42,125)	0.00%	▼
Transfer to reserves	11	(535,610)	(97)	**(97)**	0	0.00%	
Amount attributable to financing activities		**(165,296)**	**372,158**	**(47,967)**	(420,125)		
Closing funding surplus / (deficit)	1(c)	**0**	**2,237,068**	**3,641,046**			

KEY INFORMATION

▲▼ Indicates a variance between Year to Date (YTD) Actual and YTD Actual data as per the adopted materiality threshold.

Refer to Note 16 for an explanation of the reasons for the variance.

This statement is to be read in conjunction with the accompanying Financial Statements and Notes.

BASIS OF PREPARATION

The financial report has been prepared in accordance with Australian Accounting Standards (as they apply to local governments and not-for-profit entities) and interpretations of the Australian Accounting Standards Board, and the *Local Government Act 1995* and accompanying regulations.

The *Local Government Act 1995* and accompanying Regulations take precedence over Australian Accounting Standards where they are inconsistent.

The *Local Government (Financial Management) Regulations 1996* specify that vested land is a right-of-use asset to be measured at cost. All right-of-use assets (other than vested improvements) under zero cost concessionary leases are measured at zero cost rather than at fair value. The exception is vested improvements on concessionary land leases such as roads, buildings or other infrastructure which continue to be reported at fair value, as opposed to the vested land which is measured at zero cost. The measurement of vested improvements at fair value is a departure from AASB 16 which would have required the Shire to measure any vested improvements at zero cost.

Accounting policies which have been adopted in the preparation of this financial report have been consistently applied unless stated otherwise. Except for cash flow and rate setting information, the financial report has been prepared on the accrual basis and is based on historical costs, modified, where applicable, by the measurement at fair value of selected non-current assets, financial assets and liabilities.

THE LOCAL GOVERNMENT REPORTING ENTITY

All funds through which the Shire controls resources to carry on its functions have been included in the financial statements forming part of this financial report.

In the process of reporting on the local government as a single unit, all transactions and balances between those funds (for example, loans and transfers between funds) have been eliminated.

All monies held in the Trust Fund are excluded from the financial statements. A separate statement of those monies appears at Note 15 to these financial statements.

SIGNIFICANT ACCOUNTING POLICES

CRITICAL ACCOUNTING ESTIMATES

The preparation of a financial report in conformity with Australian Accounting Standards requires management to make judgements, estimates and assumptions that effect the application of policies and reported amounts of assets and liabilities, income and expenses.

The estimates and associated assumptions are based on historical experience and various other factors that are believed to be reasonable under the circumstances; the results of which form the basis of making the judgements about carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

GOODS AND SERVICES TAX

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office (ATO). Receivables and payables are stated inclusive of GST receivable or payable. The net amount of GST recoverable from, or payable to, the ATO is included with receivables or payables in the statement of financial position. Cash flows are presented on a gross basis. The GST components of cash flows arising from investing or financing activities which are recoverable from, or payable to, the ATO are presented as operating cash flows.

ROUNDING OFF FIGURES

All figures shown in this statement are rounded to the nearest dollar.

PREPARATION TIMING AND REVIEW

Date prepared: All known transactions up to 30th April 2022

NOTE 1
STATEMENT OF FINANCIAL ACTIVITY INFORMATION

(a) Non-cash items excluded from operating activities

The following non-cash revenue and expenditure has been excluded from operating activities within the Statement of Financial Activity in accordance with Financial Management Regulation 32.

Non-cash items excluded from operating activities	Notes	Amended Budget	YTD Budget (a)	YTD Actual (b)
		$	$	$
Adjustments to operating activities				
Less: Profit on asset disposals	7	(60,006)	(60,006)	(86,856)
Less: Fair value adjustments to financial assets		0	0	(2,998)
Movement in pensioner deferred rates		0	0	0
Movement in inventory		0	0	(3,184)
Movement in employee benefit provisions		15,039	0	0
Movement in contract liabilities		0	0	0
Movement in lease liabilities		0	0	(5,745)
Movement in other provisions		0	0	5,560
Add: Loss on asset disposals	7	0	0	0
Add: Loss on revaluation of non current assets		0	0	0
Add: Depreciation on assets		1,938,889	1,615,740	1,738,090
Total non-cash items excluded from operating activities		**1,893,922**	**1,555,734**	**1,644,867**

(b) Adjustments to net current assets in the Statement of Financial Activity

The following current assets and liabilities have been excluded from the net current assets used in the Statement of Financial Activity in accordance with *Financial Management Regulation* 32 to agree to the surplus/(deficit) after imposition of general rates.

		Last Year Closing	This Time Last Year	Year to Date
		30 June 2021	30 April 2021	30 April 2022
Adjustments to net current assets				
Less: Reserves - restricted cash	11	(1,160,486)	(805,203)	(1,160,583)
Add: Borrowings	9	42,125	45,996	0
Add: Provisions - employee	12	394,118	276,069	394,118
Add: Lease liabilities	10	7,686	633	1,941
Total adjustments to net current assets		**(716,557)**	**(482,505)**	**(764,524)**

(c) Net current assets used in the Statement of Financial Activity

Current assets				
Cash and cash equivalents	2	3,786,799	4,031,750	4,501,431
Rates receivables	3	97,209	118,110	211,276
Receivables	3	83,580	95,309	225,472
Other current assets	4	13,522	37,812	44,596
Less: Current liabilities				
Payables	5	(855,603)	(415,304)	(181,147)
Borrowings	9	(42,125)	0	0
Contract liabilities	12	(185,456)	(507,977)	0
Lease liabilities	10	(7,686)	(633)	(1,941)
Provisions	12	(394,118)	(435,584)	(394,118)
Less: Total adjustments to net current assets	1(b)	(716,557)	(482,505)	(764,524)
Closing funding surplus / (deficit)		**1,779,565**	**2,440,978**	**3,641,046**

CURRENT AND NON-CURRENT CLASSIFICATION

In the determination of whether an asset or liability is current or non-current, consideration is given to the time when each asset or liability is expected to be settled. Unless otherwise stated assets or liabilities are classified as current if expected to be settled within the next 12 months, being the Council's operational cycle.

OPERATING ACTIVITIES
NOTE 2
CASH AND FINANCIAL ASSETS

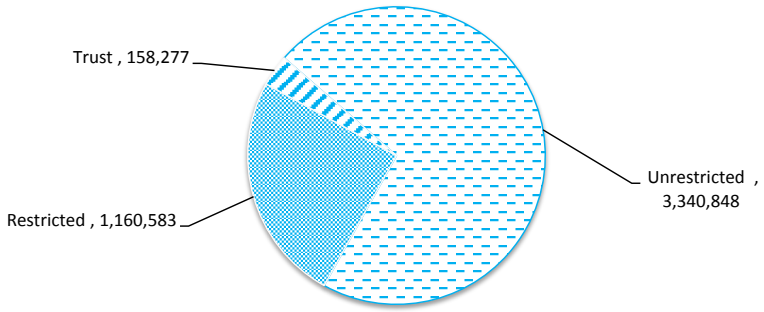
Description	Classification	Unrestricted	Restricted	Total Cash	Trust	Institution
		$	$	$	$	
Cash on hand						
Municipal Account	Cash and cash equivalents	64,686	0	64,686		Westpac Banking Corporation
Petty Cash	Cash and cash equivalents	700	0	700		Westpac Banking Corporation
Municipal Investment Account	Cash and cash equivalents	3,275,463	0	3,275,463		Westpac Banking Corporation
Leave Reserve	Cash and cash equivalents	0	115,725	115,725		Westpac Banking Corporation
Water Strategy Reserve	Cash and cash equivalents	0	14,246	14,246		Westpac Banking Corporation
Plant/Light Vehicle Reserve	Cash and cash equivalents	0	547,256	547,256		Westpac Banking Corporation
Computer & Office Equipment Reserve	Cash and cash equivalents	0	39,767	39,767		Westpac Banking Corporation
Legal Reserve	Cash and cash equivalents	0	40,040	40,040		Westpac Banking Corporation
Land Development Reserve	Cash and cash equivalents	0	52,106	52,106		Westpac Banking Corporation
Infrastructure Reserve	Cash and cash equivalents	0	167,238	167,238		Westpac Banking Corporation
Building Reserve	Cash and cash equivalents	0	184,205	184,205		Westpac Banking Corporation
Trust Account	Cash and cash equivalents	0	0	0	158,277	Westpac Banking Corporation
Total		**3,340,848**	**1,160,583**	**4,501,431**	**158,277**	
Comprising						
Cash and cash equivalents		3,340,848	1,160,583	4,501,431	158,277	
		3,340,848	**1,160,583**	**4,501,431**	**158,277**	

KEY INFORMATION

Cash and cash equivalents include cash on hand, cash at bank, deposits available on demand with banks and other short term highly liquid investments with original maturities of three months or less that are readily convertible to known amounts of cash and which are subject to an insignificant risk of changes in value and bank overdrafts. Bank overdrafts are reported as short term borrowings in current liabilities in the statement of net current assets.

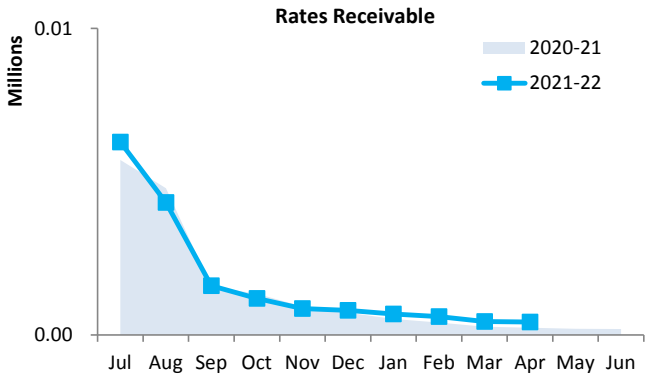
The local government classifies financial assets at amortised cost if both of the following criteria are met:
- the asset is held within a business model whose objective is to collect the contractual cashflows, and
- the contractual terms give rise to cash flows that are solely payments of principal and interest.

Financial assets at amortised cost held with registered financial institutions are listed in this note other financial assets at amortised cost are provided in Note 4 - Other assets.



OPERATING ACTIVITIES
NOTE 3
RECEIVABLES

Rates receivable	30 June 2021	30 Apr 2022
	$	$
Opening arrears previous years	89,683	97,209
Levied this year	2,854,496	2,940,404
Less - collections to date	(2,846,970)	2,826,337
Equals current outstanding	**97,209**	**211,276**
Net rates collectable	**97,209**	**211,276**
% Collected	96.7%	93%

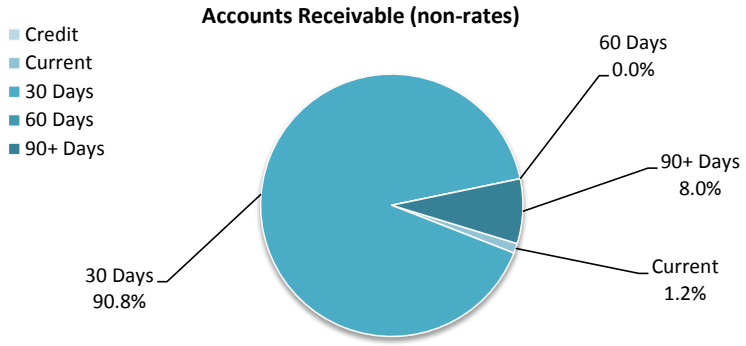


Receivables - general	Credit	Current	30 Days	60 Days	90+ Days	Total
	$	$	$	$	$	$
Receivables - general	0	2,644	198,110	0	17,387	218,141
Percentage	0.0%	1.2%	90.8%	0%	8%	
Balance per trial balance						
Sundry receivable						218,141
GST receivable						0
ESL receivable						7,331
Total receivables general outstanding						**225,472**

Amounts shown above include GST (where applicable)

KEY INFORMATION

Trade and other receivables include amounts due from ratepayers for unpaid rates and service charges and other amounts due from third parties for goods sold and services performed in the ordinary course of business. Receivables expected to be collected within 12 months of the end of the reporting period are classified as current assets. All other receivables are classified as non-current assets. Collectability of trade and other receivables is reviewed on an ongoing basis. Debts that are known to be uncollectible are written off when identified. An allowance for impairment of receivables is raised when there is objective evidence that they will not be collectible.



OPERATING ACTIVITIES
NOTE 4
OTHER CURRENT ASSETS

Other current assets	Opening Balance 1 July 2021	Asset Movement	Closing Balance 30 April 2022
	$	$	$
Inventory			
Stock on hand	5,141	3,184	8,325
Other current assets			
Prepayments	8,382	27,889	36,271
Total other current assets	**13,523**	**31,073**	**44,596**

Amounts shown above include GST (where applicable)

Inventory

Inventories are measured at the lower of cost and net realisable value.

Net realisable value is the estimated selling price in the ordinary course of business less the estimated costs of completion and the estimated costs necessary to make the sale.

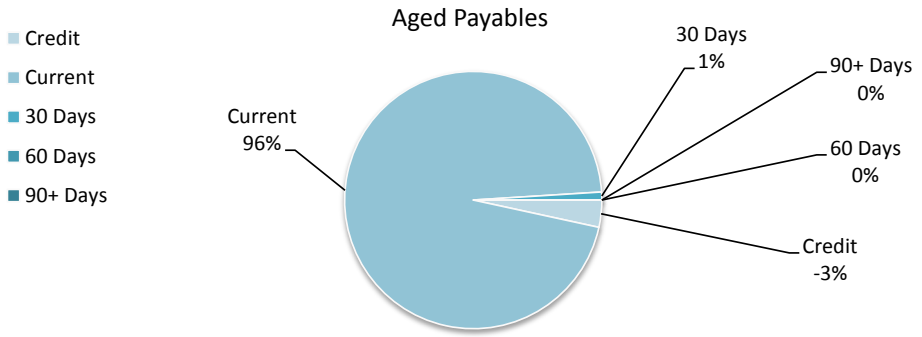
OPERATING ACTIVITIES
NOTE 5
Payables

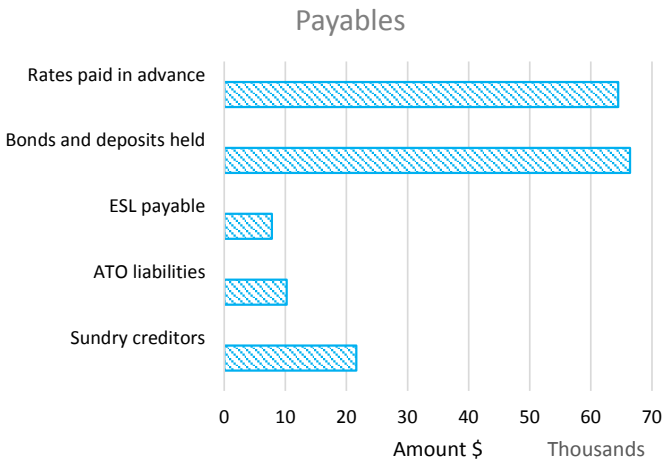
Payables - general	Credit	Current	30 Days	60 Days	90+ Days	Total
	$	$	$	$	$	$
Payables - general	(789)	22,136	231	0	0	21,578
Percentage	-3.7%	102.6%	1.1%	0%	0%	
Balance per trial balance						
Sundry creditors						21,603
ATO liabilities						10,228
ESL payable						7,805
Bonds and deposits held						66,405
Rates paid in advance						64,476
Total payables general outstanding						**181,147**

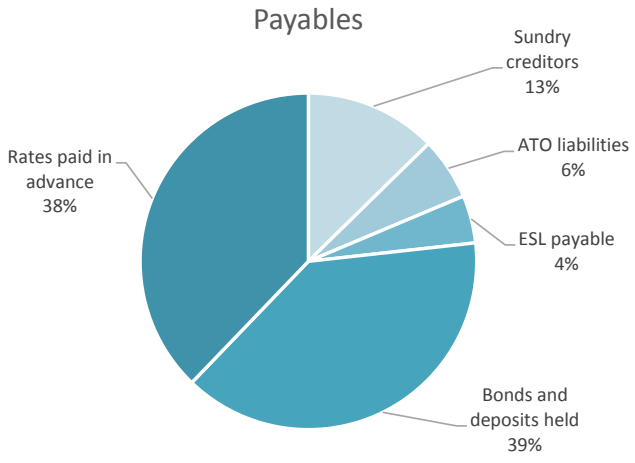
Amounts shown above include GST (where applicable)

KEY INFORMATION

Trade and other payables represent liabilities for goods and services provided to the Shire that are unpaid and arise when the Shire becomes obliged to make future payments in respect of the purchase of these goods and services. The amounts are unsecured, are recognised as a current liability and are normally paid within 30 days of recognition.





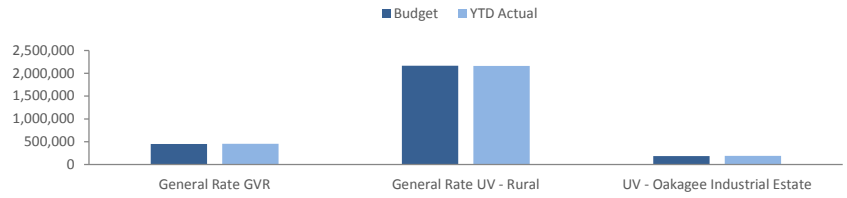


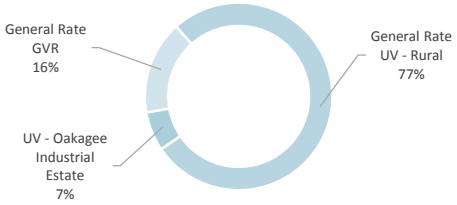
OPERATING ACTIVITIES
NOTE 6
RATE REVENUE

General rate revenue		Budget						YTD Actual			
	Rate in $ (cents)	Number of Properties	Rateable Value	Rate Revenue	Interim Rate	Back Rate	Total Revenue	Rate Revenue	Interim Rates	Back Rates	Total Revenue
RATE TYPE				$	$	$	$	$	$	$	$
Gross rental value											
General Rate GVR	0.094315	288	4,776,050	450,453	0	0	450,454	450,453	2,551	430	453,433
Unimproved value											
General Rate UV - Rural	0.010900	413	198,688,350	2,165,703	0	0	2,165,703	2,165,703	(1,393)	(2,204)	2,162,106
UV - Oakagee Industrial Estate	0.021000	2	8,826,000	185,346	0	0	185,346	185,346	3,297	22	188,665
Sub-Total		**703**	**212,290,400**	**2,801,502**	**0**	**0**	**2,801,503**	**2,801,502**	**4,455**	**(1,752)**	**2,804,204**
Minimum payment	**Minimum $**										
Gross rental value											
General Rate GVR	700	186		130,200	0	0	130,200	130,200	0	0	130,200
Unimproved value											
General Rate UV - Rural	400	15		6,000	0	0	6,000	6,000	0	0	6,000
Sub-total		**201**	**0**	**136,200**	**0**	**0**	**136,200**	**136,200**	**0**	**0**	**136,200**
Total general rates							**2,937,703**				**2,940,404**

KEY INFORMATION

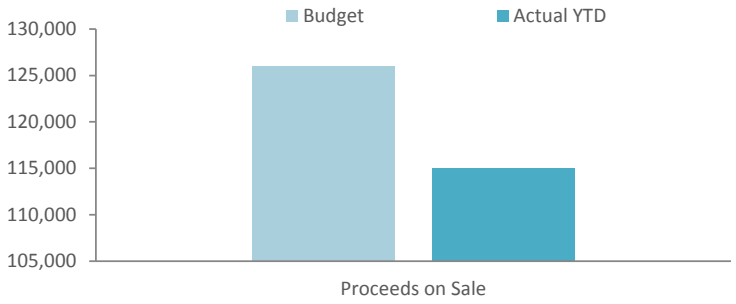
Prepaid rates are, until the taxable event for the rates has occurred, refundable at the request of the ratepayer. Rates received in advance give rise to a financial liability. On 1 July 2020 the prepaid rates were recognised as a financial asset and a related amount was recognised as a financial liability and no income was recognised. When the taxable event occurs the financial liability is extinguished and income recognised for the prepaid rates that have not been refunded.





OPERATING ACTIVITIES
NOTE 7
DISPOSAL OF ASSETS

		Budget				YTD Actual			
Asset Ref.	Asset description	Net Book Value	Proceeds	Profit	(Loss)	Net Book Value	Proceeds	Profit	(Loss)
		$	$	$	$	$	$	$	$
	Land - Freehold land								
100	Lot 26 & 27 CV Road	20,000	20,000	0	0	0	0	0	0
	Plant and equipment								
	Transport								
P23	Caterpillar Grader (2007)	43,194	90,000	46,806	0	28,144	115,000	86,856	0
P43	Ford Ranger PX (2013)	1,500	6,000	4,500	0	0	0	0	0
P48	Mazda BT50 (2014)	1,300	10,000	8,700	0	0	0	0	0
		65,994	**126,000**	**60,006**	**0**	**28,144**	**115,000**	**86,856**	**0**

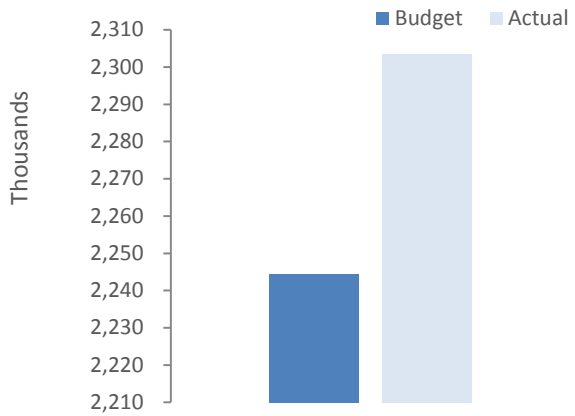


INVESTING ACTIVITIES
NOTE 8
CAPITAL ACQUISITIONS

Capital acquisitions	Amended Budget	YTD Budget	YTD Actual	YTD Actual Variance
	$	$	$	$
Land and buildings	822,874	71,000	13,291	(57,709)
Furniture and equipment	25,000	10,000	9,497	(503)
Plant and equipment	907,100	218,600	710,951	492,351
Tools and equipment	37,000	0	11,536	11,536
Infrastructure - roads	2,135,830	1,944,867	1,558,157	(386,710)
Payments for Capital Acquisitions	**3,927,804**	**2,244,467**	**2,303,432**	**58,965**
Capital Acquisitions Funded By:				
	$	$	$	$
Capital grants and contributions	**1,528,260**	**1,288,260**	**1,169,704**	(118,556)
Lease liabilities	**0**	**0**	**0**	0
Other (disposals & C/Fwd)	**126,000**	**90,000**	**115,000**	25,000
Cash backed reserves				
Leave Reserve	**0**	**0**	**0**	0
Water Strategy Reserve	**0**	**0**	**0**	0
Plant/Light Vehicle Reserve	**278,000**	**0**	**0**	0
Unspent Grant Reserve	**0**	**0**	**0**	0
Computer & Office Equipment Reserve	**0**	**0**	**0**	0
Legal Reserve	**0**	**0**	**0**	0
Land Development Reserve	**0**	**0**	**0**	0
Infrastructure Reserve	**0**	**0**	**0**	0
Building Reserve	**100,000**	**0**	**0**	0
Contribution - operations	**1,895,544**	**866,207**	**1,018,728**	152,521
Capital funding total	**3,927,804**	**2,244,467**	**2,303,432**	**58,965**

SIGNIFICANT ACCOUNTING POLICIES

All assets are initially recognised at cost. Cost is determined as the fair value of the assets given as consideration plus costs incidental to the acquisition. For assets acquired at no cost or for nominal consideration, cost is determined as fair value at the date of acquisition. The cost of non-current assets constructed by the local government includes the cost of all materials used in the construction, direct labour on the project and an appropriate proportion of variable and fixed overhead. Certain asset classes may be revalued on a regular basis such that the carrying values are not materially different from fair value. Assets carried at fair value are to be revalued with sufficient regularity to ensure the carrying amount does not differ materially from that determined using fair value at reporting date.



Repayments - borrowings

Information on borrowings			New Loans		Principal Repayments		Principal Outstanding		Interest Repayments	
Particulars	Loan No.	1 July 2021	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
		$	$	$	$	$	$	$	$	$
Recreation and culture										
Bill Hemsley Park	98	42,125	0	0	42,125	42,125	0	0	798	836
Total		42,125	0	0	42,125	42,125	0	0	798	836
Current borrowings		42,125					0			
Non-current borrowings		0					0			
		42,125					0			

All debenture repayments were financed by general purpose revenue.

KEY INFORMATION

All loans and borrowings are initially recognised at the fair value of the consideration received less directly attributable transaction costs. After initial recognition, interest-bearing loans and borrowings are subsequently measured at amortised cost using the effective interest method. Fees paid on the establishment of loan facilities that are yield related are included as part of the carrying amount of the loans and borrowings.

Movement in carrying amounts

Information on leases			New Leases		Principal Repayments		Principal Outstanding		Interest Repayments	
Particulars	Lease No.	1 July 2021	Actual	Budget	Actual	Budget	Actual	Budget	Actual	Budget
		$	$	$	$	$	$	$	$	$
Community amenities										
Nabawa Fuel Station	LE01	58,180	0	0	5,745	7,686	52,435	50,494	1,074	1,476
Total		58,180	0	0	5,745	7,686	52,435	50,494	1,074	1,476
Current lease liabilities		7,686					1,941			
Non-current lease liabilities		50,494					50,494			
		58,180					52,435			

All lease repayments were financed by general purpose revenue.

KEY INFORMATION

At inception of a contract, the Shire assesses if the contract contains or is a lease. A contract is, or contains, a lease if the contract conveys the right to control the use of an identified asset for a period of time in exchange for consideration. At the commencement date, a right of use asset is recognised at cost and lease liability at the present value of the lease payments that are not paid at that date. The lease payments are discounted using that date. The lease payments are discounted using the interest rate implicit in the lease, if that rate can be readily determined. If that rate cannot be readily determined, the Shire uses its incremental borrowing rate.

All contracts classified as short-term leases (i.e. a lease with a remaining term of 12 months or less) and leases of low value assets are recognised as an operating expense on a straight-line basis over the term of the lease.

Cash backed reserve

Reserve name	Opening Balance	Budget Interest Earned	Actual Interest Earned	Budget Transfers In (+)	Actual Transfers In (+)	Budget Transfers Out (-)	Actual Transfers Out (-)	Budget Closing Balance	Actual YTD Closing Balance
	$	$	$	$	$	$	$	$	$
Leave Reserve	115,715	40	10	50,000	0	0	0	165,755	115,725
Water Strategy Reserve	14,245	5	1	0	0	0	0	14,250	14,246
Plant/Light Vehicle Reserve	547,211	80	45	250,000	0	(278,000)	0	519,291	547,256
Computer & Office Equipment Reserve	39,764	15	3	0	0	0	0	39,779	39,767
Legal Reserve	40,036	15	4	0	0	0	0	40,051	40,040
Land Development Reserve	52,101	20	5	20,000	0	0	0	72,121	52,106
Infrastructure Reserve	167,224	35	14	115,335	0	0	0	282,594	167,238
Building Reserve	184,190	65	15	100,000	0	(100,000)	0	184,255	184,205
	1,160,486	**275**	**97**	**535,335**	**0**	**(378,000)**	**0**	**1,318,096**	**1,160,583**

OPERATING ACTIVITIES
NOTE 12
OTHER CURRENT LIABILITIES

Other current liabilities	Note	Opening Balance 1 July 2021	Liability transferred from/(to) non current	Liability Increase	Liability Reduction	Closing Balance 30 April 2022
		$		$	$	$
Other liabilities						
- Contract liabilities - Grant Funding		185,456	0	3,230,912	(3,416,368)	0
Total other liabilities		185,456	0	3,230,912	(3,416,368)	0
Provisions						
Provision for annual leave		208,511	0	0	0	208,511
Provision for long service leave		185,607	0	0	0	185,607
Total Provisions		394,118	0	0	0	394,118
Total other current liabilities		**579,574**	**0**	**3,230,912**	**(3,416,368)**	**394,118**

Amounts shown above include GST (where applicable)

A breakdown of contract liabilities and associated movements is provided on the following pages at Note 13

KEY INFORMATION

Provisions

Provisions are recognised when the Shire has a present legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

Provisions are measured using the best estimate of the amounts required to settle the obligation at the end of the reporting period.

Employee benefits

Provision is made for the Shire's obligations for short-term employee benefits. Short-term employee benefits are benefits (other than termination benefits) that are expected to be settled wholly before 12 months after the end of the annual reporting period in which the employees render the related service, including wages, salaries and sick leave. Short-term employee benefits are measured at the (undiscounted) amounts expected to be paid when the obligation is settled.

The Shire's obligations for short-term employee benefits such as wages, salaries and sick leave are recognised as a part of current trade and other payables in the calculation of net current assets.

Other long-term employee benefits

The Shire's obligations for employees' annual leave and long service leave entitlements are recognised as provisions in the statement of financial position.

Long-term employee benefits are measured at the present value of the expected future payments to be made to employees. Expected future payments incorporate anticipated future wage and salary levels, durations of service and employee departures and are discounted at rates determined by reference to market yields at the end of the reporting period on government bonds that have maturity dates that approximate the terms of the obligations. Any remeasurements for changes in assumptions of obligations for other long-term employee benefits are recognised in profit or loss in the periods in which the changes occur. The Shire's obligations for long-term employee benefits are presented as non-current provisions in its statement of financial position, except where the Shire does not have an unconditional right to defer settlement for at least 12 months after the end of the reporting period, in which case the obligations are presented as current provisions.

Contract liabilities

An entity's obligation to transfer goods or services to a customer for which the entity has received consideration (or the amount is due) from the customer. Grants to acquire or construct recognisable non-financial assets to identified specifications be constructed to be controlled by the Shire are recognised as a liability until such time as the Shire satisfies its obligations under the agreement.

NOTE 13
OPERATING GRANTS AND CONTRIBUTIONS

	Unspent operating grant, subsidies and contributions liability					Operating grants, subsidies and contributions revenue		
Provider	Liability 1 July 2021	Increase in Liability	Decrease in Liability (As revenue)	Liability 30 Apr 2022	Current Liability 30 Apr 2022	Amended Budget Revenue	YTD Budget	YTD Revenue Actual
	$	$	$	$	$	$	$	$
Operating grants and subsidies								
General purpose funding								
WA LG Grants Commission - Road Funding	0	688,679	(688,679)	0	0	271,732	181,204	688,679
WA LG Grants Commission - General Purpose	0	709,878	(709,878)	0	0	308,410	152,184	709,878
Law, order, public safety								
DFES Grant Funding	0	35,974	(35,974)	0	0	19,500	19,500	35,974
Various Other	169,855	148,203	(318,058)	0	0	217,960	168,172	86,325
Recreation and culture								
LRCIP Round 3	0	0	0	0	0	730,874	0	0
DWER Water Supply Grant	0	100,000	(100,000)	0	0	100,000	100,000	100,000
Various Other	0	4,255	(4,255)	0	0	0	0	4,255
Transport								
Mainroads WA Direct Grant Funding	0	137,540	(137,540)	0	0	137,540	137,540	137,540
Mainroads WA Regional Road Funding	0	180,000	(180,000)	0	0	300,000	240,000	180,000
Various Other	15,602	56,679	(72,281)	0	0	0	0	72,281
	185,457	**2,061,208**	**(2,246,665)**	**0**	**0**	**2,086,016**	**998,600**	**2,014,931**
Operating contributions								
General purpose funding								
Ex Gratia Rates	0	0	0	0	0	10,000	10,000	10,273
Law, order, public safety								
Contributions & Reimbursements	0	0	0	0	0	14,400	12,000	2,400
Community amenities								
Dolby Creek Management Plan Income	0	0	0	0	0	1,000	1,000	0
Reimbursements & Sundry Income (Environment)	0	0	0	0	0	300	0	0
Cemetery Contributions	0	0	0	0	0	900	900	0
Recreation and culture								
Contributions & Reimbursements	0	0	0	0	0	154,150	154,150	0
Transport								
Hudson Resources Contribution	0	0	0	0	0	12,500	12,500	12,356
Other property and services								
Diesel Fuel Rebates	0	0	0	0	0	40,000	33,330	38,750
	0	**0**	**0**	**0**	**0**	**233,250**	**223,880**	**63,779**
TOTALS	**185,457**	**2,061,208**	**(2,246,665)**	**0**	**0**	**2,319,266**	**1,222,480**	**2,078,710**

NOTE 14
NON-OPERATING GRANTS AND CONTRIBUTIONS

	Unspent non operating grants, subsidies and contributions liability					Non operating grants, subsidies and contributions revenue		
Provider	Liability 1 July 2021	Increase in Liability	Decrease in Liability (As revenue)	Liability 30 Apr 2022	Current Liability 30 Apr 2022	Amended Budget Revenue	YTD Budget	YTD Revenue Actual
	$	$	$	$	$	$	$	$
Non-operating grants and subsidies								
Recreation and culture								
Dept of LG - Beach Emergency Signage	0	1,137	(1,137)	0	0	0	0	1,137
Transport								
Main Roads WA Regional Road Group Funding	0	960,000	(960,000)	0	0	1,200,000	960,000	960,000
Roads to Recovery Funding	0	208,567	(208,567)	0	0	328,260	328,260	208,567
TOTALS	**0**	**1,169,704**	**(1,169,704)**	**0**	**0**	**1,528,260**	**1,288,260**	**1,169,704**

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 30 APRIL 2022

NOTE 15
TRUST FUND

Funds held at balance date which are required by legislation to be credited to the trust fund and which are not included in the financial statements are as follows:

Description	Opening Balance 1 July 2021	Amount Received	Amount Paid	Closing Balance 30 Apr 2022
Contributions from Sub Divider	150,357	0	0	**150,357**
CTF Levy	4,349	7,537	(7,360)	**4,527**
Building Commission	3,688	6,435	(6,729)	**3,393**
Unclaimed Monies	250	236	(486)	**0**
	158,644	**14,208**	**(14,575)**	**158,277**

NOTES TO THE STATEMENT OF FINANCIAL ACTIVITY
FOR THE PERIOD ENDED 30 APRIL 2022

The material variance thresholds are adopted annually by Council as an indicator of whether the actual expenditure or revenue varies from the year to date Actual materially.
The material variance adopted by Council for the 2021-22 year is $10,000 or 10.00% whichever is the greater.

				Explanation of variances	
Reporting Program	**Var. $**	**Var. %**		**Timing**	**Permanent**
	$	%			
Revenue from operating activities					
General purpose funding - other	1,073,078	293.63%	▲		Permanent Financial Asssistance Grants
Law, order and public safety	(42,428)	(20.20%)	▼		Permanent Reimbursement Disaster Recovery TC Cyclone Seroja Shire asset works
Recreation and culture	(120,589)	(38.22%)	▼	Timing Variance	
Expenditure from operating activities					
General purpose funding	22,080	21.16%	▲	Timing Variance	
Law, order and public safety	124,984	38.42%	▲		Grant funded Bushfire Risk Management Plan Project completed early
Community amenities	127,750	21.09%	▲	Timing Variance	
Recreation and culture	326,640	32.31%	▲	Timing Variance	
Transport	274,807	11.24%	▲	Timing Variance	
Economic services	57,334	19.24%	▲	Timing Variance	
Other property and services	(15,064)	(30.90%)	▼	Timing Variance	
Investing activities					
Proceeds from disposal of assets	25,000	27.78%	▲	Timing Variance	
Financing activities					
Transfer from reserves	(378,000)	(100.00%)	▼	Timing Variance	
Repayment of debentures	(42,125)	0.00%	▼	Timing Variance	

Internal working documents Budget by Program				
	2021/2022	2021/2022	2021/2022	Last Years Acutal YTD
	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	For the period ending
	30/04/2022	30/04/2022	30/06/2022	30-June-2021
Operating Expenditure				
Governance	279,720	287,799	497,202	332,084
General Purpose Funding	82,271	104,351	125,533	100,951
Law, Order and Public Safety	200,334	333,318	449,952	326,419
Education	0	0	0	0
Health	14,261	24,490	31,390	24,583
Community Amenities	477,952	605,702	793,386	608,127
Recreation and Culture	684,231	980,373	1,105,290	822,472
Transport	2,170,451	2,445,258	3,500,990	3,479,110
Economic Services	240,660	297,994	371,471	284,980
Other Property and Services	63,811	52,243	63,499	76,576
Total Expenditure (E)	4,213,690	5,131,530	6,938,713	6,055,302
	2021/2022	2021/2022	2021/2022	Last Years Acutal YTD
	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	For the period ending
	30/04/2022	30/04/2022	30/06/2022	30-June-2021
Operating Revenue				
Governance	(5,687)	(1,000)	(1,200)	(23,307)
General Purpose Funding	(4,378,930)	(3,303,151)	(3,553,520)	(3,856,818)
Law, Order and Public Safety	(167,644)	(210,072)	(263,460)	(100,430)
Health	(5,442)	(4,535)	(5,007)	(9,808)
Housing	0	0	0	0
Community Amenities	(188,918)	(178,132)	(184,259)	(247,839)
Recreation and Culture	(196,068)	(315,520)	(1,057,644)	(331,521)
Transport	(1,660,757)	(1,741,226)	(2,147,806)	(1,988,020)
Economic Services	(22,396)	(20,160)	(23,430)	(43,179)
Other Property and Services	(40,860)	(51,830)	(81,000)	(60,530)
Total Revenue (R)	(6,666,702)	(5,825,626)	(7,317,326)	(6,661,453)
Operating (Profit)/Loss (R-E)	**(2,453,012)**	**(694,096)**	**(378,612)**	**(606,151)**

Working Documents
2021/2022 Budget by Program

Prog	General Purpose Funding	2021/2022	2021/2022	2021/2022	2020/2021	YTD BUDGET VARIATION	>$10K	Budget PROFILE Comments
01	Rate Revenue	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals			
COA	Operating Expenditure							
0022	Rates Legal Expenses	0	0	1,200	0	0		
0032	Rates Stationary/Postage	1,551	2,500	3,500	1,580	949		
0062	Sundry Expenses	14	0	0	18	(14)		
0082	Rates Other Costs	107	500	500	0	393		
0132	Valuation Expenses	2,666	13,581	15,000	10,884	10,915	*	Timing - invoice payment in June 22
0352	Admin Allocation (Rates)	77,928	85,690	102,833	86,867	7,762		
	Total Operating Expenditure	***82,265***	***102,271***	***123,033***	***99,349***			
COA	Operating Revenue							
0030	General Rates Income	(2,937,702)	(2,937,703)	(2,937,703)	(2,857,240)	(1)		
0010	Rates Written Off	0	0	0	0	0		
0012	Legal Fees	0	0	(1,200)	0	0		
0033	Back Rates	1,752	0	0	3,210	(1,752)		
0061	Ex Gratia Rates	(10,273)	(10,000)	(10,000)	(10,023)	273		
0071	Interim Rates Raised	(4,454)	0	0	(466)	4,454		Interim Rates not budgeted for annually
0113	Interest (Overdue Rates)	(10,919)	(5,840)	(7,000)	(10,473)	5,079		
0123	Interest (Rates Instalments)	(5,602)	(5,000)	(5,000)	(4,268)	602		
0133	Interest (Deferred Rates)	0	0	0	0	0		
0143	Administration Charges	(3,645)	(5,000)	(5,000)	0	(1,355)		
0173	Legal Fees (Recovered)	0	0	0	0	0		
0183	Account Enquiry Charges	(9,160)	(5,000)	(6,000)	(9,959)	4,160		
	Total Operating Revenue	***(2,980,003)***	***(2,968,543)***	***(2,971,903)***	***(2,889,219)***			
	Total Rate Revenue	***(2,897,738)***	***(2,866,272)***	***(2,848,870)***	***(2,789,870)***			

03	General Purpose Funding	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Comments
COA	**Operating Expenditure**							
9992	Interest & Overdraft Fees	6	2,080	2,500	1,602	2,074		
COA	**Operating Revenue**							
0201	Legal Reserve Income	(3)	(12)	(15)	(13)	(9)		
0203	Leave Reserve Income	(10)	(24)	(40)	(38)	(14)		
0204	Land Development Reserve Income	(4)	(16)	(20)	(17)	(12)		
0205	Building Reserve Income	(15)	(57)	(65)	(64)	(41)		
0206	Roadworks Reserve Income	(14)	(29)	(35)	(33)	(15)		
0215	Unspent Grants Reserve Income	0	0	0	(0)	0		
0223	Water Strategy Reserve Income	(1)	(4)	(5)	(5)	(3)		
0233	Grants Commission (Road Funding)	(688,679)	(181,204)	(271,732)	(546,587)	507,475	*	19 - Financial Assistance Grant based on 20-21
0243	Computer and Office Equipment Reserve Income	(3)	(12)	(15)	(13)	(9)		
0253	Grants Commission - (General Purpose)	(709,878)	(152,184)	(308,410)	(419,700)	557,694	*	19 - Financial Assistance Grant based on 20-21
0273	Plant/Light Vehicle Reserve Income	(45)	(67)	(80)	(84)	(21)		
0453	Interest Received (Municipal Account)	(275)	(1,000)	(1,200)	(1,046)	(725)		
0506	Landcare Reserve Income	0	0	0	0	0		
	Total Operating Revenue	***(1,398,927)***	***(334,608)***	***(581,617)***	***(967,599)***			
	Total General Purpose Income	***(1,398,921)***	***(332,528)***	***(579,117)***	***(965,997)***			
	Total General Purpose Funding	**(4,296,659)**	**(3,198,800)**	**(3,427,987)**	**(3,755,867)**			

Prog	Governance	2021/2022	2021/2022	2021/2022	2020/2021	BUDGET to BUDGET VARIATION	>$10K	Budget PROFILE Comments
04	Members of Council	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals			
COA	**Operating Expenditure**							
0112	Election & Poll Expenses	7,323	16,710	21,710	0	9,387		
0182	Subscriptions & Memberships Expense	26,099	29,900	29,900	24,524	3,801		
0192	Members Conference & Training Expenses	10,988	19,000	20,000	1,536	8,012		
0202	Members Insurance Expense	13,362	14,226	14,226	12,370	864		
0212	Donations & Gifts	5,025	9,850	10,350	230	4,825		
0232	Consultancy & Legal Expenses	0	8,333	12,500	1,881	8,333		22 - Provisional Legal Consultancy
0242	Members Sitting Fees	32,935	37,640	75,280	67,752	4,705		
0252	Members Remuneration Expenses	1,925	2,200	4,400	3,960	275		
0262	President & Deputy Allowances	6,250	6,250	12,500	12,603	0		
0272	Council Chambers Repairs & Maintenance	10,987	13,750	15,500	332	2,763		
0332	Furniture & Equipment Expense	152	0	5,500	4,329	(152)		
0442	Admin Allocation (Members)	103,904	116,700	140,036	115,823	12,796	*	Admin expenses lower than budget estimates
0462	Meeting & Refreshments Expense	16,169	25,500	30,500	18,660	9,331		
1822	Accounting & Audit Expenses	44,600	0	42,800	45,800	(44,600)	*	Timing OAG invoices pending
7202	Depreciation (Members)	0	0	0	0	0		
	Total Operating Expenditure	***279,720***	***300,059***	***435,202***	***309,800***			
COA	**Operating Revenue**							
1213	Governance Income	(2,998)	0	0	(2,804)	2,998		
COA	**Capital Expenditure / Reserve Transfers**							
0454	Council Chamber Improvements (NCA)	3,740	0	8,000	0	(3,740)		
	Total Governance	**280,462**	**300,059**	**435,202**	**306,996**			

05	Other Governance	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0102	Provision for Long Service Leave	0	0	5,000	(15,313)	0		
0222	Fringe Benefits Tax	0	33,750	45,000	36,272	33,750	*	52 - Fringe Benefit Tax $45k - qtrly PRE- payments on BAS
0282	Superannuation (Admin)	44,512	48,500	58,202	54,280	3,988		
0292	Salaries Expense (Admin)	495,780	484,390	631,272	551,818	(11,390)	*	Termination payment CEO
0294	Staff Housing Allowance (Admin)	8,704	11,200	13,444	13,016	2,496		
0312	Council Super Contribution 3% (Admin)	9,086	12,180	14,612	11,399	3,094		
0362	Accrued Annual Leave (Admin)	0	0	0	1,918	0		
0372	Workers Compensation Insurance (Admin)	12,811	14,062	14,062	12,227	1,251		
0402	Insurance Expense	6,635	6,897	6,897	5,998	262		
0422	Office Gardens Expenses	17,084	25,160	30,195	25,566	8,076		
0432	Admin Building Operations	6,256	6,736	7,237	6,831	480		
0472	Office Expenses (General)	8,448	10,410	14,000	10,396	1,962		
0473	Admin Building Repairs & Maintenance	18,423	29,750	32,500	2,506	11,327	*	Projects to roll over
0482	Office Telephone & Internet Expenses	11,513	13,240	15,300	16,977	1,727		
0492	Advertising Expenses	6,422	7,000	10,900	6,102	578		
0502	Computer Hardware Service & Repair	30,313	37,080	44,500	43,343	6,767		
0512	Furniture & Equipment Expense	2,530	8,000	10,000	8,009	5,470		
0522	Freight & Postage Expense	1,454	1,300	2,550	1,609	(154)		
0542	Printing & Stationery Expense	9,673	14,000	16,800	16,612	4,327		
0552	Motor Vehicle Expenses	7,036	5,830	7,000	5,956	(1,206)		
0562	Long Service Leave Expense (Admin)	12,706	7,646	14,646	22,321	(5,060)		
0592	Admin Allocation (Other Governance)	(865,868)	(970,640)	(1,164,771)	(965,191)	(104,772)	*	Timing - expenses lower than budget profile year to date
0622	Uniform Expense	0	1,669	1,669	716	1,669		
0632	Staff Training, Conference and Recruitment	15,271	20,625	27,500	14,763	5,354		
0662	Public Liability Insurance	21,260	24,356	24,357	21,180	3,096		
0682	Consultancy Fees	37,807	47,500	74,500	27,659	9,693		
0702	Bank Fees & Charges	7,227	8,750	10,504	7,400	1,523		
0712	Occupational Health & Safety	1,653	7,500	10,500	3,782	5,847		
0722	Accounting Software Operating Expenditure	43,625	42,000	49,000	37,600	(1,625)		
7002	Depreciation (Governance)	29,641	28,850	34,624	36,530	(791)		
	Total Operating Expenditure	**(0)**	**(12,259)**	**62,000**	**22,284**			
COA	**Operating Revenue**							
0383	Minor Income Received (General)	(2,689)	(1,000)	(1,200)	(2,426)	1,689		
1233	Insurance Reimbursement	0	0	0	(6,509)	0		
0573	Reimbursements & Contributions	0	0	0	(11,569)	0		
1243	Long Service Leave Reimbursement	0	0	0	0	0		
	Total Operating Revenue	***(2,689)***	***(1,000)***	***(1,200)***	***(20,504)***			

COA	Capital Expenditure / Reserve Transfers							
0364	Office Furniture & Equipment (NCA)	9,497	10,000	25,000	9,252	503		
0351	Transfer from Leave Reserve (Admin) (EQ)	0	0	0	0	0		
0355	Transfer from Building Reserve (EQ)	0	0	0	0	0		
0371	Transfer from Office Equipment Reserve (EQ)	0	0	0	0	0		
0564	Building Improvements (NCA)	795	0	17,500	0	(795)		
0405	Proceeds from Disposal of Assets	0	0	0	0	0		
4750	Transfer to Leave Reserve (EQ)	10	0	30,000	38	(10)		
4785	Transfer from Unspent Grant Fund	0	0	0	0	0		
4770	Transfer to Office & Equipment Reserve (EQ)	3	0	0	13	(3)		
4780	Transfer to Plant/Light Vehicle Reserve (EQ)	45	0	0	84	(45)		
	Total Capital Expenditure / Reserve Transfers	***10,350***	***10,000***	***72,500***	***9,386***			
	Total Administration	***7,661***	***(3,259)***	***133,300***	***11,166***			
	Total Governance	**288,123**	**296,799**	**568,502**	**318,164**			

Prog	Law, Order, Public Safety	2021/2022	2021/2022	2021/2022	2020/2021			
06	Fire Prevention	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0602	Admin Allocation (Fire Prevention)	8,659	9,720	11,670	9,652	1,061		
0672	Fire Break Inspection Fees	1,409	2,000	2,000	1,305	591		
0762	Ranger Allocation (Fire Prevention)	21,041	30,190	36,230	24,632	9,149		
0832	Emergency Services Levy (Shire Properties)	792	800	800	756	8		
0882	Fire Prevention Enforcement Expenditure	0	1,000	1,000	0	1,000		
1023	Motor vehicle Expenses - BRPC Vehicle	2,999	8,580	10,291	9,636	5,581		
1622	Grant Funded Projects Fire Prevention	15,779	113,025	149,360	54,445	97,246	*	Job: 1058 - Grant funded position balance 2020/2021 agreement and continuation into 2021/2022 for Bushfire Risk Management Plan Project Officer - Grant finalisedand acquitted
1722	Brigades Operating Expenses	32,940	25,073	34,309	18,991	(7,867)		
8012	Loss on Sale of Assets	0	0	0	0	0		
7012	Depreciation (Fire Prevention)	50,234	46,910	56,294	59,549	(3,324)		
	Total Operating Expenditure	***133,853***	***237,298***	***301,954***	***178,967***			
COA	**Operating Revenue**							
0703	Fines & Penalties Income	(500)	(1,250)	(1,250)	(3,000)	(750)		
0713	Emergency Services Levy Administration Fees	(4,000)	(4,000)	(4,000)	(4,000)	0		
0733	DFES Grant Income	(35,974)	(19,500)	(19,500)	(26,947)	16,474	*	DFES Addditional funds rec'd for fire fighting PPE
0743	Operating Grants & Contributions	(86,325)	(168,172)	(217,960)	(48,931)	(81,847)	*	19 - DFES Grant Water Tank Howatharra BFB 100% $68600 DFES Bushfire Risk Management Plan Project Officer grant acquittal pending funds to be returned
0953	Contributions & Reimbursements	(2,400)	(12,000)	(14,400)	(7,200)	(9,600)		Revenue tied to BFRM Project which did not progress 21/22
0883	Fire Prevention Enforcement Income	0	(1,000)	(1,000)	0	(1,000)		
	Total Operating Revenue	***(129,199)***	***(205,922)***	***(258,110)***	***(90,078)***			
COA	**Capital Expenditure / Reserve Transfers**							
0745	Transfer from Unspent Grant Reserve (EQ)	0	0	0	0	0		
0754	Plant & Equipment (NCA)	57,113	68,600	68,600	0	11,487	*	DFES Grant Water Tank Howatharra BFB grant funds not expensed
	Total Capital Expenditure / Reserve Transfers	***57,113***	***68,600***	***68,600***	***0***			
	Total Fire Prevention	***61,767***	***99,976***	***112,444***	***88,889***			

07	Animal Control	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0792	Admin Allocation (Animal Control)	17,317	19,450	23,339	19,304	2,133		
0812	Depreciation (Animal Control)	0	0	0	0	0		
0822	Other Minor Expenditure	0	0	0	1,432	0		
0842	Animal Control Expenses	328	880	1,000	384	552		
0852	Ranger Allocation (Animal Control)	18,516	30,190	36,230	21,676	11,674	*	Timing
	Total Operating Expenditure	***36,161***	***50,520***	***60,569***	***42,796***			
COA	**Operating Revenue**							
0843	Impoundment Fees	(245)	(250)	(250)	(807)	(5)		
0853	Dog/Cat Registrations Income	(4,523)	(3,500)	(3,500)	(5,246)	1,023		
0863	Fines & Penalties	(3,080)	(400)	(400)	(2,000)	2,680		
	Total Operating Revenue	***(7,848)***	***(4,150)***	***(4,150)***	***(8,053)***			
	Total Animal Control	***28,314***	***46,370***	***56,419***	***34,742***			

08	Other Law, Order and Public Safety	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0802	Fines Enforcement Registry	0	0	1,200	308	0		
0902	Ranger Allocation (Other Law and Order)	18,516	30,190	36,230	21,676	11,674	*	Timing
0962	Miscellaneous Expenses (Other Law and Order)	11,803	15,000	50,000	84,175	3,197		
	Total Operating Expenditure	***30,319***	***45,190***	***87,430***	***106,159***			
COA	**Operating Revenue**							
0823	Fines Enforcement Registry Fees & Charges	0	0	(1,200)	(2,299)	0		
0973	Community Safety & Crime Prevention	(30,597)	0	0	0	30,597	*	Reimbursement Disaster Recovery TC Cyclone Seroja Shire asset works not budgeted
0983	Fines & Penalties Levied	0	0	0	0	0		
	Total Operating Revenue	***(30,597)***	***0***	***(1,200)***	***(2,299)***			
	Total Other Law, Order and Public Safety	***(278)***	***45,190***	***86,230***	***103,861***			

18	Rangers Expenses	2020/2019 Full Year Original Budget	2020/2020 Full Year Original Budget	2020/2021 Full Year Original Budget	2019/2020 Current YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0152	Provision for Long Service Leave	0	0	0	2,085	0		
0772	Trainee Ranger Expense	0	0	0	0	0		
0872	Superannuation Council 3% (Rangers)	0	0	0	0	0		
0892	Salary & Wages (Rangers)	63,243	94,030	112,831	75,027	30,787	*	External Contractor budget not expensed YTD
0912	Workers Compensation Insurance (Rangers)	1,369	1,650	1,650	1,434	281		
0922	Superannuation (Rangers)	6,264	9,360	11,231	7,000	3,096		
0932	Conference & Training	0	750	1,000	0	750		
0982	Rangers Expense	13,289	14,460	17,207	16,924	1,171		
1012	Tools & Equipment (Low Value)	0	830	1,000	0	830		
3872	Accrued Annual Leave (Rangers)	0	0	0	(5,445)	0		
0952	Rangers Expenses Reallocated	(84,164)	(120,770)	(144,919)	(98,529)	(36,606)	*	10 - reallocated across programs
	Total Operating Expenditure	***0***	***310***	***0***	***(1,503)***			
COA	**Operating Revenue**							
0773	Grant Revenue (Rangers)	0	0	0	0	0		
COA	**Capital Expenditure / Reserve Transfers**							
0874	Plant & Equipment Purchases (Rangers) (NCA)	0	0	0	0	0		
0875	Transfer from Leave Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***0***	***0***	***0***	***0***			
	Total Rangers Expenses	***0***	***310***	***0***	***(1,503)***			
	Total Law, Order and Fire Safety	**89,802**	**191,846**	**255,092**	**225,990**			

Prog	Education & Welfare	2021/2022	2021/2022	2021/2022	2020/2021	YTD BUDGET VARIATION	>$10K	Budget PROFILE Comments
09	Schools/Pre Schools	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals			
COA	Operating Expenditure							
0992	Pre-School Repairs & Maintenance	0	0	0	0	0		Retained for prior years reporting as required by AASB
COA	Operating Revenue							
0993	Lease Income (Pre School)	0	0	0	0	0		
	Total Education	0	0	0	0	0		

PROG	Health	2021/2022	2021/2022	2021/2022	2020/2021	BUDGET VARIATION	>$10K	Budget PROFILE Comments
14	Health Inspection and Administration	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals			
COA	Operating Expenditure							
1282	Ranger Allocation (Pool Inspections)	10,100	14,490	17,390	11,823	4,390		
1292	Health Expenses (General)	4,161	10,000	14,000	12,760	5,839		
	Total Operating Expenditure	***14,261***	***24,490***	***31,390***	***24,583***			
COA	Operating Revenue							
1373	Swimming Pool Inspection Fees	(659)	0	0	0	659		
1383	Swimming Pool Inspection Fees	(1,755)	(1,575)	(1,575)	(1,755)	180		
1393	Licences & Fees Income	(354)	(600)	(600)	(776)	(246)		
1573	Septic Tank Fees (Health)	(1,180)	(1,180)	(1,416)	(3,186)	0		
1583	Administration Fees (Health)	(1,494)	(1,180)	(1,416)	(4,091)	314		
	Total Operating Revenue	***(5,442)***	***(4,535)***	***(5,007)***	***(9,808)***			
	Total Health Inspection and Administration	**8,819**	**19,955**	**26,383**	**14,775**			

Prog 25	Community Amenities Sanitation - Household Refuse	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
1762	Domestic Rubbish Collection Expenses	109,732	123,330	148,000	141,174	13,598	*	Contracted Rubbish Removal timing of invoices
1772	Depreciation (Sanitation)	4,562	3,700	4,439	4,696	(862)		
1792	Refuse Site Repairs & Maintenance	17,984	16,088	53,171	39,928	(1,896)		
2502	Admin Allocation (Domestic Rubbish)	34,635	38,900	46,679	38,608	4,265		
	Total Operating Expenditure	***166,913***	***182,018***	***252,289***	***224,405***			
COA	**Operating Revenue**							
1903	Domestic Rubbish Collection Fees	(156,709)	(155,975)	(155,975)	(155,030)	734		
1904	Other Rubbish Collection	0	0	0	0	0		
	Total Operating Revenue	***(156,709)***	***(155,975)***	***(155,975)***	***(155,030)***			
COA	**Capital Expenditure / Reserve Transfers**							
1764	Land & Building Purchases (NCA)	0	0	0	21,475	0		
	Total Sanitation - Household Refuse	***10,204***	***26,043***	***96,314***	***90,850***			

26	Sanitation - Other	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
1882	Parks & Gardens Rubbish Collection Expenses	9,628	7,260	8,718	5,912	(2,368)		
1912	Other Waste Management Expenses	1,127	0	7,000	0	(1,127)		
1922	Depreciation (Other Sanitation)	334	320	379	401	(14)		
	Total Operating Expenditure	***11,089***	***7,580***	***16,097***	***6,313***			
COA	**Operating Revenue**							
2003	Grants, Contributions & Reimbursements (Other Sanitation)	0	0	0	(21,475)	0		
4503	Sale of Scrap	0	(5,000)	(5,000)	(10,249)	(5,000)		
	Total Operating Revenue	***0***	***(5,000)***	***(5,000)***	***(31,724)***			
	Total Sanitation - Other	***11,089***	***2,580***	***11,097***	***(25,411)***			

29	Protection of Environment	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
1962	Abandoned Vehicle Expense	0	1,500	1,500	930	1,500		
2022	Landcare Expenditure	0	0	0	0	0		
2040	Dolby Creek Expenditure	3,463	1,761	2,698	2,756	(1,702)		
2942	Prior Period Write Off (Protection of Environment)	0	0	0	0	0		
	Total Operating Expenditure	***3,463***	***3,261***	***4,198***	***3,686***			
COA	**Operating Revenue**							
2923	Dolby Creek Management Plan Income	0	(1,000)	(1,000)	(2,756)	(1,000)		
2933	Reimbursements & Sundry Income (Protection of Environment)	0	0	(300)	(300)	0		
	Total Operating Revenue	***0***	***(1,000)***	***(1,300)***	***(3,056)***			
COA	**Capital Expenditure / Reserve Transfers**							
2055	Transfer from Landcare Reserve (EQ)	0	0	0	0	0		
2080	Transfer to Landcare Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***0***	***0***	***0***	***0***			
	Total Protection of Environment	***3,463***	***2,261***	***2,898***	***630***			

30	Town Planning and Regional Development	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0162	Long Service Leave (Town Planning) Provision	0	0	7,500	(7,848)	0		
0942	Depreciation (Town Planning)	3,870	9,960	11,948	11,982	6,090		
1992	Planning Consultancy Expenses	2,600	20,830	25,000	7,420	18,230	*	Expenses lower than estimated budget YTD
2102	Workers Compensation Insurance (Town Planning)	2,157	2,600	2,599	2,260	443		
2112	Salaries & Wages (Town Planning)	123,070	119,320	143,178	138,456	(3,750)		
2122	Superannuation Council 3% (Town Planning)	3,718	3,520	4,219	3,988	(198)		
2132	Superannuation (Town Planning)	12,023	11,720	14,063	12,999	(303)		
2162	Accrued Annual Leave (Town Planning)	0	0	0	(2,118)	0		
2182	Other Employee Expenses (Town Planning)	0	0	4,000	1,493	0		
2202	Town Planners Expenses	1,059	830	2,500	1,606	(229)		
2222	Motor Vehicle Expenses	3,790	6,250	7,500	4,423	2,460		
2232	Legal Expenses (Town Planning)	2,735	9,518	12,500	3,845	6,783		
2242	Engineering Expenses	0	8,000	12,000	8,495	8,000		
2252	Advertising Expenses	0	4,500	5,000	143	4,500		
3012	Admin Allocation (Town Planning)	51,952	58,350	70,018	28,956	6,398		
3082	Prior Period Write Off (Town Planning)	0	0	0	0	0		
7052	Surveying & Land Expenses	1,193	20,835	25,000	14,426	19,642	*	Expenses lower than estimated budget YTD
7072	Project Expenses (Town Planning)	0	0	10,000	74	0		
	Total Operating Expenditure	***208,167***	***276,233***	***357,025***	***230,601***			
COA	**Operating Revenue**							
0163	Town Planning Projects - Income	0	0	0	(4,063)	0		
2233	Town Planning Fee Income	(15,337)	(5,830)	(7,000)	(28,384)	9,507		Town Planning Fees higher than estimated Reimbursement for Shire incurred legal expenses relating to clause 11(1) Agreement for Installation & use of Telecommunicaiton
2243	Outsourced Planning Fees - Other LGs	(14,396)	(9,000)	(12,000)	(18,640)	5,396		
2253	Outsourced Planning Fees - Other LGs	(905)	0	0	0	905		
3603	Outsourced Planning Fees - Other LGs	(25)	0	0	0	25		
	Total Operating Revenue	***(30,663)***	***(14,830)***	***(19,000)***	***(51,087)***			
COA	**Capital Expenditure / Reserve Transfers**							
4820	Transfer to Legal Reserve (EQ)	3	0	0	13	(3)		
	Total Capital Expenditure/Reserve Transfers	**3**	**0**	**0**	**13**			
	Total Town Planning and Regional Development	***177,507***	***261,403***	***338,025***	***179,528***	***0***		

31	Other Community Amenities	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3102	Cemetery Expenses	6,863	17,580	20,690	18,120	10,717	*	Expenses lower than estimated budget YTD
3132	Community Development Expenses	473	5,000	6,000	2,242	4,527		
3162	Admin Allocation (Other Community Amenities)	43,293	48,620	58,348	48,259	5,327		
3212	Depreciation (Other Community Amenities)	12,152	11,440	13,730	14,512	(712)		
3222	Community Growth Fund	803	10,000	12,000	26,700	9,197		Acquittals pending
3232	Community Development Officer Expenses	24,736	43,970	53,009	33,288	19,234	*	Expenses lower than estimated budget YTD
	Total Operating Expenditure	***88,319***	***136,610***	***163,777***	***143,122***			
COA	**Operating Revenue**							
3093	Cemetery Income (GST Free)	(1,121)	(1,327)	(2,084)	(2,811)	(206)		
3113	Cemetery Income (GST Applicable)	(425)	0	(900)	(3,132)	425		
3613	Reimbursements & Contributions	0	0	0	0	0		
3633	Community Development Grants	0	0	0	0	0		
	Total Operating Revenue	***(1,546)***	***(1,327)***	***(2,984)***	***(6,943)***			
COA	**Capital Expenditure / Reserve Transfers**							
2415	Nabawa Cemetery Capital Expenses (NCA)	0	0	0	8,449	0		
3085	Transfer from Unspent Community Growth Fund Reserve (EQ)	0	0	0	(9,500)	0		
7155	Transfer from Building Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure/Reserve Transfers	***0***	***0***	***0***	***(1,051)***			
	Total Other Community Amenities	***86,774***	***135,283***	***160,793***	***135,128***			
	Total Community Amenities	**289,038**	**427,570**	**609,127**	**380,725**			

Prog	Recreation and Culture	2021/2022	2021/2022	2021/2022	2020/2021			
32	Public Halls and Civic Centres	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	Operating Expenditure							
2602	Depreciation (Public Halls)	79,784	73,260	87,907	92,990	(6,524)		
2722	Public Halls & Showgrounds Expense	79,983	148,827	162,706	81,076	68,844	*	Cyclone Seroja Shire Asset Damage repairs
2732	Nabawa Community Centre Expenses	44,709	49,575	58,111	41,083	4,866		
2742	Interest (Loan 89 - Nabawa Stadium Upgrade)	0	0	0	151	0		
3202	Admin Allocation (Public Halls)	51,952	58,350	70,018	57,912	6,398		
	Total Operating Expenditure	***256,429***	***330,012***	***378,742***	***273,212***			
Prog	Recreation and Culture	2021/2022	2021/2022	2021/2022	2020/2021			
32	Public Halls and Civic Centres Cont.	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	Operating Revenue							
2443	Yuna Camping & Hall Hire Revenue	(1,251)	(1,000)	(1,000)	(1,458)	251		
2453	Showground/Halls Income Received	(5,955)	(3,500)	(3,500)	(4,858)	2,455		
2683	Contributions & Reimbursements	0	(154,150)	(154,150)	0	(154,150)	*	Outstainding claim for Cyclone Seroja Shire Assets Damage Reimbursement from Insurance Claim Expenditure
3423	Grant Funding Revenue	0	0	(730,874)	(77,500)	0		
	Total Operating Revenue	**(7,207)**	**(158,650)**	**(889,524)**	**(83,816)**			
COA	Capital Expenditure / Reserve Transfers							
2550	Transfer to Building Reserve (EQ)	15	0	100,000	64	(15)		
2644	Land & Buildings Purchases (Public Halls) (NCA)	8,756	50,000	754,474	138,963	41,244	*	Timing of projects for LRCIP round 3
4925	Principal Loan Repayment (Loan 89) (CL)	0	0	0	4,961	0		
7385	Transfer from Building Reserve (EQ)	0	0	(100,000)	(25,000)	0		
	Total Capital Expenditure / Reserve Transfers	***8,772***	***50,000***	***754,474***	***118,988***			
	Total Public Halls and Civic Centres	***257,993***	***221,362***	***243,692***	***308,384***			

33	Swimming Areas and Beaches	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	
COA	Operating Expenditure							
3302	Admin Allocation (Swimming Areas & Beaches)	25,976	29,170	35,009	28,956	3,194		
3412	Coronation Beach Expenses	48,760	63,284	89,943	45,459	14,524	*	Timing - expenses lower than budget profile year to date
7082	Depreciation (Swimming Areas & Beaches)	10,193	7,760	9,312	9,850	(2,433)		
	Total Operating Expenditure	***84,929***	***100,214***	***134,264***	***84,265***			
COA	Operating Revenue							
3433	Grant Income (Swimming Areas & Beaches)	(1,137)	0	0	0	1,137		BEN Signs
3443	Coronation Beach Camping Fees	(75,789)	(54,170)	(65,000)	(74,078)	21,619	*	Revenue higher than budget estimates
3453	Grant and Other Income (Swimming Areas & Beaches)	(4,254)	0	0	(76,163)	4,254		
	Total Operating Revenue	***(81,180)***	***(54,170)***	***(65,000)***	***(150,241)***			
COA	Capital Expenditure / Reserve Transfers							
7164	Land and Buildings	0	0	0	66,788	0		
	Total Swimming Areas and Beaches	***3,749***	***46,044***	***69,264***	***812***			

34	Other Recreation and Sport	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
1472	Yuna Oval Expenses	7,422	12,000	15,998	16,496	4,578		
1482	Sporting Clubs Expenses	61,136	92,105	106,097	65,615	30,969	*	Cyclone Seroja Shire Asset Damage repairs
1532	Interest (Loan 98)	798	836	836	1,867	38		
2642	Parks & Gardens Expenses	71,213	174,317	193,855	95,851	103,104	*	Cyclone Seroja Shire Asset Damage repairs
2702	Sports Pavilion & Basketball Stadium (Nabawa Recreation Centre)	10,404	56,276	58,671	17,084	45,872	*	Cyclone Seroja Shire Asset Damage repairs
2712	Tennis Clubs Expenses	5,513	31,068	32,679	6,114	25,555	*	Cyclone Seroja Shire Asset Damage repairs
2772	Minor Gardening Equipment Purchases	858	1,670	2,000	1,474	813		
2812	Golf Courses	2,298	2,282	2,360	2,053	(16)		
3442	Admin Allocation (Recreation & Sport)	25,976	29,170	35,009	28,956	3,194		
7022	Depreciation (Recreation & Sport)	84,178	50,566	43,683	88,988	(3,684)		
	Total Operating Expenditure	***287,646***	***464,456***	***491,189***	***413,487***			
COA	**Operating Revenue**							
2743	Sports Club Hire Income	(4,275)	(620)	(620)	(520)	3,655		
2803	Grants & Other Income Received	(100,000)	(100,000)	(100,000)	(69,119)	0		
3444	Fig Tree Camping Fees	(3,407)	(2,080)	(2,500)	(5,825)	1,327		
	Total Operating Revenue	***(107,681)***	***(102,700)***	***(103,120)***	***(75,464)***			
COA	**Capital Expenditure / Reserve Transfers**							
1304	Plant & Equipment Purchases (NCA)	143,120	150,000	150,000	2,616	6,880		Completed & acquitted Shire contribution $50,000 Total Project $152,616 Rockwell-Yuna Pipeline Rejuvenation Project Funded through DWER Community Water Supply Program Project: Rockwell-Yuna Pipeline Rejuvenation Project
1314	Transfer to Building Reserve (EQ)	0	0	0	0	0		
2834	Land & Building Purchases (NCA)	0	0	21,000	113,257	0		
2844	Tools & Equipment Purchases (NCA)	0	0	20,000	0	0		
2864	Transfer to Unspent Grant Reserve (EQ)	0	0	0	0	0		
2824	Principal Loan Repayment (Loan 98) (CL)	42,125	42,125	42,125	41,035	0		
7275	Loan Funds Received (NCL)	0	0	0	0	0		
7471	Transfer from Unspent Grant Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***185,245***	***192,125***	***233,125***	***156,908***			
	Total Other Recreation and Sport	***365,210***	***553,881***	***621,195***	***494,932***			

35	Library	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
2902	Library Expenses	6,039	14,115	19,784	3,707	8,076		
2912	Honorarium Librarian Payment	500	3,000	3,600	1,000	2,500		
3582	Admin Allocation (Libraries)	25,976	29,170	35,009	28,956	3,194		
6922	Depreciation (Libraries)	454	0	0	0	(454)		
	Total Operating Expenditure	***32,969***	***46,285***	***58,393***	***33,662***			
COA	**Operating Revenue**							
2983	Grants, Contributions & Reimbursements	0	0	0	(22,000)	0		
	Total Operating Revenue	***0***	***0***	***0***	***(22,000)***			
	Capital Expenditure / Reserve Transfers							
3504	Land & Building Purchases (Libraries) (NCA)	0	0	0	27,266	0		
	Total Capital/Reserves	***0***	***0***	***0***	***27,266***			
	Total Library	***32,969***	***46,285***	***58,393***	***38,929***			

36	Other Culture	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3626	Museum & Road Board Expense	13,306	30,936	32,540	7,098	17,630	*	Cyclone Seroja Shire Asset Damage - Museum shed at Nanson
3652	Depreciation (Other Culture)	8,952	8,470	10,161	10,748	(482)		
	Total Operating Expenditure	***22,258***	***39,406***	***42,701***	***17,846***			
	Operating Revenue							
3445	Grant Funding Received	0	0	0	0	0		
	Total Operating Revenue	***0***	***0***	***0***	***0***			
	Capital Expenditure / Reserve Transfers							
3604	Land & Building Purchases (NCA)	0	0	0	0	0		
3635	Transfer from Building Reserve (EQ)	0	0	0	0	0		
	Total Capital/Reserves	***0***	***0***	***0***	***0***			
	Total Other Culture	***22,258***	***39,406***	***42,701***	***17,846***			
	Total Recreation and Culture	**682,179**	**906,978**	**1,035,245**	**855,636**			

Prog	Transport	2021/2022	2021/2022	2021/2022	2020/2021			
37	Constuction Streets, Roads, Bridges, Depots	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3702	Admin Allocation (Road Construction)	69,269	77,800	93,357	86,867	8,531		
COA	**Operating Revenue**							
3173	MW Regional Road Funding	(960,000)	(960,000)	(1,200,000)	(900,000)	0		
3193	R2R (Construction) Income	(208,567)	(328,260)	(328,260)	(328,260)	(119,693)	*	Timing Revenue recognition for R2R funding for Dartmoor Rd & Valentine Rd
	Total Operating Revenue	***(1,168,567)***	***(1,288,260)***	***(1,528,260)***	***(1,228,260)***			
COA	**Capital Expenditure**							
3114	Capital Roadworks Program Purchases (Incl Grant Funded Jobs) (NCA)	1,558,157	1,944,867	2,135,830	1,674,229	386,710	*	Job: C08 - Dartmoor Rd - Upgrade from gravel to a 7.2m wide seal Job: C16 - East Nabawa (West) - Upgrade from existing unsealed road to 7.2m wide seal Job: C16E - East Nabawa Rd (East) -Upgrade from gravel to 7.2 m wide seal Job: C13 - Valentine Road - Upgrade from an existing gravel raod to 7.2m wide seal **Jobs yet to complete :** Job: C59 - McCagh Rd - Upgrade from an existing gravel road to 6.2m wide seal Job: 1040 - YMCC Car Park & Road Seal (Bawden Road)
4840	Transfer to Infrastructure Reserve (EQ)	14	0	115,335	65,053			
	Total Capital Expenditure / Reserve Transfers	***1,558,171***	***1,944,867***	***2,251,165***	***1,739,283***			
	Total Road Construction	***458,873***	***734,407***	***816,262***	***597,890***			

38	Maintenance Streets, Roads, Bridges, Depots	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3182	ROAD RENEWAL GRANT FUNDED	249,858	138,317	458,317	0	(111,541)	*	Job: RC131 - Northampton Nabawa Rd allocated Job 3 in the program
3372	Road Maintenance Expense	581,240	1,013,305	1,493,133	1,922,560	432,065	*	Allocations S&W across jobs Job: RC04 - Wandana Road - Reconstruct and gravel sheet $268k Job: RV01 - Road Maintenance Program Minor & Major Mtce $897k
3502	Depot Maintenance	30,029	23,481	27,857	22,092	(6,548)		
3512	Street Lighting Expense	7,733	8,335	10,000	10,441	602		
3522	Depreciation (Road Maintenance)	50,126	54,040	64,853	68,309	3,914		
3532	Street Trees	200	15,000	15,000	0	14,800	*	Timing lower than anticipated YTD
3542	Licences & Subscriptions	10,159	15,000	15,000	8,895	4,841		
3562	Road Sign Expense	2,855	15,000	15,000	7,557	12,145	*	Timing lower than anticipated YTD
3802	Admin Allocation (Road Maintenance)	69,269	77,800	93,357	86,867	8,531		
3822	Bore Maintenance	10,951	10,000	15,000	12,422	(951)		
3832	Crossover expenses to ratepayers	0	2,500	3,500	800	2,500		
6912	Depreciation (Roads)	1,054,126	955,780	1,146,937	1,213,692	(98,346)	*	
	Total Operating Expenditure	***2,066,547***	***2,328,558***	***3,357,954***	***3,353,635***			
COA	**Operating Revenue**							
3143	MRWA Direct Grant	(137,540)	(137,540)	(137,540)	(127,990)	0		
3153	Other Grant Income	(252,281)	(240,000)	(300,000)	(516,120)	12,281	*	Revenue recognition for RRG Funding Northampton Nabawa Rd
3393	Hudson Resources Contribution (Dartmoor Road)	(12,357)	(12,500)	(12,500)	(36,483)	(143)		
	Total Operating Revenue	***(402,178)***	***(390,040)***	***(450,040)***	***(680,593)***			
COA	**Capital Expenditure**							
3264	Depot Construction (NCA)	0	21,000	21,000	0	21,000	*	Quotes in progress - Bldg Program - Concrete Hard Stand with trafficable grate Diesel powered Hire Pressure system
3205	Transfer from Infrastructure Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***0***	***21,000***	***21,000***	***0***			
	Total Road Maintenance	***1,664,369***	***1,959,518***	***2,928,914***	***2,673,043***			

39	Road Plant Purchases	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3642	Loss on Sale of Assets	0	0	0	0	0		
3902	Interest Expense - Loan 99	0	0	0	0	0		
	Total Operating Expenditure	***0***	***0***	***0***	***0***			
COA	**Operating Revenue**							
3543	Profit on Sale of Assets	(86,856)	(60,006)	(60,006)	(72,554)	26,850	*	Plant Replacement Program Changeover
3575	Proceeds from Disposal of Assets	0	0	(106,000)	0	0		
3903	Grants, Contributions & Reimbursement Road Plant	0	0	0	0	0		
	Total Operating Revenue	***(86,856)***	***(60,006)***	***(166,006)***	***(72,554)***			
COA	**Capital Expenditure / Reserve Transfers**							

3554	Plant & Equipment Purchases (NCA)	514,088	0	684,000	489,116	(514,088)	*	Plant Replacement Program Rollover for 2 Utilites into 2022/2023 will not be delivered until after 30 June 2022
3584	Tools & Other Equip > $5000 (Capex)	4,091	0	7,000	7,786	(4,091)		Analytical IT Equipment for mechanic to perform engine diagnostics to be moved to operating expense
3587	Principal Loan Repayments (Loan 97)	0	0	0	0	0		
3904	Principal Repayment - Loan 99 (Plant Purchase)	0	0	0	0	0		
4781	Transfer to Plant/Light Vehicle Reserve (EQ)	0	0	250,000	290,250	0		
3561	Transfer from Plant/Light Vehicle Reserve (EQ)	0	0	(278,000)	0	0		
6225	Realisation on Disposal of Assets	0	0	0	0	0		
7135	Loan Funds Rec'd.	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***518,179***	***0***	***663,000***	***787,152***			
	Total Road Plant Purchases	***431,323***	***(60,006)***	***496,994***	***714,598***			

41	**Traffic Control**	**2021/2022 Year to Date Actuals**	**2021/2022 Year to Date Budget**	**2021/2022 Full Year Original Budget**	**2020/2021 30 June 21 YTD Actuals**	**BUDGET VARIATION**	**>$10K**	**Budget PROFILE Comments**
COA	**Operating Expenditure**							
4102	Admin Allocation (Traffic Control)	34,635	38,900	46,679	38,608	4,265		
4572	Traffic Control Expense	0	0	3,000	0	0		
7572	Traffic Counters Expense	0	0	0	0	0		
	Total Operating Expenditure	***34,635***	***38,900***	***49,679***	***38,608***			
COA	**Operating Revenue**							
7513	Licensing Commission Income	(3,156)	(2,920)	(3,500)	(3,414)	236		
7573	Traffic Counter Income	0	0	0	(3,200)	0		
	Total Operating Revenue	***(3,156)***	***(2,920)***	***(3,500)***	***(6,614)***			
	Capital Expenditure / Reserve Transfers							
7574	Tools & Equipment Purchases (NCA)	7,445	0	10,000	13,243	(7,445)		
7685	Proceeds from Disposal of Assets	0	0	0	0	0		
	Total Capital Expenditure / Reserve Transfers	***7,445***	***0***	***10,000***	***13,243***			
	Total Traffic Control	***38,923***	***35,980***	***56,179***	***45,237***			
	Total Transport	**2,593,489**	**2,669,900**	**4,298,349**	**4,030,767**			

Prog 44	Economic Services Rural Services	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3362	Ranger Allocation (Roadside Spraying)	7,575	15,700	18,839	8,867	8,125		
3852	Weed & Vermin Control Consultancy	0	0	3,000	0	0		
4462	Admin Allocation (Rural Services)	8,416	9,670	11,602	9,853	1,254		
6722	Noxious Weeds & Pest Expense	6,381	11,389	11,664	10,043	5,008		
	Total Operating Expenditure	***22,372***	***36,759***	***45,105***	***28,764***			
COA	**Capital Expenditure / Reserve Transfers**							
4404	Plant & Equipment Purchases (NCA)	0	0	0	0	0		
	Total Rural Services	***22,372***	***36,759***	***45,105***	***28,764***			

45	Tourism and Area Promotion	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
3952	Signage Expense (Tourism)	0	0	0	0	0		
3982	Tourism Expense	0	0	0	1,410	0		
4282	Promotional Expense (Tourism)	6,500	37,500	39,500	550	31,000	*	Timing
	Total Operating Expenditure	***6,500***	***37,500***	***39,500***	***1,960***			
COA	**Operating Revenue**							
3973	Contr. & Reim. (Tourism).	0	0	0	0	0		
3953	Contr. & Reim. (Tourism).	(25)	0	0	0	25		
	Total Operating Revenue	***(25)***	***0***	***0***	***0***			
	Total Tourism and Area Promotion	***6,475***	***37,500***	***39,500***	***1,960***			

46	Building Control	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
4132	Building Surveyor Expenses	115,468	107,860	132,050	138,386	(7,608)		
4152	Provision for Leave (Building Control)	0	0	10,000	0	0		
4162	Non Contract Expenses	0	0	1,000	0	0		
4622	Admin Allocation (Building Control)	60,611	68,070	81,687	67,563	7,459		
	Total Operating Expenditure	***176,079***	***175,930***	***224,737***	***205,949***			
COA	**Operating Revenue**							
4153	Building Licenses Income	(11,339)	(10,000)	(12,000)	(29,838)	1,339		
4173	CTF Commissions Received	(195)	(150)	(180)	(225)	45		
4213	Building Commissions Received	(220)	(380)	(450)	(586)	(160)		
4183	Contributions & Reimbursements (Building Control)	0	0	0	0	0		
	Total Operating Revenue	***(11,754)***	***(10,530)***	***(12,630)***	***(30,649)***			
COA	**Capital Expenditure / Reserve Transfers**							
4215	Transfer from Leave Reserve (EQ)	0	0	0	0	0		
	Total Capital Expenditure/Reserve Transfers	***0***	***0***	***0***	***0***			
	Total Building Control	***164,326***	***165,400***	***212,107***	***175,300***			

49	Other Economic Services	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
4232	Water Supply Stand Pipes Expense	0	300	300	0	300		
4222	Admin Allocation (Other Economic Services)	34,635	38,900	46,679	48,259	4,265		
4242	Rehabilitation of Gravel Pits Expense	0	0	5,000	0	0		
4252	Purchase of Stamps	0	25	50	20	25		
4272	Other Expenditure	0	8,580	10,100	28	8,580		Refer GL COA's 7274 & 7273
7274	Lease Expense - Interest MUN	1,074	0	0	0	(1,074)		Nabawa Valley Tavern - fuel bowser rental
	Total Operating Expenditure	***35,708***	***47,805***	***62,129***	***48,307***			
COA	**Operating Revenue**							
4223	Commission Received Australia Post	(6,735)	(5,830)	(7,000)	(8,713)	905		
4243	Annual Post Office Box Fee	(3,270)	(3,300)	(3,300)	(3,300)	(30)		
4253	Postage Stamp Income	(11)	(50)	(50)	(25)	(39)		
4333	Photocopying Income	(2)	0	0	(42)	2		
4913	Shire Leased Reserves Income	(600)	(450)	(450)	(450)	150		
	Total Operating Revenue	***(10,618)***	***(9,630)***	***(10,800)***	***(12,531)***			
COA	**Capital Expenditure / Reserve Transfers**							
4760	Transfer to Water Strategy Reserve (EQ)	1	0	0	5	(1)		
7273	Lease Expense - Principal MUN	5,745	0	0	0	(5,745)		Nabawa Valley Tavern - fuel bowser rental
	Total Other Economic Services	***30,836***	***38,175***	***51,329***	***35,777***			
	Total Economic Services	**224,009**	**277,834**	**348,041**	**241,801**			

Prog	Other Property & Services	2021/2022	2021/2022	2021/2022	2020/2021			
47	Plant Depreciation	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
5012	Depreciation (Other Property & Services)	313,737	286,260	343,517	364,676	(27,477)	*	Non Cash item offset below
7102	Depreciation of Unclassified Assets (Other Property & Services)	0	0	0	0	0		
6890	Depreciation Posted to Jobs (Other Property & Services)	(255,260)	(286,260)	(343,517)	(364,676)	(31,001)	*	Non Cash item offset above
	Total Plant Depreciation	***58,477***	***0***	***0***	***0***			

Prog	Other Property & Services	2021/2022	2021/2022	2021/2022	2020/2021			
50	Private Works	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
7302	Private Works Expense	1,635	0	10,000	5,992	(1,635)		
COA	**Operating Income**							
7333	Private Works Income	(1,551)	(11,000)	(11,000)	(8,825)	(9,449)		
	Total Private Works	***83***	***(11,000)***	***(1,000)***	***(2,833)***			

		2021/2022	2021/2022	2021/2022	2020/2021			
52	Public Works Overheads	Year to Date Actuals	Year to Date Budget	Full Year Original Budget	30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
0342	Provision for Long Service Leave (Public Works Overheads)	0	0	20,000	(9,930)	0		
4312	Superannuation Council 3% (Public Works Overheads)	8,447	13,780	16,540	13,499	5,333		
4322	Superannuation (Manager of Works)	9,532	9,600	11,524	10,641	68		
4332	Superannuation (Public Works Overheads)	63,286	79,350	95,219	74,830	16,064	*	Timing - expenses lower than budget profile year to date
4342	Salaries & Wages (Works Manager)	93,513	93,860	112,636	109,943	347		
4352	Superannuation Council 3% (Manager of Works)	2,856	2,880	3,457	3,360	24		
4372	Public Works Sundry Expense	18,660	12,000	12,700	10,607	(6,660)		
4382	Works Manager Expenses	2,963	3,460	4,150	3,614	497		
4392	External Engineering Services	9,200	9,750	13,000	9,350	550		
4402	Sick Leave (Public Works Overheads)	29,188	32,836	38,239	25,646	3,648		
4412	Annual Leave (Public Works Overheads)	42,007	88,910	94,625	75,243	46,903	*	Timing - expenses lower than budget profile year to date
4432	Public Holiday Pay (Public Works Overheads)	35,528	41,597	45,047	39,692	6,069		
4422	Long Service Leave Expense (Public Works Overheads)	3,297	0	0	25,305	(3,297)		
4442	Occupational Health & Safety Expense	5,259	14,165	15,000	4,160	8,906		
4452	Protective Uniform/ Minor Workwear	2,629	700	8,293	9,191	(1,929)		
4602	Training Expense	8,371	11,040	15,000	3,259	2,669		
4652	Works Staff Allowances (Public Works Overheads)	19,696	27,920	33,500	23,288	8,224		
5202	Admin Allocation (Public Works Overheads)	112,563	126,420	151,705	125,474	13,857	*	Timing - expenses lower than budget profile year to date
6782	Workers Compensation Insurance (Public Works Overheads)	18,236	20,854	20,854	18,134	2,618		
7422	Less Public Works Overheads Allocated to W & S	(541,139)	(589,990)	(707,990)	(561,824)	(48,851)	*	PWO allocated across programs lower than budget profile year to date
	Total Operating Expenditure	***(55,910)***	***(868)***	***3,500***	***(0)***			
COA	**Operating Revenue**							
0333	Contrib. & Reimb. (PWO).	0	0	0	0	0		
COA	**Capital Expenditure / Reserve Transfers**							
7631	Transfer from Leave Reserve (EQ)	0	0	0	0	0		
	Total Public Works Overheads	***(55,910)***	***(868)***	***3,500***	***(0)***			

53	Plant Operation Costs	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
4472	In House Repairs & Maintenance	165,566	173,350	208,030	197,917	7,784		
4482	Tyre Purchase Expense	23,006	47,920	57,500	34,260	24,914	*	Timing- Tyre Purchase
4492	Parts & Outside Repairs Expense	98,217	125,000	150,000	147,185	26,783	*	Timing - Parts & Outside Repairs Materials & Services
4502	Plant Licences Expense	403	9,352	19,000	18,711	8,949		
4532	Tools & Consumables	17,193	16,670	20,000	20,612	(523)		
4542	Fuel, Oil & Grease	236,639	262,500	300,000	216,793	25,861	*	Timing purchase of Fuel & Oil Expenses
4552	Cutting Edges & Tips	6,438	9,000	12,000	8,575	2,562		
5112	Admin Allocation (Plant Operations)	17,317	19,450	23,339	19,304	2,133		
6772	Insurance Expense (Plant Operations)	38,016	43,599	43,599	37,912	5,583		
4512	Less POC Allocated to W & S	(529,256)	(661,220)	(793,468)	(656,863)	(131,964)	*	31 - Program 14 POC allocated across jobs less coa 4513 diesel fuel rebates from plant use
	Total Operating Expenditure	***73,539***	***45,621***	***40,000***	***44,407***			
COA	**Operating Revenue**							
4513	Diesel Fuel Rebate	(38,750)	(33,330)	(40,000)	(44,407)	5,420		
	Total Operating Revenue	***(38,750)***	***(33,330)***	***(40,000)***	***(44,407)***			
	Total Plant Operation Costs	***34,789***	***12,291***	***(0)***	***0***			

55	Salaries and Wages	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
4362	Unallocated Wages	0	0	0	0	0		
4570	S&W Gov, Corporate & Development Services	837,047	920,720	1,104,869	963,443	83,673	*	Timing Sal & Wages ordinary hours reduced admin
4580	S&W Works & Services	842,205	990,750	1,188,901	1,063,206	148,545	*	Timing Sal & Wages ordinary hours, overtime & casual pool reduced plant operators
4600	Less Salary & Wages Allocated	(1,696,656)	(1,911,480)	(2,293,770)	(2,009,244)	(214,824)	*	Timing Sal & Wages ordinary hours, overtime & casual pool and EOY accrual
4592	Workers Compensation Paid	0	0	0	0	0		
	Total Operating Expenditure	***(17,404)***	***(10)***	***0***	***17,404***			
COA	**Operating Revenue**							
4613	Salaries & Wages Reimbursement Received	0	0	0	0	0		
4623	Paid Parental Leave Scheme Income	0	0	0	0	0		
	Total Operating Revenue	***0***	***0***	***0***	***0***			
	Total Salaries and Wages	***(17,404)***	***(10)***	***0***	***17,404***			

56	Unclassified	2021/2022 Year to Date Actuals	2021/2022 Year to Date Budget	2021/2022 Full Year Original Budget	2020/2021 30 June 21 YTD Actuals	BUDGET VARIATION	>$10K	Budget PROFILE Comments
COA	**Operating Expenditure**							
5022	Overpayments/Recoverables - Expenditure	3,474	7,500	10,000	8,774	4,026		
	Total Operating Expenditure	***3,474***	***7,500***	***10,000***	***8,774***			
COA	**Operating Revenue**							
2385	Proceeds from Disposal of Assets	0	0	(20,000)	0	0		
5023	Overpayments/Recoverables - Income	(559)	(7,500)	(10,000)	(7,298)	(6,942)		
3813	Profit on Revaluation	0	0	0	0	0		
	Total Operating Revenue	***(559)***	***(7,500)***	***(30,000)***	***(7,298)***			
	Capital Expenditure							
4801	Transfer to Land Development Reserve (EQ)	4	0	20,000	17	(4)		
	Total Unclassified	***2,920***	***0***	***0***	***1,492***			
	Total Other Property and Services	**22,955**	**413**	**2,499**	**16,062**			

Chq/EFT	Date	Name	Amount
MUNICIPAL ACCOUNT			
EFT26316	01/04/2022	Synergy	-7344.55
EFT26317	01/04/2022	Asphalt In A Bag	-1787.50
EFT26318	01/04/2022	Baba Marda Road Services	-358.60
EFT26319	01/04/2022	Batavia Fencing	-2710.00
EFT26320	01/04/2022	Chapman Valley Menshed Inc	-400.00
EFT26321	01/04/2022	Complete Office Supplies	-1488.95
EFT26322	01/04/2022	Fleet Network	-997.61
EFT26323	01/04/2022	Goodyear & Dunlop Tyres (Aust) Pty Ltd	-6656.01
EFT26324	01/04/2022	IPEC Pty Ltd	-41.06
EFT26325	01/04/2022	Kruize Asphalt & Contracting	-8866.00
EFT26326	01/04/2022	Melissa Colville	-50.00
EFT26327	01/04/2022	Nabawa Valley Tavern	-833.35
EFT26328	01/04/2022	Radspec Consultants Pty Ltd	-637.00
EFT26329	01/04/2022	Redink Homes	-236.00
EFT26330	01/04/2022	Shire of Morawa	-1262.50
EFT26331	01/04/2022	Tarts & Co Catering	-690.00
EFT26332	01/04/2022	Think Water Geraldton	-163.30
EFT26333	01/04/2022	Total Toilets	-133.10
EFT26334	01/04/2022	Westrac Pty Ltd	-933.31
EFT26336	06/04/2022	Department of Mines, Industry Regulation & Safety	-519.30
EFT26337	06/04/2022	Richard Hoult	-700.00
EFT26338	06/04/2022	Shire of Chapman Valley	-15.00
EFT26339	06/04/2022	Shire of Mingenew	-789.32
EFT26340	06/04/2022	Synergy	-730.75
EFT26341	06/04/2022	Water Corporation	-2099.98
EFT26342	06/04/2022	Five Star Business Solutions & Innovation	-1100.57
EFT26343	06/04/2022	George Mallet Barnetson	-64.00
EFT26344	06/04/2022	IPEC Pty Ltd	-24.93
EFT26345	06/04/2022	Kruize Asphalt & Contracting	-9020.00
EFT26346	06/04/2022	MOD Designs	-1400.00
EFT26347	06/04/2022	Option Refrigeration & Air Conditioning	-280.50
EFT26348	06/04/2022	Refuel Australia	-9485.30
EFT26349	06/04/2022	Rhett John Paterson	-32.00
EFT26350	06/04/2022	TeletracNavman Australia	-769.45
EFT26351	06/04/2022	Think Water Geraldton	-352.65
EFT26352	06/04/2022	Western Australian Local Government Association (WALGA)	-891.00
EFT26353	06/04/2022	Westrac Pty Ltd	-512615.00
EFT26354	06/04/2022	Woolworths Group	-279.30
EFT26355	14/04/2022	Synergy	-889.72
EFT26356	14/04/2022	APV Valuers And Asset Management	-1869.45
EFT26357	14/04/2022	Australia Post	-81.35
EFT26358	14/04/2022	Batavia Concrete	-865.92
EFT26359	14/04/2022	Catwest	-385.00
EFT26360	14/04/2022	Clarke, Patricia Dawn and Clarke, Terry Raymond	-2994.58
EFT26361	14/04/2022	Cleanaway Co Pty Ltd (Domestic)	-13727.51
EFT26362	14/04/2022	Complete Office Supplies	-196.83
EFT26363	14/04/2022	Fleet Network	-997.61
EFT26364	14/04/2022	Guardian Print & Graphics	-495.00
EFT26365	14/04/2022	IPEC Pty Ltd	-417.34
EFT26366	14/04/2022	Instant Racking	-480.00
EFT26367	14/04/2022	Midwest Turf Supplies	-12040.00
EFT26368	14/04/2022	Miralec	-1397.00

Chq/EFT	Date	Name	Amount
MUNICIPAL ACCOUNT			
EFT26369	14/04/2022	Moore Australia (WA) Pty Ltd	-3256.00
EFT26370	14/04/2022	Novus	-960.00
EFT26371	14/04/2022	Pest A Kill WA	-242.00
EFT26372	14/04/2022	Refuel Australia	-27592.73
EFT26373	14/04/2022	Services Australia Child Support	-181.15
EFT26374	14/04/2022	Thurkle's Earthmoving & Maintenance Pty Ltd	-49898.75
EFT26375	14/04/2022	Westrac Pty Ltd	-4906.54
EFT26376	20/04/2022	Australian Taxation Office	-18733.00
EFT26377	21/04/2022	Building and Construction Industry Training Fund	-51.75
EFT26378	21/04/2022	Shire of Chapman Valley	-8.25
EFT26379	21/04/2022	Synergy	-295.90
EFT26380	21/04/2022	Abrolhos Steel	-219.12
EFT26381	21/04/2022	Atom Supply	-660.78
EFT26382	21/04/2022	Batavia Concrete	-1236.84
EFT26383	21/04/2022	Batavia Metal Roofing	-2530.00
EFT26384	21/04/2022	Bridgestone Tyre Centre	-36.00
EFT26385	21/04/2022	Bunnings Group Limited	-1492.05
EFT26386	21/04/2022	Catwest	-35355.05
EFT26387	21/04/2022	Central West Pump Service	-2995.30
EFT26388	21/04/2022	Cleanaway Co Pty Ltd (Commercial)	-8471.27
EFT26389	21/04/2022	Cleanaway Co Pty Ltd (Domestic)	-5959.58
EFT26390	21/04/2022	Geraldton Ag Services	-554.38
EFT26391	21/04/2022	Geraldton Lock And Key	-61.40
EFT26392	21/04/2022	Geraldton Toyota	-314.04
EFT26393	21/04/2022	Geraldton Trophy Centre	-489.05
EFT26394	21/04/2022	Geraldton Tyrepower	-1076.00
EFT26395	21/04/2022	Goodyear & Dunlop Tyres (Aust) Pty Ltd	-1423.71
EFT26396	21/04/2022	Great Northern Rural Services	-732.57
EFT26397	21/04/2022	IPEC Pty Ltd	-11.01
EFT26398	21/04/2022	Integrated ICT	-2349.00
EFT26399	21/04/2022	McDonalds Wholesalers	-95.65
EFT26400	21/04/2022	Midwest Chemical & Paper	-135.72
EFT26401	21/04/2022	Mitchell & Brown	-2971.00
EFT26402	21/04/2022	NAPA - Covs Parts Pty Ltd	-291.37
EFT26403	21/04/2022	Nundamurra Plains	-28050.00
EFT26404	21/04/2022	Pirtek Geraldton	-1126.90
EFT26405	21/04/2022	Purcher International	-1110.73
EFT26406	21/04/2022	Queens Supa IGA Supermarket	-48.57
EFT26407	21/04/2022	Rip-it Security Shredding And Paper Recyclers	-73.00
EFT26408	21/04/2022	Risk ID	-11550.00
EFT26409	21/04/2022	Statewide Bearings	-82.50
EFT26410	21/04/2022	The West Australian	-235.40
EFT26411	21/04/2022	Totally Work Wear	-55.29
EFT26412	21/04/2022	Truckline	-5134.32
EFT26413	21/04/2022	Ultimate Positioning Group Pty Ltd	-7531.70
EFT26414	21/04/2022	Western Resource Recovery Pty Ltd	-1233.95
EFT26415	21/04/2022	Westrac Pty Ltd	-1961.12
EFT26416	21/04/2022	Winc Australia Pty Limited	-51.65
EFT26417	04/04/2022	Westpac Geraldton	-1729.53
DD17577.1	12/04/2022	Aware Super Pty Ltd	-8313.21
DD17577.2	12/04/2022	Australian Super	-417.49
DD17577.3	12/04/2022	Wealth Personal Superannuation and Pension Fund	-510.12

Chq/EFT	Date	Name	Amount
MUNICIPAL ACCOUNT			
DD17577.4	12/04/2022	Cameron Fishing Superannuation Fund	-65.54
DD17577.5	12/04/2022	OnePath Custodians Pty Limited	-182.11
DD17577.6	12/04/2022	Prime Super	-258.34
DD17577.7	12/04/2022	Hostplus Superannuation	-14.04
DD17577.8	12/04/2022	Rest Superannuation	-247.00
DD17577.9	12/04/2022	ANZ Smart Choice Super	-259.90
			-859424.57

BANK RECONCILIATION - Muni Accounts
As at 30th of April 2022

SYNERGY

Balance as per Cash at Bank Account GL 160000	64,685.67
Balance as per Cash at Bank Account GL 170000	3,275,462.66
Balance as per Interfund Transfer A/c GL 161100	-
Plus Income on Bank Stmt not in ledgers	-
Less Expenditure on Bank Stmt not in ledgers	-
	$3,340,148.33

BANK

Muni Bank Account (Account No 000040)	64,255.73
Investment Account (Account No 305784)	3,275,462.66
	3,339,718.39
Less Outstanding Payments	-
Plus Outstanding Deposits	2,080.00
Plus Tfer from Trust to Muni or [Tfer to Trust from Muni]	(1,650.06)
	$3,340,148.33

Difference Check 0.00

Completed by:

Beau Raymond - Senior Finance Officer Date

Reviewed by:

Dianne Raymond - Mgr Finance & Corporate Services Date

Corporate Card Statement

31 MAR 2022

053

SHIRE OF CHAPMAN VALLEY
THE SHIRE CLERK
ADMINISTRATION
C/- POST OFFICE
NABAWA W A WA 6532

Facility Number
00018023 20000001

Payment Due Date
30 March 2022

Closing Balance
$1,729.53

This amount will be swept from a nominated account.

For enquiries please call 1300 650 107 (8am - 8pm, Monday to Friday). Lost or stolen cards service available 24 hours a day, 7 days a week.

Any statement entries for purchases or cash advances made in a foreign currency include the following: (1) the foreign currency transaction amount converted into Australian dollars by the applicable credit card scheme and (2) the Westpac Foreign Transaction Fee (FX Fee), being the applicable Westpac Processing Fee and the applicable Westpac On-Charged Scheme Fee.

Company Name	Number of Cards	Cash Advance Annual % Rate
Shire Of Chapman Valley	2	15.65%
Contact Name	**Facility Number**	**Facility Credit Limit**
The Shire Clerk	00018023 20000001	10,000

Statement From	Statement To	Payment Due Date	Opening Balance	Closing Balance	Available Credit
21 Feb 2022	20 Mar 2022	30 Mar 2022	36.50	1,729.53	8,270.47

Payment will be automatically debited on the agreed payment date as recorded in your facility application.

Summary of Changes in Your Account Since Last Statement

From Your Opening Balance of	We Deducted Payments and Other Credits	And We Added				To Arrive at Your Closing Balance of	Total Past Due / Overlimit balances
		New purchases	Cash advances	Fees, Interest & Government Charges	Miscellaneous Transactions		
36.50	36.50 -	1,729.53	0.00	0.00	0.00	1,729.53	0.00

Remember, if you have a card, always keep your passcode (PIN) secret - don't tell anyone or let them see it. Never write your passcode on your card or on anything that could be lost or stolen. If you do need to record a reminder, you must make every effort to disguise it. You may be liable for losses if you don't protect your passcode. To learn more about how you can protect your card against unauthorised transactions, or for information about disputed transactions, call us at 1300 650 107 during business hours.

Complaints

If you have a complaint, contact our dedicated Customer Solutions team on 132 032 or write to us at Westpac Customer Solutions, Reply Paid 5265, Sydney NSW 2001. If an issue has not been resolved to your satisfaction, you can lodge a complaint with the Australian Financial Complaints Authority (AFCA). AFCA provides fair and independent financial services complaint resolution that is free to consumers.

Online: www.afca.org.au
Email: info@afca.org.au
Phone 1800 931 678
Mail: Australian Financial Complaints Authority GPO Box 3 Melbourne VIC 3001

S000786 / M000281 / 078 / CN1VP4P1

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Corporate Card Statement

SHIRE OF CHAPMAN VALLEY
THE SHIRE CLERK
ADMINISTRATION
C/- POST OFFICE
NABAWA W A WA 6532

CARDHOLDER TRANSACTION DETAILS

Cardholder Name	Card Number	Credit Limit	Available Credit
Simon Lancaster	5163 2531 0083 4453	4,000	3,289.16

For enquiries please call 1300 650 107 (8am - 8pm, Monday to Friday). Lost or stolen cards service available 24 hours a day, 7 days a week.

Corporate Card Transactions

Date of Transaction	Description	Debits/Credits	Cardholder Comments
	Payments		
04 MAR	AUTOMATIC PAYMENT	18.25-	10 Days.
	Sub Total:	**18.25-**	
	Purchases		
23 FEB	QANTAS0812319066789 NSW QANTAS	660.82	Training AUS Pth. GL 106320
# 07 MAR	AMAZON MUSIC UNLIMITED SYDNEY SOUTH AUS MISCELLANEOUS & SPECIALTY RE*INCORRECT WITHDRAWAL*	11.99	Disputed Transaction
09 MAR	WONTHELLA SUPA IGA SUP WONTHELLA AUS GROCERY STORES, SUPERMARKETS	38.03	Office Supplies GL 104720
	Sub Total:	**710.84**	

Cardholder to contact Amazon

Amazon Music to credit card the full amount Request Card to be cancelled

Summary of Changes in Your Account Since Last Statement

From Your Opening Balance of	We Deducted Payments and Other Credits	And We Added				To Arrive at Your Closing Balance of	Total Past Due / Overlimit balances
		New purchases	Cash advances	Fees, Interest & Government Charges	Miscellaneous Transactions		
18.25	18.25	710.84	0.00	0.00	0.00	710.84	0.00

00281 078 / CN1VP4P1

CSF VP4

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WBCA4WFGI 0919 787

Corporate Card Statement

I have checked the above details and verify that they are correct.

Cardholder Signature _____ **Date** 14/4/22

Transactions examined and approved.

Manager/Supervisor Signature _____ **Date** 14/4/22

Remember, if you have a card, always keep your passcode (PIN) secret - don't tell anyone or let them see it. Never write your passcode on your card or on anything that could be lost or stolen. If you do need to record a reminder, you must make every effort to disguise it. You may be liable for losses if you don't protect your passcode. To learn more about how you can protect your card against unauthorised transactions, or for information about disputed transactions, call us at 1300 650 107 during business hours.

Complaints

If you have a complaint, contact our dedicated Customer Solutions team on 132 032 or write to us at Westpac Customer Solutions, Reply Paid 5265, Sydney NSW 2001. If an issue has not been resolved to your satisfaction, you can lodge a complaint with the Australian Financial Complaints Authority (AFCA). AFCA provides fair and independent financial services complaint resolution that is free to consumers.

Online: www.afca.org.au
Email: info@afca.org.au
Phone 1800 931 678
Mail: Australian Financial Complaints Authority GPO Box 3 Melbourne VIC 3001

S000787 / M000281 / 078 / CN1VP4P1

Corporate Card Statement

SHIRE OF CHAPMAN VALLEY
THE SHIRE CLERK
ADMINISTRATION
C/- POST OFFICE
NABAWA W A WA 6532

CARDHOLDER TRANSACTION DETAILS

Cardholder Name	Card Number	Credit Limit	Available Credit
Jameon Criddle	5163 2531 0145 4541	6,000	4,981.31

For enquiries please call 1300 650 107 (8am - 8pm, Monday to Friday). Lost or stolen cards service available 24 hours a day, 7 days a week.

Corporate Card Transactions

Date of Transaction	Description	Debits/Credits	Cardholder Comments
	Payments		
04 MAR	AUTOMATIC PAYMENT	18.25-	
	Sub Total:	**18.25-**	
	Purchases		
02 MAR	SEARANGE HOLDINGS PL GERALDTON AUS EATING PLACES, RESTAURANTS	Refreshments 92.00	MHS, MWDC, SofAR CEOs + President GL 104620
15 MAR	ADOBE ACROPRO SUBS ADOBE.LY/ENAU IRL INC FX FEE AUD $26.98 COMPUTER SOFTWARE	Licences 926.69	GL 107220.
	Sub Total:	**1,018.69**	

Summary of Changes in Your Account Since Last Statement

From Your Opening Balance of	We Deducted Payments and Other Credits	And We Added				To Arrive at Your Closing Balance of	Total Past Due / Overlimit balances
		New purchases	Cash advances	Fees, Interest & Government Charges	Miscellaneous Transactions		
18.25	18.25 -	1,018.69	0.00	0.00	0.00	1,018.69	0.00

I have checked the above details and verify that they are correct.

Cardholder Signature _____ **Date** 14/4/22

Transactions examined and approved.

Manager/Supervisor Signature _____ **Date** 14/4/22

S000788 / M000281 / 078 / CN1VP4P1

CSF VP4

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Remember, if you have a card, always keep your passcode (PIN) secret - don't tell anyone or let them see it. Never write your passcode on your card or on anything that could be lost or stolen. If you do need to record a reminder, you must make every effort to disguise it. You may be liable for losses if you don't protect your passcode. To learn more about how you can protect your card against unauthorised transactions, or for information about disputed transactions, call us at 1300 650 107 during business hours.

Complaints

If you have a complaint, contact our dedicated Customer Solutions team on 132 032 or write to us at Westpac Customer Solutions, Reply Paid 5265, Sydney NSW 2001. If an issue has not been resolved to your satisfaction, you can lodge a complaint with the Australian Financial Complaints Authority (AFCA). AFCA provides fair and independent financial services complaint resolution that is free to consumers.

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WESTERN AUSTRALIA

SALARIES AND ALLOWANCES ACT 1975

DETERMINATION OF THE SALARIES AND ALLOWANCES TRIBUNAL

ON LOCAL GOVERNMENT CHIEF EXECUTIVE OFFICERS AND ELECTED MEMBERS

Pursuant to Section 7A and 7B

7 April 2022

PREAMBLE

Statutory Context

1. Section 7A of the *Salaries and Allowances Act 1975* ('the SA Act') requires the Salaries and Allowances Tribunal ('the Tribunal') to "inquire into and determine, the amount of remuneration, or the minimum and maximum amounts of remuneration, to be paid or provided to chief executive officers of local governments".

2. Under Section 7B(2) of the SA Act, the Tribunal must inquire into and determine the amount of:
   - fees, or the minimum and maximum amounts of fees, to be paid under the *Local Government Act 1995* ('the LG Act') to elected council members for attendance at meetings;
   - expenses, or the minimum and maximum amounts of expenses, to be reimbursed under the LG Act to elected council members; and
   - allowances, or the minimum and maximum amounts of allowances, to be paid under the LG Act to elected council members.

3. By issuing this Determination, the Tribunal discharges its obligations under Section 8 of the SA Act, which requires determinations under sections 7A and 7B to be issued at intervals of not more than 12 months.

Considerations

4. The Tribunal has considered sections 2.7 to 2.10 and section 5.41 of the LG Act, which outlines the roles and responsibilities of local governments, councillors, mayors, presidents and their deputies, and the functions of local government Chief Executive Officers (CEOs).

5. The Tribunal invited individual local governments, the Department of Local Government, Sport and Cultural Industries, the Western Australian Local Government Association, Local Government Professionals WA and other interested individuals to provide information or submissions regarding developments across the sector.

6. Thirteen submissions were received. All submissions received were considered within the Tribunal's deliberations.

Band allocation model

7. The Tribunal continues to apply the four Band allocation model. The model allows a number of measurable and non-measurable factors to be considered when assessing appropriate levels of remuneration. The model is adjusted annually to accommodate incremental increases experienced by all organisations.

8. The Tribunal notes that the remuneration ranges provide flexibility to local governments to set remuneration within the allocated Band. The Tribunal will only adjust a Band classification when a local government or regional local government can demonstrate a substantial and sustained increase in functions, roles or scope of the organisation.

Christmas and Cocos Islands

9. In 2016, the Commonwealth and WA Governments entered an agreement under the *Christmas Island Act 1958* (Cth), the *Cocos (Keeling) Islands Act 1995* (Cth) and the *Indian Oceans Territories (Administration of Laws) Act 1992* (WA), by which the Tribunal has the power to determine the remuneration of local government CEOs and the fees, expenses and allowances for local government elected members of the Shires of Christmas Island and Cocos (Keeling) Islands.

10. This inquiry reviewed remuneration provided by the Shires of Christmas and Cocos (Keeling) Islands.

CONCLUSIONS

11. The Tribunal has determined that remuneration, fees, and annual allowance ranges provided to CEOs and elected members be increased by 2.5%. The increase is appropriate within the wider framework of senior public offices and the current economic climate.

12. The Tribunal notes that each local government must set remuneration within the band to which it is allocated. Any increase, within the bands, must be determined by each local government through its own assessment of whether changes are justified.

13. In reviewing the band allocation model and all other relevant information, the Tribunal has examined local governments with potential to change band classification. However, the Tribunal considers no change is warranted for any local government at this time.

14. The Tribunal received submissions requesting changes to the specific levels of allowances, such as the Regional/Isolation Allowance, child care reimbursement rate, or annual allowances provided to elected members in lieu of expenses. Recognition of compulsory training through the allowance framework was also considered. The Tribunal has reviewed these allowances and has determined the child care reimbursement rate will increase to $35 per hour. All other allowances are to remain unchanged.

15. The Tribunal noted a couple of submissions raised issues involving performance management, governance standards, workplace culture, qualifications and training, among others. Such issues are outside the Tribunal's powers. The Tribunal's functions are narrow and strictly defined in the SA Act (as identified in paragraphs 1 and 2). The Tribunal sets the appropriate levels of remuneration for the offices within its jurisdiction, not specific office holders.

16. It is emphasised that fees and allowances, in lieu of reimbursement of expenses, provided to elected members are not considered payment for work performed in a manner akin to regular employment arrangements. Elected members are provided these fees and allowances to recognise the commitment of their time and to ensure they are not out of pocket for expenses properly incurred in the fulfilment of their duties. The Tribunal's original 2013 determination stated that "fees and allowances provided to elected members are not intended to be full time salaries for members". The Tribunal continues to recognise the degree of voluntary community service in the role of elected members.

    The Determination will now issue.

DETERMINATION FOR LOCAL GOVERNMENT CHIEF EXECUTIVE OFFICERS AND ELECTED MEMBERS PURSUANT TO SECTION 7A AND 7B OF THE *SALARIES AND ALLOWANCES ACT 1975*

PART 1: INTRODUCTORY MATTERS

This Part deals with some matters that are relevant to the determination generally.

1.1 Short title

This determination may be cited as the *Local Government Chief Executive Officers and Elected Members Determination No. 1 of 2022.*

1.2 Commencement

This determination comes into operation on 1 July 2022.

1.3 Content and intent

(1) The remuneration listed in this determination comprises all remuneration as defined under the *Salaries and Allowances Act 1975* as including salary, allowances, fees, emoluments and benefits.

(2) The determination applies to

a. Chief Executive Officers (CEOs);

b. Acting Chief Executive Officers; and

c. Elected Members

(3) The remuneration specified in this determination for CEOs is based on a person being appointed to one local government CEO position only. In the case of a person appointed to undertake the duties of more than one CEO position simultaneously, the relevant local governments must seek a determination from the Tribunal for the multiple CEO positions held by that person.

(4) If a local government undergoes an amalgamation or a rezoning of local government boundaries, the local government is required to seek a new determination from the Tribunal.

(5) This determination provides for the amount of fees, expenses and allowances to be paid or reimbursed to elected council members under the *Local Government Act 1995* ('the LG Act') Part 5 Division 8. The determination applies to elected council members

who are members of the council of a local government, and under section 3.66 of the LG Act.

(6) Where the Tribunal has determined a specific amount for a fee, expense or allowance for elected council members of a local government or regional local government, the amount determined by the Tribunal will be payable to an eligible elected council member.

(7) Where the Tribunal has determined a minimum and maximum amount for a fee, expense or allowance for elected council members of a local government or regional local government, each local government or regional local government council will set an amount within the relevant range determined and the amount set will be payable to an eligible elected council member.

(8) The fees, expenses and allowances determined are intended to recognise the responsibilities of elected council members, mayors and presidents of local governments and chairs of regional local governments and to remunerate them for the performance of the duties associated with their office.

1.4 Terms used

In this determination, unless the contrary intention appears -

chair means a person who is elected or appointed from among the members of a council of a regional local government as its chair;

committee meeting means a meeting of a committee of a council where the committee comprises –

(a) council members only; or

(b) council members and employees of the local government or regional local government;

council, in relation to:

(a) a local government, means the council of the local government;

(b) a regional local government, means the council of the regional local government;

council member, in relation to:

(a) a local government –

(i) means a person elected under the LG Act as a member of the council of the local government; and

(ii) includes the mayor or president of the local government;

(b) a regional local government –

(i) means a person elected under the LG Act as a member of the council of a local government and who is a member of the council of the regional local government; and

(ii) includes the chair of the regional local government;

LG Regulations means the *Local Government (Administration) Regulations 1996*;

mayor means a council member holding the office of mayor, whether elected by the council from amongst its members or elected by the electors;

president means a council member holding the office of president, whether elected by the council from amongst its members or elected by the electors.

1.5 Pro rata payments

(1) The Total Reward Package specified in this determination for CEOs is based on a person serving in the office on a full-time basis. The relevant range shall be payable on a pro rata basis if the position is undertaken on a part time basis.

(2) The amount of a person's entitlement to remuneration, annual attendance fee or annual allowance specified in this determination shall be apportioned on a pro rata basis according to the portion of a year that the person holds office.

1.6 Local government band allocations

Unless the contrary intention appears, this determination allocates local governments to the bands set out in Schedule 1. Regional local governments (as constituted under Part 3 Division 4 of the LG Act) are allocated to a Band only with respect to CEOs.

PART 2: TOTAL REWARD PACKAGE

This Part deals with the remuneration payable to Chief Executive Officers.

2.1 GENERAL

(1) Offices listed in this Part have been assigned by the Tribunal to one of four classifications designated Band 1 to Band 4.

(2) Each classification (Band 1 to Band 4) has a commensurate Total Reward Package (TRP) range.

(3) Typical components of a TRP include:

(a) Base salary;
(b) Annual leave loading;
(c) Associated FBT accrued (total annual amount of fringe benefits tax paid by the local government for all fringe benefits provided to a CEO);
(d) Association membership fees;
(e) Attraction/retention allowance, not being provided under Part 3;
(f) Personal benefit value of the provision of a motor vehicle for private use (if applicable) as defined under Part 5 of this determination;
(g) Cash bonus and performance incentives;
(h) Cash in lieu of a motor vehicle;
(i) Fitness club fees;
(j) Grooming/clothing allowance;
(k) Health insurance;
(l) School fees and/or child's uniform;
(m) Superannuation (all mandatory and non-mandatory employer superannuation contributions);
(n) Travel or any other benefit taken in lieu of salary;
(o) Travel for spouse or any other member of family;
(p) Unrestricted entertainment allowance;
(q) Utilities allowance (any water, power or other utility subsidy provided to the CEO); and
(r) Any other form of payment, in cash or not, in consideration as a reward or benefit of the CEOs duties.

(4) The only exclusions from the TRP are:

(a) items listed in Parts 3, 4 and 5 of this determination (however, any superannuation guarantee associated with the payment of a Regional/Isolation Allowance and any associated FBT accrued from the

provision of a motor vehicle or accommodation are to be included as part of the TRP);

(b) employer obligations such as professional development (restricted to the CEO), reimbursement for genuine work expenses or the cost of recruitment and relocation expenses; and

(c) items considered by the local government to be a tool of trade (i.e. equipment needed to undertake the duties of a CEO) and which are not a direct or indirect reward or benefit for the performance of duties as a CEO.

2.2 LOCAL GOVERNMENT CLASSIFICATION

(1) The ranges of TRP in Table 1 apply where a local government or regional local government has been classified into the relevant band.

Table 1: Local government band classification – Total Reward Package range

Band	Total Reward Package
1	$256,634- $390,810
2	$211,663 - $329,254
3	$161,868 - $266,983
4	$131,423 - $206,141

(2) Local governments have been classified in Schedule 1.

(3) Regional local governments have been classified in Table 2 below.

Table 2: Regional local government band classification

Regional Local Government	Band
Bunbury-Harvey Regional Council	4
Eastern Metropolitan Regional Council	2
Mindarie Regional Council	3
Murchison Regional Vermin Council	4
Pilbara Regional Council	4
Rivers Regional Council	3
Southern Metropolitan Regional Council	2
Tamala Park Regional Council	2
Western Metropolitan Regional Council	4

(4) A person who holds a dual appointment of the CEO of the Shire of East Pilbara and the CEO of the Pilbara Regional Council, shall be entitled to receive a TRP range equivalent to the Band 2 range ($211,663 - $329,254).

PART 3: REGIONAL/ISOLATION ALLOWANCE

This Part deals with the Regional/Isolation Allowance that may be payable to Chief Executive Officers from local governments identified in this Part.

3.1 GENERAL

(1) Local governments listed in Table 3 in this Part may provide a Regional/Isolation Allowance to a CEO, in addition to the CEO's Total Reward Package, in recognition of the regional and isolation factors which may affect the attraction and retention of the CEOs of those local governments.

(2) There is no requirement to provide a Regional/Isolation Allowance to a CEO. Payment of this allowance is at the discretion of the local government, within the parameters set by the Tribunal.

(3) When a local government chooses to use any or all of this allowance, the payment of the allowance should be properly justified and applied in a transparent manner considering the issues outlined in 3.2.

(4) When a local government chooses to pay all or any of this allowance, it is to be paid to the CEO as salary.

3.2 DETERMINING APPROPRIATENESS AND RATE OF ALLOWANCE

(1) When assessing the appropriateness of providing a Regional/Isolation Allowance, an eligible local government must consider the impact of factors outlined in 3.2(3) on attraction and retention of a CEO. In the event these factors have little or no impact, the Local Government should not provide this Allowance.

(2) In the event a Regional/Isolation Allowance is considered appropriate, the amount of the Allowance should be proportionate to the circumstances faced by the Local Government.

(3) The following factors should be considered when determining whether to apply the Regional/Isolation Allowance:

a) *Remoteness* - Issues associated with the vast distances separating communities within a Local Government or the distance of the Local Government from Perth or a Regional Centre;
b) *Cost of living* - The increased cost of living highlighted specifically in the Regional Price Index.
c) *Social disadvantage*: Reduced specialist health services, schooling opportunities for children, employment opportunities for spouse, reduced

lifestyle commodities when compared to Perth and regional centres, and access to professional and personal support networks;

d) *Dominant industry*: The impact that a dominant industry such a mining or agriculture has on an area and the ability to attract and retain people in the face of a dominant industry;

e) *Attraction/retention*: The ability to recruit suitably qualified candidates and being able to retain them in light of the above concerns in competition with positions in Perth, regional centres and private industry;

f) *Community expectations*: The pressures on a CEO to meet expectations when professional or operational expertise is not readily available.

3.3 REGIONAL/ISOLATION ALLOWANCE

Local governments eligible for the Regional/Isolation Allowance are listed in Table 3.

Table 3: Regional/Isolation Allowance

Local Government	Maximum Regional/Isolation Allowance Per Annum
Ashburton Shire	$45,000
Broome Shire	$35,000
Carnamah Shire	$30,000
Carnarvon Shire	$30,000
Chapman Valley Shire	$30,000
Christmas Island Shire	$80,000
Cocos (Keeling) Islands Shire	$80,000
Coolgardie Shire	$30,000
Coorow Shire	$30,000
Cue Shire	$40,000
Derby-West Kimberley Shire	$45,000
Dundas Shire	$30,000
East Pilbara Shire	$45,000
Esperance Shire	$25,000
Exmouth Shire	$35,000
Geraldton-Greenough City	$25,000
Halls Creek Shire	$65,000
Irwin Shire	$30,000
Jerramungup Shire	$25,000
Kalgoorlie-Boulder City	$30,000
Karratha City	$60,000

Local Government	Maximum Regional/Isolation Allowance Per Annum
Kent Shire	$10,000
Kondinin Shire	$10,000
Kulin Shire	$10,000
Lake Grace Shire	$10,000
Laverton Shire	$40,000
Leonora Shire	$40,000
Meekatharra Shire	$40,000
Menzies Shire	$30,000
Merredin Shire	$10,000
Mingenew Shire	$30,000
Morawa Shire	$30,000
Mount Magnet Shire	$30,000
Mount Marshall Shire	$10,000
Mukinbudin Shire	$25,000
Murchison Shire	$30,000
Narembeen Shire	$10,000
Ngaanyatjarraku Shire	$40,000
Northampton Shire	$30,000
Nungarin Shire	$10,000
Perenjori Shire	$30,000
Port Hedland Town	$60,000
Ravensthorpe Shire	$30,000
Sandstone Shire	$30,000
Shark Bay Shire	$35,000
Three Springs Shire	$30,000
Upper Gascoyne Shire	$40,000
Westonia Shire	$25,000
Wiluna Shire	$40,000
Wyndham-East Kimberley Shire	$45,000
Yalgoo Shire	$30,000
Yilgarn Shire	$25,000

PART 4: HOUSING ALLOWANCE

This Part deals with the Housing Allowance that may be payable to Chief Executive Officers.

4.1 GENERAL

(1) In recognition of the need for local governments to provide accommodation as a result of a lack of suitable housing or recruitment issues, on either a permanent or temporary basis, local governments are able to utilise this allowance as required.

(2) When a local government utilises this allowance, the payment of the allowance should be properly justified and applied in a transparent manner.

(3) Any accommodation provided under this Part must be located within or adjacent to the local government area in which the CEO is employed.

(4) Local governments should tailor the provision of any housing allowance to suit their particular circumstances. This may include the CEO making contributions towards the cost of the accommodation.

4.2 APPLICABLE HOUSING ALLOWANCE

(1) Where a local government owns a property and provides that property to the CEO for accommodation, the value of this accommodation will not be included in the Total Reward Package.

(2) For reporting purposes, the value of the local government owned property shall be valued at the annual Gross Rental Value of the property as determined by the Valuer General.

(3) Where a local government leases accommodation for the use of the CEO, the lease costs will not be included in the Total Reward Package.

(4) For reporting purposes, the value of the local government leased property shall be the annual actual costs of the accommodation lease.

PART 5: MOTOR VEHICLE

This Part deals with the provision of motor vehicles to Chief Executive Officers.

5.1 GENERAL

(1) For local governments generally, except those listed in Table 3 under Part 3 of this determination, the private benefit value of any motor vehicle provided to the CEO by the local government is to be included in the Total Reward Package.

(2) For local governments listed in Table 3 under Part 3 of this determination, any motor vehicle provided to the CEO or an allowance provided to a CEO for use of a private motor vehicle for work-related purposes, is to be considered a tool of trade (i.e. a tool needed to undertake the duties of a CEO in these local governments) and any private benefit will not be considered as part of the Total Reward Package.

5.2 PRIVATE BENEFIT VALUE

(1) The private benefit value of the motor vehicle will be dependent on the type of motor vehicle provided, method of ownership (i.e. local government owned or leased), maintenance and running costs, insurance, any applicable luxury car tax and the amount of private use of the vehicle (i.e. non-business use).

(2) As a general rule, the private benefit value will be based upon the annual costs multiplied by the percentage of private use.

(3) Local governments and CEOs will need to agree on the most appropriate way to record the amount of private use in order to calculate the private benefit value.

PART 6: MEETING ATTENDANCE FEES

This Part deals with fees payable to council members for attendance at council and other meetings

6.1 GENERAL

(1) Pursuant to section 5.98(1)(b) of the LG Act, a council member who attends a council meeting is entitled to be paid the fee set by the local government or the regional local government within the range determined in section 6.2 of this Part for council meeting attendance fees.

(2) Pursuant to section 5.98(1)(b) and (2A)(b) of the LG Act, a council member who attends a committee meeting or (at the request of the local government or regional local government) a meeting of a type prescribed in regulation 30(3A) of the LG Regulations is entitled to be paid the fee set by the local government or regional local government within the range determined in section 6.3 of this Part for attending committee meetings or, as the case requires, meetings of that type.

(3) Each of the following meetings is a type of meeting prescribed in regulation 30(3A) of the LG Regulations -

(a) meeting of a WALGA Zone, where the council member is representing a local government as a delegate elected or appointed by the local government;

(b) meeting of a Regional Road Group established by Main Roads Western Australia, where the council member is representing a local government as a delegate elected or appointed by the local government;

(c) council meeting of a regional local government where the council member is the deputy of a member of the regional local government and is attending in the place of the member of the regional local government;

(d) meeting other than a council or committee meeting where the council member is attending at the request of a Minister of the Crown who is attending the meeting;

(e) meeting other than a council meeting or committee meeting where the council member is representing a local government as a delegate elected or appointed by the local government.

(4) Pursuant to section 5.99 of the LG Act, a local government or regional local government may decide by an absolute majority that instead of paying council

members an attendance fee referred to in section 5.98(1) of the LG Act, it will pay all council members who attend council or committee meetings a fee set within the range for annual fees determined in section 6.4 of this Part.

(5) Regulation 30(3C) of the LG Regulations prevents the payment of a fee to a council member for attending a meeting of a type prescribed in regulation 30(3A) of those regulations if –

(a) the person who organises the meeting pays the council member a fee for attending the meeting; or

(b) the council member is paid an annual fee in accordance with section 5.99 of the LG Act; or

(c) the council member is deputising for a council member at a meeting of a regional local government and the member of the regional local government is paid an annual fee in accordance with section 5.99 of the LG Act.

(6) In determining the fees set out in this Part, the Tribunal has taken into account a range of factors including –

(a) the time required to prepare adequately for the meetings including consideration of agenda papers, site visits related to agenda items and consultation with council staff and community members;

(b) the role of the council member, mayor or president including, but not limited to, representation, advocacy, and oversight and determination of policy and local legislation;

(c) particular responsibilities associated with the types of meetings attended;

(d) responsibilities of a mayor, president or chair to preside over meetings; and

(e) the relative "size" of the local government as reflected in the Tribunal's local government banding model.

(7) The Tribunal has not determined a specific meeting attendance fee for the purposes of section 5.98(1)(a) or (2A)(a) of the LG Act.

6.2 COUNCIL MEETING ATTENDANCE FEES – PER MEETING

(1) The ranges of fees in Table 4 and Table 5 apply where a local government or regional local government decides by an absolute majority to pay a council member a fee referred to in section 5.98(1)(b) of the LG Act for attendance at a council meeting.

Table 4: Council meeting fees per meeting – local governments

	For a council member other than the mayor or president		For a council member who holds the office of mayor or president	
Band	Minimum	Maximum	Minimum	Maximum
1	$630	$813	$630	$1,219
2	$382	$597	$382	$800
3	$198	$420	$198	$650
4	$93	$244	$93	$502

Table 5: Council meeting fees per meeting – regional local governments

	For a council member other than the chair		For a council member who holds the office of chair	
	Minimum	**Maximum**	**Minimum**	**Maximum**
All regional local governments	$93	$244	$93	$502

6.3 COMMITTEE MEETING AND PRESCRIBED MEETING ATTENDANCE FEES – PER MEETING

(1) The ranges of fees in Table 6 and Table 7 apply where a local government or regional local government decides to pay a council member a fee referred to in –

(a) section 5.98(1)(b) of the LG Act for attendance at a committee meeting; or

(b) section 5.98(2A)(b) of the LG Act for attendance at a meeting of a type prescribed in regulation 30(3A) of the LG Regulations.

Table 6: Committee meeting and prescribed meeting fees per meeting – local governments

For a council member (including the mayor or president)		
Band	**Minimum**	**Maximum**
1	$316	$406
2	$191	$298
3	$99	$210
4	$47	$122

Table 7: Committee meeting and prescribed meeting fees per meeting – regional local governments

For a council member (including the chair)		
	Minimum	**Maximum**
All regional local governments	$47	$122

6.4 ANNUAL ATTENDANCE FEES IN LIEU OF COUNCIL MEETING, COMMITTEE MEETING AND PRESCRIBED MEETING ATTENDANCE FEES

(1) The ranges of fees in Table 8 and Table 9 apply where a local government or regional local government decides by an absolute majority that, instead of paying council members an attendance fee referred to in section 5.98 of the LG Act, it will pay an annual fee to all council members who attend council, committee or prescribed meetings.

Table 8: Annual attendance fees in lieu of council meeting, committee meeting and prescribed meeting attendance fees – local governments

	For a council member other than the mayor or president		For a council member who holds the office of mayor or president	
Band	**Minimum**	**Maximum**	**Minimum**	**Maximum**
1	$25,219	$32,470	$25,219	$48,704
2	$15,237	$23,811	$15,237	$31,928
3	$7,880	$16,776	$7,880	$25,976
4	$3,679	$9,742	$3,679	$20,022

Table 9: Annual attendance fees in lieu of council meeting, committee meeting and prescribed meeting attendance fees – regional local governments

	For a council member other than the chair		For a council member who holds the office of chair	
	Minimum	**Maximum**	**Minimum**	**Maximum**
All regional local governments	$1,840	$10,824	$2,024	$16,235

PART 7: ANNUAL ALLOWANCE FOR A MAYOR, PRESIDENT, CHAIR, DEPUTY MAYOR, DEPUTY PRESIDENT AND DEPUTY CHAIR

This Part deals with annual allowances payable to mayors, presidents, chair and their deputies, in addition to any entitlement to meeting attendance fees or the reimbursement of expenses.

7.1 GENERAL

(1) Pursuant to section 5.98(5) of the LG Act, the mayor or president of a local government and the chair of a regional local government are entitled, in addition to any fees or reimbursement of expenses payable under section 5.98(1) or (2), to be paid the annual allowance set by the local government or regional local government within the range determined in section 7.2 of this Part.

(2) Pursuant to section 5.98A(1) of the LG Act, a local government or regional local government may decide, by an absolute majority, to pay the deputy mayor or deputy president of the local government, or the deputy chair of the regional local government, an allowance of up to the percentage that is determined by the Tribunal of the annual allowance to which the mayor or president of the local government, or the chair of the regional local government, is entitled under section 5.98(5) of the LG Act. That percentage is determined in section 7.3 of this Part. This allowance is in addition to any fees or reimbursement of expenses payable to the deputy mayor, deputy president or deputy chair under section 5.98 of the LG Act.

(3) In determining the allowances set out in this Part, the Tribunal has taken into account a range of factors including the following –

(a) the leadership role of the mayor, president or chair;

(b) the statutory functions for which the mayor, president or chair is accountable;

(c) the ceremonial and civic duties required of the mayor, president or chair, including local government business related entertainment;

(d) the responsibilities of the deputy mayor, deputy president or deputy chair when deputising;

(e) the relative "size" of the local government as reflected in the Tribunal's local government banding model;

(f) the civic, ceremonial and representation duties particular to the Lord Mayor of Western Australia's capital city.

7.2 ANNUAL ALLOWANCE FOR A MAYOR, PRESIDENT OR CHAIR

(1) The ranges of allowances in Table 10 apply where a local government sets the amount of the annual local government allowance to which a mayor or president is entitled under section 5.98(5) of the LG Act.

(2) The range of allowances in Table 11 apply where a regional local government sets the amount of the annual local government allowance to which a chair is entitled under section 5.98(5) of the LG Act.

(3) Despite the provisions of subsection (1), the Perth City Council is to set the amount of the annual local government allowance to which the Lord Mayor is entitled within the range of $61,509 to $137,268.

Table 10: Annual allowance for a mayor or president of a local government

For a mayor or president		
Band	**Minimum**	**Maximum**
1	$52,539	$91,997
2	$15,761	$64,938
3	$1,051	$37,881
4	$526	$20,565

Table 11: Annual allowance for a chair of a regional local government

For a chair		
	Minimum	**Maximum**
All regional local governments	$526	$20,565

7.3 ANNUAL ALLOWANCE FOR A DEPUTY MAYOR, DEPUTY PRESIDENT OR DEPUTY CHAIR

(1) The percentage determined for the purposes of section 5.98A(1) of the LG Act is 25 per cent.

(2) If the office of mayor or president is vacant under section 5.34(a) of the Local Government Act 1995, and the deputy performs the functions of mayor or president for a period of no less than four months, the deputy will be entitled to receive the mayor or president allowance according to the applicable local government band in 7.2 of the Determination.

PART 8: EXPENSES TO BE REIMBURSED

This Part deals with expenses for which council members are entitled to be reimbursed.

8.1 GENERAL

(1) Pursuant to section 5.98(2)(a) and (3) of the LG Act, a council member who incurs an expense of a kind prescribed in regulation 31(1) of the LG Regulations is entitled to be reimbursed for the expense to the extent determined in section 8.2(1) to (5) of this Part.

(2) Regulation 31(1) of the LG Regulations prescribes the following kinds of expenses that are to be reimbursed:

(a) rental charges incurred by a council member in relation to one telephone and one facsimile machine; and

(b) child care and travel costs incurred by a council member because of the member's attendance at a council meeting or a meeting of a committee of which he or she is also a member.

(3) Pursuant to section 5.98(2)(a) and (3) of the LG Act, a council member who incurs an expense of a kind prescribed in regulation 32(1) of the LG Regulations is entitled to be reimbursed for the expense to the extent determined in section 8.2(6) to (8) of this Part.

(4) Regulation 32(1) of the LG Regulations prescribes the following kinds of expenses that may be approved by a local government for reimbursement –

(a) an expense incurred by a council member in performing a function under the express authority of the local government;

(b) an expense incurred by a council member to whom paragraph (a) applies by reason of the council member being accompanied by not more than one other person while performing the function if, having regard to the nature of the function, the local government considers that it is appropriate for the council member to be accompanied by that other person; and

(c) an expense incurred by a council member in performing a function in his or her capacity as a council member.

8.2 EXTENT OF EXPENSES TO BE REIMBURSED

(1) The extent to which a council member can be reimbursed for rental charges in relation to one telephone and one facsimile machine is the actual expense incurred by the council member.

(2) The extent to which a council member can be reimbursed for child care costs incurred because of attendance at a meeting referred to in regulation 31(1)(b) of the LG Regulations is the actual cost per hour or $35 per hour, whichever is the lesser amount.

(3) The extent to which a council member of a local government can be reimbursed for reasonable travel costs referred to in regulation 31(1)(b) of the LG Regulations is:

(a) if the person lives or works in the local government district or an adjoining local government district, the actual cost for the person to travel from the person's place of residence or work to the meeting and back; or

(b) if the person does not live or work in the local government district or an adjoining local government district, the actual cost, in relation to a journey from the person's place of residence or work and back:

(i) for the person to travel from the person's place of residence or work to the meeting and back; or

(ii) if the distance travelled referred to in subparagraph (i) is more than 100 kilometres, for the person to travel from the outer boundary of an adjoining local government district to the meeting and back to that boundary.

(4) The extent to which a council member of a regional local government can be reimbursed for reasonable travel costs referred to in regulation 31(1)(b) of the LG Regulations is the actual cost for the person to travel from the person's place of residence or work to the meeting and back.

(5) For the purposes of subsections (3) and (4), travel costs incurred while driving a privately owned or leased vehicle (rather than a commercially hired vehicle) are to be calculated at the same rate contained in Section 30.6 of the *Local Government Officers' (Western Australia) Award 2021* as at the date of this determination.

(6) The extent to which a council member can be reimbursed for child care costs incurred in any of the circumstances referred to in regulation 32(1) of the LG Regulations is the actual cost per hour or $35 per hour, whichever is the lesser amount.

(7) The extent to which a council member can be reimbursed for intrastate or interstate travel and accommodation costs incurred in any of the circumstances referred to in regulation 32(1) of the LG Regulations is at the same rate applicable to the reimbursement of travel and accommodation costs in the same or similar circumstances under the *Public Service Award 1992* issued by the Western Australian Industrial Relations Commission as at the date of this determination.

(8) The extent to which a council member can be reimbursed for any other cost incurred under regulation 32(1) of the LG Regulations is the actual cost upon presentation of sufficient evidence of the cost incurred.

PART 9: ANNUAL ALLOWANCES IN LIEU OF REIMBURSEMENT OF EXPENSES

This Part deals with annual allowances that a local government or regional local government may decide to pay.

9.1 GENERAL

(1) Pursuant to section 5.99A of the LG Act, a local government or regional local government may decide by absolute majority that instead of reimbursing council members under the LG Act section 5.98(2) for all of a particular type of expense, it will pay all council members, for that type of expense, the annual allowance determined in section 9.2 of this Part or, as the case requires, an annual allowance within the range determined in that section.

(2) Where a local government or regional local government has decided to pay council members an annual allowance for an expense of a particular type instead of reimbursing expenses of that type under section 5.98(2) of the LG Act, section 5.99A of the LG Act provides for reimbursement of expenses of that type in excess of the amount of the allowance.

(3) In determining the maximum annual allowance for expenses of a particular type, the Tribunal has taken into account a range of factors including the following:

(a) the intent of the allowance to reflect the extent and nature of the expenses incurred and not to result in a windfall gain for council members;

(b) the capacity of local governments to set allowances appropriate to their varying operational needs;

(c) the particular practices of local governments in the use of information and communication technology (e.g. laptop computers, iPads); and

(d) the varying travel requirements of council members in local governments associated with geography, isolation and other factors.

9.2 ANNUAL ALLOWANCES DETERMINED INSTEAD OF REIMBURSEMENT FOR PARTICULAR TYPES OF EXPENSES

(1) In this section:

ICT expenses means:

(a) rental charges in relation to one telephone and one facsimile machine, as prescribed by regulation 31(1)(a) of the LG Regulations; or

(b) any other expenses that relate to information and communications technology (for example, telephone call charges and internet service provider fees) and that are a kind of expense prescribed by regulation 32(1) of the LG Regulations;

travel and accommodation expenses means:

(a) travel costs, as prescribed by regulation 31(1)(b) of the LG Regulations; or

(b) any other expenses that relate to travel or accommodation and that are a kind of expense prescribed by regulation 32(1) of the LG Regulations.

(2) For the purposes of section 5.99A(b) of the LG Act, the minimum annual allowance for ICT expenses is $500 and the maximum annual allowance for ICT expenses is $3,500.

(3) For the purposes of section 5.99A(a) of the LG Act, the annual allowance for travel and accommodation expenses is $50.

SCHEDULE 1: LOCAL GOVERNMENT BAND ALLOCATIONS

Local Government	Band
Albany City	1
Armadale City	1
Ashburton Shire	2
Augusta-Margaret River Shire	2
Bassendean Town	3
Bayswater City	1
Belmont City	1
Beverley Shire	4
Boddington Shire	4
Boyup Brook Shire	4
Bridgetown-Greenbushes Shire	3
Brookton Shire	4
Broome Shire	2
Broomehill-Tambellup Shire	4
Bruce Rock Shire	4
Bunbury City	1
Busselton City	1
Cambridge Town	2
Canning City	1
Capel Shire	3
Carnamah Shire	4
Carnarvon Shire	2
Chapman Valley Shire	4
Chittering Shire	3
Christmas Island Shire	3
Claremont Town	3
Cocos (Keeling) Islands Shire	4
Cockburn City	1
Collie Shire	3
Coolgardie Shire	3
Coorow Shire	4
Corrigin Shire	4
Cottesloe Town	3
Cranbrook Shire	4
Cuballing Shire	4
Cue Shire	4

Local Government	Band
Cunderdin Shire	4
Dalwallinu Shire	3
Dandaragan Shire	3
Dardanup Shire	3
Denmark Shire	3
Derby-West Kimberley Shire	2
Donnybrook Balingup Shire	3
Dowerin Shire	4
Dumbleyung Shire	4
Dundas Shire	4
East Fremantle Town	3
East Pilbara Shire	2
Esperance Shire	2
Exmouth Shire	3
Fremantle City	1
Gingin Shire	3
Gnowangerup Shire	4
Goomalling Shire	4
Gosnells City	1
Greater Geraldton City	1
Halls Creek Shire	3
Harvey Shire	2
Irwin Shire	3
Jerramungup Shire	4
Joondalup City	1
Kalamunda Shire	2
Kalgoorlie-Boulder City	1
Karratha City	1
Katanning Shire	3
Kellerberrin Shire	4
Kent Shire	4
Kojonup Shire	3
Kondinin Shire	4
Koorda Shire	4
Kulin Shire	4
Kwinana City	1
Lake Grace Shire	4

Local Government	Band
Laverton Shire	3
Leonora Shire	3
Mandurah City	1
Manjimup Shire	2
Meekatharra Shire	3
Melville City	1
Menzies Shire	4
Merredin Shire	3
Mingenew Shire	4
Moora Shire	3
Morawa Shire	4
Mosman Park Town	3
Mount Magnet Shire	4
Mount Marshall Shire	4
Mukinbudin Shire	4
Mundaring Shire	2
Murchison Shire	4
Murray Shire	2
Nannup Shire	4
Narembeen Shire	4
Narrogin Shire	3
Nedlands City	2
Ngaanyatjarraku Shire	4
Northam Shire	2
Northampton Shire	3
Nungarin Shire	4
Peppermint Grove Shire	4
Perenjori Shire	4
Perth City	1
Pingelly Shire	4
Plantagenet Shire	3
Port Hedland Town	1
Quairading Shire	4
Ravensthorpe Shire	3
Rockingham City	1
Sandstone Shire	4
Serpentine-Jarrahdale Shire	2

Local Government	Band
Shark Bay Shire	4
South Perth City	2
Stirling City	1
Subiaco City	2
Swan City	1
Tammin Shire	4
Three Springs Shire	4
Toodyay Shire	3
Trayning Shire	4
Upper Gascoyne Shire	4
Victoria Park Town	2
Victoria Plains Shire	4
Vincent City	2
Wagin Shire	4
Wandering Shire	4
Wanneroo City	1
Waroona Shire	3
West Arthur Shire	4
Westonia Shire	4
Wickepin Shire	4
Williams Shire	4
Wiluna Shire	4
Wongan-Ballidu Shire	4
Woodanilling Shire	4
Wyalkatchem Shire	4
Wyndham-East Kimberley Shire	2
Yalgoo Shire	4
Yilgarn Shire	3
York Shire	3

Signed on 7 April 2022.

M Seares AO	B A Sargeant PSM	Hon J Day
CHAIR	MEMBER	MEMBER

SALARIES AND ALLOWANCES TRIBUNAL

LOCAL GOVERNMENT ELECTED MEMBERS EXPLANATORY NOTES

This section does not form part of the determination

1. Entitlements

The entitlement of a council member to a fee, allowance or reimbursement of an expense established under the LG Act, the LG Regulations and this determination, cannot be proscribed, limited or waived by a local government. Any eligible claim against those entitlements is to be paid in accordance with the applicable financial procedures of the local government.

2. Local governments to set amounts within the range determined

Where the Tribunal has determined a minimum and maximum amount for a fee, expense or allowance for members of the council of a local government or a regional local government, each council is to set, by absolute majority, an amount within the relevant range determined and the amount set will be payable to elected council members.

3. Superannuation

Nothing in this determination establishes a liability for the payment of superannuation by local governments. Elected council members are eligible for superannuation payments if their council has resolved unanimously to become an Eligible Local Governing Body (ELGB) pursuant to section 221A and section 221B of the *Income Tax Assessment Act 1936* (Cwlth). Where the council is an ELGB, it is deemed to have an employer/employee relationship with its elected council members and this attracts the application of a number of statutory obligations. Alternative arrangements described in Australian Taxation Office (ATO) Interpretative Decision ATO ID 2007/205 allow for elected council members and councils to agree for whole or part of meeting attendance fees to be paid into a superannuation fund. Where the council is an ELGB, fees for attendance at council, committee and prescribed meetings (whether paid via a per meeting fee or annual allowance) are to be inclusive of any superannuation guarantee liability. This information is not published by way of legal or financial advice.

2021/2022	Rate	Revenue
0030 - General Rates		$ 2,937,702.00
0033 - Back Rates		$ 1,752.00
0071 - Interims		$ 4,454.00
		$ 2,943,908.00
4%	Increase to rate revenue	$ 117,756.32
Proposed 4% rate revenue increase 2022/2023		$ 3,061,664.32

Proposed Differential Rates 2022-2023

Total Props	UV Value	GRV Value	Min Amts	UV %	GRV %	Calculated Rates	Props on Min	Minimum	General Rates	Actual Rates to Raise	Compliant Minimum Rates	% Variance from Last Year
472		5649439.00	700.00		9.8088	554142.13	175	122500.00	479731.86	602231.86	37%	3.26
431	198738618.00		400.00	1.1336		2252900.96	17	6800.00	2251798.35	2258598.35	4%	4
2	8983000.00		400.00	2.1800		195829.40		0.00	195829.40	195829.40	0%	4
	207721618.00	5649439.00				3002872.49	192	$ 129,300.00	$ 2,927,359.61	**$ 3,056,659.61**		

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2022/2023 Intention to Levy Differential Rates and Charges

In accordance with Sections 6.33 and 6.36 of the Local Government Act 1995 and the Council's "Notice of Intention to Levy Differential Rates", this paper details the objectives and reasons for proposed differential rates for 2022/2023.

What are Rates?

The raising of rates is the primary source of revenue for all Councils throughout Australia. The purpose of levying rates is to meet Council's proposed budget requirements each year in a manner that is fair and equitable to the ratepayers of the community.

In Western Australia land is valued by Landgate Valuation Services (Valuer General's Office - a state government agency) and those values are forwarded to each Local Government. The Valuer-General sets the standards and policies used to ensure land in Western Australia is valued in a consistent, accurate and transparent manner and the valuations determined are fair, just, equitable and correct.

There are two types of values calculated:

- Gross Rental Value (GRV) for urban areas; and
- Unimproved Value (UV) for rural land.

To calculate the rate account, councils multiply a rate in the dollar by the supplied value. The rate in the dollar is determined by the level of revenue the council wishes to raise and is dependent on their proposed budget.

Throughout Australia, the basis of using property valuations has been found to be the most appropriate means of achieving rating equity; however, the achievement of a wholly equitable rating system for all properties, in all areas, is a difficult task if it is based on the property valuations alone.

Differential Rating

Local Governments, under section 6.33 of the Local Government Act, have the power to implement differential rating in order to take into account certain characteristics of the rateable land. These characteristics include:

- The purpose for which the land is zoned under the town planning scheme in force;
- The predominant use for which the land is held or used as determined by the local government; and
- Whether or not the land is vacant.

Differential rates may be applied according to any, or a combination of the above characteristics. However, local governments are constrained in the range of differential rates that they may impose. That is, a local government may not impose a differential rate which is more than twice the lowest differential rate applied by that local government unless approval from the Minister is sought.

The overall objective of the proposed rates is to provide for the net funding requirements of the budget expenditure, after taking into account all other forms of revenue. Apart from the need to

ensure sufficient revenue to meet its expenditure needs Council must be mindful of the impact and affordability of rates to the community.

Statement of Objects and Reason for Differential Rates

The Shire of Chapman Valley services a diverse region consisting of many different land zones and uses. In order to reflect this diversity and ensure that rating levels are fair and equitable, Council imposes a differential rating system. As has been in previous budgets the Shire of Chapman Valley proposes to differentially rate Unimproved Valued land contained in the Special Control Area of the Shire of Chapman Valley Town Planning Scheme set aside for the purpose of strategic industry and deep-water port known as the Oakajee Industrial Estate and buffer areas.

The objects of, and reasons for the differential rate on Oakajee Industrial Estate properties is to recover from this sector an equitable share of the rates relating to the land held by Landcorp. This follows on from the written commitment of 14th September 1998, by the then Minister for Resources Development & Energy, the Shire of Chapman Valley should not be financially disadvantaged due to the acquisition and subsequent development of land by the State. In order to reduce the impact of the Oakajee development on all ratepayers Council sought to introduce a differential rate. To enable council to maintain a revenue base which provides various facilities, services and infrastructure to electors, residents and property owners a differential rate is again proposed for the UV Oakajee Industrial Estate.

Differential Rating Category

The following differential rate category has been established:

UV Oakajee Industrial Estate
This category includes any property zoned Oakajee Industrial Estate and Buffer within Town Planning Scheme No.1. A rate in the dollar of 2.1800 cents on Unimproved Values with a minimum of $400 is proposed.

The general Unimproved Value rating category of UV Rural General Rate is the only other Unimproved Valued category.

UV Rural General Rate
This category includes any other property in the Shire of Chapman Valley zoned Rural within Shire of Chapman Valley Town Planning Scheme. A rate in the dollar of 1.1336 cents on Unimproved Values with a minimum of $400 is proposed**.**

There is no proposed differential rating category for the Gross Rental Valuation properties for 2022/2023. The rate in the dollar is based on the valuations supplied by Landgate Valuation Services and proposed at 9.8088 cents on Gross Rental Values with a minimum of $700**.**

In implementing suitable rating systems and procedures, Council seeks to observe the principles of objectivity, fairness and equity, consistency, transparency, and administrative efficiency. Council proposes to increase the rate in the dollar for the 2022/2023 annual budget based on the Long Term Financial Plan 4% however, due to the annual revaluation of Unimproved land values the impact on an individual ratepayer may vary.

Jameon Criddle
CHIEF EXECUTIVE OFFICER

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NOTICE OF INTENTION TO LEVY DIFFERENTIAL RATES 2022/2023

Pursuant to Section 6.33 and 6.36 of the Local Government Act 1995 Notice is hereby given to ratepayers of the intention of the Shire of Chapman Valley to levy the following differential rates for the 2022/2023 rating year:

General Rates

Differential Rating Category	Rate in $	Minimum Rate
UV Rural	1.1336	$ 400.00
UV Oakajee Industrial Estate	2.1800	$ 400.00
GRV	9.8088	$ 700.00

All submissions in writing with reference to the proposed differential rates or minimum payments should be forwarded to the Shire of Chapman Valley no later than 4pm on 15 July 2022.

A document outlining the objects of, and reasons for, the proposed differential rates can be inspected at the Shire Administration Offices, 3270 Chapman Valley Road, Nabawa during normal office hours; or viewed on the website www.chapmanvalley.wa.gov.au

Jameon Criddle
CHIEF EXECUTIVE OFFICER

Draft 2022/2023 Fees and Charges

Shire of Chapman Valley
Budget For the Year Ended 30 June 2022
Fees and Charges Effective 1 July 2021

Note increases of 1.35% as per LTFP | all amendments in RED

ADMINISTRATION	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Account Enquiries and Requisitions				
Rates Account Enquiry Only (No Requisitions)	$30.00	$30.00	Per Lot	GST N/A
Orders And Requisitions Account Enquiry (No Rates)	$60.00	$60.00	Per Lot	GST N/A
Rates, Orders And Requisitions Account Enquiry	$90.00	$90.00	Per Lot	GST N/A
Instalment Administration Fee	$9.00	$9.00	Per Instalment	GST N/A
Instalment Interest Charge	5.50%	5.50%	Upper limit LGA	GST N/A
Penalty Interest On Overdue Rates And Debtors Current	7.00%	7.00%	Upper limit LGA	GST N/A
Administration fee for Debt Clearance confirmation	Cost plus $25.00	Cost plus $25.00	Per Assessment	Inc GST
Administration fee for Debt Recovery	$30.00	$30.00	Per Assessment	Inc GST
Recovery of Dishonour Fees	Cost plus $11.00	Cost plus $11.00	Per item	Inc GST
DFES ESL Penalty Interest	7.00%	7.00%	As per legislation	
Postal Boxes at Shire Office				
~~Deposit to cover fitting new lock if keys not handed in~~	~~$64.00~~	~~$64.00~~	**Recover cost as required** ~~Per Post Box~~	~~GST N/A~~
Annual fee for use of box - Non Pensioner	$64.00	$64.00		Inc GST
Discounted Annual fee - 25% discount based on Seniors Rate Eligibility Criteria	$48.00	$48.00	Per Post Box	Inc GST
Discounted Annual fee - 50% discount based on Full Pensioner Rate Eligibility Criteria	$32.00	$32.00	Per Post Box	Inc GST
Additional keys - cost recovery plus admin fee $20	$0.00	$0.00	Per Post Box	Inc GST
Copy of Rate Notice - electronic only	$5.00	$5.00	Per Copy	GST N/A
Library Services				
Lost or damaged materials while on loan	Replacement cost plus 10% admin fee	Replacement cost plus 10% admin fee	Per item	Inc GST
Maps	Cost Recovery	Cost Recovery	Per Map	Inc GST
Tourism Maps of Shire	No Charge	No Charge	No Charge	
Heritage Inventory Booklet	$27.50	$27.50	No Charge	Inc GST

Photocopying				
Black and White	$0.60	$0.60	Per A4 sheet	**Inc GST**
Colour	$2.05	$2.05	Per A4 sheet	**Inc GST**
Black and White	$1.10	$1.10	Per A3 sheet	**Inc GST**
Colour	$3.18	$3.15	Per A3 sheet	**Inc GST**
Council Minutes - Copies	$27.50	$27.50	Per Copy	**Inc GST**

ADMINISTRATION	**Draft Fees & Charges 2022/2023**	**Endorsed Fees & Charges 2021/2022**	**Charge Basis**	**GST**
Binding				
Softcover	$7.70	$7.70	Per Item	**Inc GST**
Wire Comb	$5.50	$5.50	Per Item	**Inc GST**
Plastic Comb	$4.40	$4.40	Per Item	**Inc GST**
Laminating				
A4 per sheet	$2.20	$2.20	Per Item	**Inc GST**
A3 per sheet	$2.75	$2.75	Per Item	**Inc GST**
Electoral Rolls	$20.00	$20.00	Per Roll Owners & Occupiers Only	**GST N/A**
~~**Facsimiles**~~				
~~Faxes Sent~~	~~$2.55~~	~~$2.55~~	~~Minimum Charge~~	~~**Inc GST**~~
~~Faxes Received~~	~~$0.60~~	~~$0.60~~	~~Per Sheet~~	~~**Inc GST**~~
Freedom of Information Charges (as set by FOI Act Regulations 1993)			As per current legislation	
Personal Information about the applicant	No Fee	No Fee	No Charge	
Application fee (for non personal information)	$30.00	$30.00	Per Application	**GST N/A**
Charge for time dealing with application	$30.00	$30.00	Per Hour or Pro Rata	**GST N/A**
Access time supervised by staff	$30.00	$30.00	Per Hour or Pro Rata	**GST N/A**
Photocopying staff time	$30.00	$30.00	Per Hour or Pro Rata	**GST N/A**
Photocopy	$0.20	$0.20	Per Sheet	**Inc GST**
Transcribing from tape, film or computer	$30.00	$30.00	Per Hour or Pro Rata	**GST N/A**
Film or computer information	At Cost	At Cost	Cost Recovery	**Inc GST**
Delivery, packaging and postage	At Cost	At Cost	Cost Recovery	**Inc GST**
Advance deposit which may be required by an agency under section 18(1) of the Act, expressed as a percentage of the estimated charges which will be payable in excess of the application fee	25%	25%	From Estimated Charges	**GST N/A**
Further advance deposit which may be required by an agency under section 18(4) of the Act, expressed as a percentage of the estimated charges which will be payable in excess of the application fee	75%	75%	From Estimated Charges	**GST N/A**

Further advance deposit may be required to meet the charges for dealing with the application.

For financially disadvantaged applicants with prescribed pensioner concession cards, the charge payable may be reduced by 25% at the CEO's discretion.

PROPERTY HIRE	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Venue Hire				
Note: The CEO is to impose bonds on the hire of Council facilities at their discretion				
All Venues Refundable Bond - Events without Liquor	$530.00	$530.00	Bonds to be imposed at CEOs discretion	**GST N/A**
All Venues Refundable Bond - Events with Liquor	$700.00	$700.00	Bonds to be imposed at CEOs discretion	**GST N/A**
All Venues Bond - Long Term Key Bond	$50.00	$50.00	Bonds to be imposed at CEOs discretion	**GST N/A**
Annual Booking Fee - All Community Centres & Halls (Up to 2 uses per week only)	$586.00	$586.00	Per Venue Per Annum	**Inc GST**
Exemptions: Chapman Valley & Yuna Primary School P & C's Refer Statutory Budget Notes	$0.00	$0.00	Per Annum	**Inc GST**
All Venue Hire Local Community Member	**$50.00**	**$50.00**	Upon supply of proof to evidence either a ratepayer or resident	**Inc GST**
All Venue Hire Non Local Community Member	**$150.00**	**$150.00**	Per Venue Per Use	**Inc GST**
Nabawa Community Centre				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	**Inc GST**
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	**Inc GST**
Nabawa Library - Meeting Use Only				
All Venue Hire to Local Community Groups **ONLY**	$50.00	$50.00	Subject to lockable library shelving	**Inc GST**
Yuna Multipurpose Community Centre				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	**Inc GST**
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	**Inc GST**
Main Hall only	$88.00	$88.00	per use	**Inc GST**
Kitchen	$55.00	$55.00	per use	**Inc GST**
Creche/Small Meeting Room	$44.00	$44.00	per use	**Inc GST**
Yuna Hall				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	**Inc GST**
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	**Inc GST**

PROPERTY HIRE	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Nabawa Recreaction Centre				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	Inc GST
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	Inc GST
Whole of stadium facilities	$150.00	$150.00	per use	Inc GST
Clubrooms (Upstairs area)	$75.00	$75.00	per use	Inc GST
Changerooms (1 section only)	$22.00	$22.00	per use	Inc GST
Kitchen (downstairs)	$50.00	$50.00	per use	Inc GST
Basketball Courts	$55.00	$54.00	per use	Inc GST
Oval, Kitchen, Clubroom and Changerooms Hire	$165.00	$165.00	per use	Inc GST
Bill Hemsley Park Community Centre				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	Inc GST
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	Inc GST
Whole of facilities	$150.00	$150.00	per use	Inc GST
Nanson Showgrounds				
All Venue Hire Non Local Community Member	$150.00	$150.00	Per Venue Per Use	Inc GST
All Venue Hire Local Community Member	$50.00	$50.00	Upon supply of proof to evidence either a ratepayer or resident	Inc GST
Camping fees as below.				
Bond required as per All Venue Bond above				
Nanson Showgrounds Camping- Chapman Valley Show Carnival	$275.00	$275.00	Per Week Maximum stay 2 weeks	Inc GST
Kitchen Hire Exemption - Annual Ram Sale	Exempt	Exempt	Single Use Only	GST N/A
Furniture Hire				
Tables	$10.00	$10.00	each	Inc GST
Chairs	$1.50	$1.50	each	Inc GST
Portable Shade & 10 Chair Hire	$127.27	$110.00	per hire	Inc GST

Recreation Centre Facilities

LI24 Chapman Valley Football Club	$1,942.93	$1,918.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
LI25 Chapman Valley Northampton Cricket Club (CVNCC)	$1,608.64	$1,588.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
Geraldton Regional Cricket Board - fixtures not involving the Chapman Valley Northampton Cricket Team	$72.94	$72.00	per game	**Inc GST**
LI 22 Tennis Club - Nabawa	$406.21	$401.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
Badminton Club	$19.25	$19.00	per use	**Inc GST**
LI18 Chapman Valley Western Riding Club - Showgrounds Reserve	$484.21	$478.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
LI13 Chapman Valley Agricultural Society - Showgrounds Reserve	$484.21	$478.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
LI16 Yuna Multipurpose Community Centre - CABY Management License	$1,809.22	$1,786.00	per annum -subject to change as per management license (reviewed by council annually at budget)	**Inc GST**
LI20 KiteWest Water Sports & Tours	$586.53	$579.00	per annum -subject to change as per ground lease -rent review date 1 July each year Expires 30/06/2022	**Inc GST**
LI23 Chapman Valley Historical Society	$0.00	$0.00	per annum -subject to change as per management license Peppercorn on demand expire 21/04/2027	**Inc GST**
L12 Mens Shed Inc	$0.00	$0.00	per annum -subject to change as per management license Peppercorn on demand	**Inc GST**

PROPERTY HIRE Cont	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Caravan and Camping Fees				
Camping Fees Coronation Beach - **Non Pensioner**	$15.00	$15.00	Per Person Per Night 1) Maximum of thirty (30) days in one financial year period for all campers	**Inc GST**
Camping Fees Coronation Beach - **Pensioner**	$10.00	$10.00	Per Person Per Night 1) Maximum of thirty (30) days in one financial year period for all campers	**Inc GST**
	No Charge	No Charge	**Children Under 16 when accompanied by an adult**	**GST N/A**
Camping Fees Yuna Hall - **Non Pensioner**	$0.00	$0.00	Donation Only 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Yuna Hall - **Pensioner**	$0.00	$0.00	Donation Only 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Fig Tree Crossing Reserve - **Non Pensioner**	$15.00	$15.00	Per Person Per Night 1) Overnight only - unless otherwise approved by CEO	**Inc GST**
Camping Fees Fig Tree Crossing Reserve - **Pensioner**	$10.00	$10.00	Per Person Per Night 1) Overnight only - unless otherwise approved by CEO	**Inc GST**
Camping Fees Yuna Golf Club Reserve - **Non Pensioner**	$15.00	$15.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Yuna Golf Club Reserve - **Pensioner**	$10.00	$10.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Nabawa Oval Reserve - **Non Pensioner**	$15.00	$15.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Nabawa Oval Reserve - **Pensioner**	$10.00	$10.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Nanson Showground Reserve - **Non Pensioner**	$15.00	$15.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Camping Fees Nanson Showground Reserve - **Pensioner**	$10.00	$10.00	Per Person Per Night 1) Maximum of two (2) nights - unless otherwise approved by CEO	**Inc GST**
Property Leases/licenses				
AG22 E O'Donnell	$150.00	$0.00	Legal agreement - license for grazing - $150 + GST Expires 31/12/2022	**Ex GST**
AG23 E O'Donnell	$150.00	$0.00	Legal agreement - license for grazing - $150 + GST Expires 31/12/2022	**Ex GST**
AG24 T Cooper	$150.00	$0.00	Legal agreement - license for grazing - $150 + GST Expires 30/06/2026	**Ex GST**
LI17 - T Jeffrey	$1.00	$0.00	as per license agreement $1.00 on demand Expire 30/06/2025	**Ex GST**
Animal Traps -Bond	$55.00	$55.00	Hire Agreement	**Inc GST**

REFUSE CHARGES	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Waste Management Charge - Domestic	$372.00	$367.00	per service per annum	GST N/A
Waste Management Charge - Commercial	$386.00	$380.00	per service per annum for 1-5 bins	Inc GST
Waste Management Charge - Commercial	$323.00	$318.00	per service per annum for 6-14 bins	Inc GST
Waste Management Charge - Commercial	$284.00	$280.00	per service per annum 15+ bins	Inc GST
Refuse Site Charges (Non Residents)				
Lawnclippings and greenwaste	$41.00	$40.00	per m3 (Ute or Trailer load)	Inc GST
Any/all household rubbish (deemed to be generated day to day)	$49.00	$48.00	per m3 (Ute or Trailer load)	Inc GST
Building/backyard rubble under 0.4 m3 (approximately 2 wheelbarrows)	$49.00	$48.00	per m3 (Ute or Trailer load)	Inc GST
Household oil (under 20 litres)	$49.00	$48.00	up to 20 litres	Inc GST
Special Burial (by prior arrangement only):				
Paint containers and medical waste	$213.00	$210.00	per m3 for first m3 or less	Inc GST
Crayfish offal or similar	$213.00	$210.00	per m3 for first m3 or less	Inc GST
Commercial Items				
General waste	$49.00	$48.00	per m3 (Ute or Trailor load)	Inc GST
Syringe containers - first 7 litres	$29.00	$28.00	for first 7 litre container	Inc GST
- per litre thereafter	$14.00	$13.00	per litre thereafter	Inc GST
Cardboard	$14.00	$13.00	per m3 (Ute or trailor load)	Inc GST

PRIVATE WORKS	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Private Works (Includes Operator)				
Grader Hire	$255.00	$254.00	per hour	Inc GST
Truck Hire (incl trailer/water tanker or side-tipper if required)	$303.00	$302.00	per hour	Inc GST
Light Truck Hire	$254.00	$253.00	per hour	Inc GST
Roller Hire - Vibrating	$218.00	$218.00	per hour	Inc GST
Backhoe	$278.00	$278.00	per hour	Inc GST
Bobcat (Skidsteer) Hire	$232.00	$231.00	per hour	Inc GST
Other plant not listed	$0.00	$0.00	As quoted by MWS for Private Works	Inc GST
Yellow Sand - Yuna	$3.00	$3.00	per cubic meter	Inc GST
Gravel	$8.00	$8.00	per cubic meter	Inc GST
Aggregate	$64.00	$64.00	per cubic meter	Inc GST
Other	$0.00	$0.00	Minimum charge $100 per truck load plus plant hire rates	
Administration Fee	$36.00	$36.00		Inc GST
Labour only - plant operators	$77.00	$76.00	per hour	Inc GST
Labour only - senior works staff (Works supervisor/leading hand)	$102.00	$102.00	per hour	Inc GST

LAW, ORDER & PUBLIC SAFETY	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Dog Registrations			**As per current legislation**	
Unsterilised Dog 1 Year	$50.00	$50.00	Dog Act & Regulations	**GST N/A**
Unsterilised Dog 3 Years	$120.00	$120.00	Dog Act & Regulations	**GST N/A**
Unsterilised Dog Lifetime	$250.00	$250.00	Dog Act & Regulations	**GST N/A**
Sterilised Dog 1 Year	$20.00	$20.00	Dog Act & Regulations	**GST N/A**
Sterilised Dog 3 Years	$42.50	$42.50	Dog Act & Regulations	**GST N/A**
Sterilised Dog Lifetime	$100.00	$100.00	Dog Act & Regulations	**GST N/A**
Dog kept in approved establishment licensed under s.27	$200.00	$200.00	Dog Act & Regulations	**GST N/A**
Sterilisation Certificate must be produced				
Dog Impounding Fees				
1st Day	$30.00	$30.00	For first day	**GST N/A**
Subsequent Days	$15.00	$15.00	per day	**GST N/A**
Sustenance	$7.00	$7.00	per day	**GST N/A**
Microchip of any impounded dog or cat	$44.00	$44.00		**Inc GST**
Dog Act 1976				
Unregistered Dog	$200.00	$200.00	per offence	**GST N/A**
Dog causing a nuisance	$200.00	$200.00	per offence	**GST N/A**
Dog in a public place without collar	$200.00	$200.00	per offence	**GST N/A**
Owners details and registration tag not on collar	$200.00	$200.00	per offence	**GST N/A**
Dog in a public place without a collar or tag	$200.00	$200.00	per offence	**GST N/A**
Dog not held by a leash in public	$200.00	$200.00	per offence	**GST N/A**
Uncontrolled dog in exercise/ rural area	$200.00	$200.00	per offence	**GST N/A**

Cat Registrations			**As per current legislation**	
Sterilised Male or Female 1 Year	$20.00	$20.00	Cat Act & Regulations	**GST N/A**
Sterilised Male or Female 3 Year	$42.00	$42.00	Cat Act & Regulations	**GST N/A**
Sterilised Male or Female Whole of Life	$100.00	$100.00	Cat Act & Regulations	**GST N/A**
Sterilisation Certificate must be produced				
Cat Impounding Fees				
1st Day	$28.00	$28.00	For first day	**GST N/A**
Subsequent Days	$11.00	$11.00	per day	**GST N/A**
Cat Act 2011				
Unregistered Cat	$200.00	$200.00	per offence	**GST N/A**
Failure to ensure cat is wearing its registration tag in public	$200.00	$200.00	per offence	**GST N/A**
Removing, or interfering with, a cat's registration tag	$200.00	$200.00	per offence	**GST N/A**
Failure to ensure cat is microchipped	$200.00	$200.00	per offence	**GST N/A**
Removing, or interfering with, a cat's microchip	$200.00	$200.00	per offence	**GST N/A**
Failure to ensure cat is sterilised	$200.00	$200.00	per offence	**GST N/A**
Identifying a cat as sterilised that is not	$200.00	$200.00	per offence	**GST N/A**
Transfer of a cat that is not microchipped (and is not exempt)	$200.00	$200.00	per offence	**GST N/A**
Transfer of a cat that is not sterilised (and is not exempt)	$200.00	$200.00	per offence	**GST N/A**
Failure to notify local government or microchip database company of a new owner	$200.00	$200.00	per offence	**GST N/A**
Failure to notify local government or microchip database company of a change of details	$200.00	$200.00	per offence	**GST N/A**
Breeding cats, not being an approved cat breeder	$200.00	$200.00	per offence	**GST N/A**
Cats not to be offered as prizes	$200.00	$200.00	per offence	**GST N/A**
Refusal by alleged offender to give information on request	$200.00	$200.00	per offence	**GST N/A**
Abandoned Vehicles				
Towing/Impounding of Vehicles	Cost Recovery plus 10%	Cost Recovery plus 10%	Cost Recovery plus 10%	
Ranger Attendance	Cost Recovery plus 10%	Cost Recovery plus 10%	Cost Recovery plus 10%	
Fire Prevention				
Fire Prevention Works Infringed Properties	Cost Recovery plus 10%	Cost Recovery plus 10%	Cost Recovery plus 10%	
Ranger Attendance	Cost Recovery plus 10%	Cost Recovery plus 10%	Cost Recovery plus 10%	

	CEMETERY CHARGES	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Cemetery					
1	**1** Burial - Sinking, exhumation, reopening and closing a grave***	$ 700.00	$ 700.00	to a depth of 2.1metres	**GST N/A**
	Additional sinking ordered in excess of 2.1 metres***	$ 75.00	$ 75.00	Each additional 0.3 cubic metres or part thereof	**GST N/A**
4	Re-sinking and closing any grave***	$ 700.00	$ 700.00	For the purpose of second interment or exhumation	**GST N/A**
	******Add 50% to charges above for burials on Saturdays and add 100% for burials on Sundays and Public Holidays***				
	Removal of kerbing, tiles, grass, etc	$42.00	$42.00	per hour	**GST N/A**
	Plot reservation (Burial or Niche Wall)	$285.00	$285.00	per lot	**GST N/A**
2	**2** Plot Charge (for land where grave is situated)	$57.00	$57.00	per lot	**GST N/A**
	Permission for Exhumation	$25.00	$25.00	For exhumation	**GST N/A**
5	Permission to erect a monument headstone and/or kerbing	$27.00	$27.00	Per monument headstone/kerbing	**GST N/A**
	Interment without specified notice - Extra	$27.00	$27.00	Extra for internment without notice	**Inc GST**
	Interment not in usual hours	$27.00	$27.00	Extra for internment without notice	**Inc GST**
	Single Niche Wall Position Fee	$175.00	$175.00	Single position	**Inc GST**
	Memorial Wall Position Fee	$116.00	$116.00	Single position	**Inc GST**
	Plaque for Niche Wall	$480.00	$440.00	Single position	**Inc GST**
3	**3** Funeral Directors fee for conducting funeral within cemetery	$25.00	$25.00	Funeral Directors Fee	**GST N/A**
	Maximum fee paid by each (or any one) Funeral Director shall not in any financial year (1st July to 30th June), exceed the total amount of:	$100.00	$100.00	Maximum Funeral Direction Fee	**GST N/A**

BUILDING & HEALTH	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
			Building Act	
BUILDING PERMIT CHARGES - SET BY LEGISLATION NOT BY COUNCIL			Value/Quantity	
Building Services Levy for building, demolition or occupancy permit because of damage caused by Severe Tropical Cyclone Seroja			Waiver as per Government Gazette 1469 20 April 2021	
Construction Training Fund (CTF) Levy over $20,000	0.2%x total contract price (inclusive of GST) or $200 in every $100,000 worth of project value.	0.2%x total contract price (inclusive of GST) or $200 in every $100,000 worth of project value.	Set by legislation	GST N/A
Building Commission Levy (old BRB) under $45,000	$61.65	$61.65	Set by legislation	GST N/A
Building Commission Levy (old BRB) over $45,000	0.137% of value of work	0.137% of value of work	Set by legislation	GST N/A
Building Permit Application -Certified- Class 1 or 10 s16(1)	0.19% of value of work but not less than $110.00	0.19% of value of work but not less than $110.00	Set by legislation	GST N/A
Building Permit Application - Certified -Class 2 to 9	0.09% of value of work but not less than $110.00	0.09% of value of work but not less than $110.00	Set by legislation	GST N/A
Building Permit Application - Uncertified	0.32% of value of work but not less than $105.00	0.32% of value of work but not less than $105.00	Set by legislation	GST N/A
Demolition Permit Application - Class 1 or Class 10 Residential	$105.00	$105.00	Set by legislation	GST N/A
Demolition Permit Application - Class 2 to Class 9 Commercial	$105.00 for each storey	$105.00 for each storey	Set by legislation	GST N/A
Application Fee to extend time for Building or Demolition Permit has effect	$105.00	$105.00	Set by legislation	GST N/A
Application for an occupancy permit for a completed building s 46	$105.00	$105.00	Set by legislation	GST N/A
Application for a temporary occupancy permit for an incomplete building s47	$105.00	$105.00	Set by legislation	GST N/A
Application for modification of an occupancy permit for additional use of a building on a temporary basis s48	$105.00	$105.00	Set by legislation	GST N/A
Application for a replacement occupancy permit for permanent change of the building's use, classification s 49	$105.00	$105.00	Set by legislation	GST N/A
Occupancy Permit or Building Approval cert for rego of strata scheme, plan of re-subdiv s50(1) and (2)Application Unauthorised Work s51(2)	$11.60 for each Strata Unit covered by the application, but less than $115.00	$11.60 for each Strata Unit covered by the application, but less than $115.00	Set by legislation	GST N/A
Occupancy Permit Application Unauthorised Work s51(2)	0.18% of value of work but not less than $105.00	0.18% of value of work but not less than $105.00	Set by legislation	GST N/A
Building Approval Certificate Unauthorised Work s51(3)	0.38% of value of work but not less than $105.00	0.38% of value of work but not less than $105.00	Set by legislation	GST N/A
Application to replace an occupancy permit for an existing building s52(1)	$105.00	$105.00	Set by legislation	GST N/A
Building Approval Certificate-existing building where unauthorisded work has not been done s52(2)	$105.00	$105.00	Set by legislation	GST N/A
Application to extend the time during which an occupancy permit or building approval certificate has effect s65(3)(a)	$105.00	$105.00	Set by legislation	GST N/A
			Set by legislation	
Application for Approval of Septic Apparatus	$118.00	$118.00	Set by legislation	GST N/A
Issuing of a "Permit to use an Apparatus"	$118.00	$118.00	Set by legislation	GST N/A
Health (Treatment of Sewerage and Disposal of Effluent and Liquid Waste) Regulations 1974				
Meat Inspection	Cost Recovery	Cost Recovery	At cost	Ex GST
Itinerant food vendor's license	$200.00	$200.00	per annum	GST N/A

BUILDING & HEALTH Cont	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Licenses				
Caravan Park	Set by Legislation	Set by Legislation	per annum	**GST N/A**
Caravan Parks & Camping Grounds Act 1995				
Swimming pool inspection				
Checked 4 yearly - charge spread over 4 years on rate notice	$15.00	$15.00	per annum	**GST N/A**
Building Reg Clause 53 (a) must not exceed $57.45 per year				
	$30.00	$30.00	per sample taken	**Ex GST**
Analysis of public & semi public pool water	$30.00 Min	$30.00 Min	$30.00 up to 36,000 litres then 80c kL (1,000 litres) thereafter	**GST Free**
Water from Standpipe				
Swipe Card Bond	$49.00	$49.00	Held in trust	**GST N/A**
Recoverable Water charges from Standpipes & Bores	Cost Recovery	Cost Recovery		
Food Act 2008	$50.00	$50.00	Registration Fee per premises	**GST N/A**
Development Application			**Note: Ceiling for Planning Fees set by State Government**	
- Not more than $50,000	$147.00	$147.00	Development Application	**GST N/A**
- More than $50,000 but not more than $500,000			0.32% of the estimated cost of the development	**GST N/A**
- More than $500,000 but not more than $2.5 million	$1,700.00	$1,700.00	.+ 0.257% for every $1 in excess of $500,000	**GST N/A**
- More than $2.5 million but not more than $5 million	$7,161.00	$7,161.00	.+ 0.206% for every $1 in excess of $2.5 million	**GST N/A**
- More than $5 million but not more than $21.5 million	$12,633.00	$12,633.00	.+ 0.123% for every $1 in excess of $5 million	**GST N/A**
- More than $21.5 million	$34,196.00	$34,196.00	Development Application	**GST N/A**
Note - If development has commenced or been carried out: an additional amount by way of penalty, that is twice the amount of the fee payable for determination of the application (in addition to the initial application fee)				
Amended Plans This applies where a determination is already given by the Shire or where amended plans are submitted and not requested by the Shire				
	66% of the original application fee with a minimum of $72	66% of the original application fee with a minimum of $72	66% of the original application fee with a minimum of $73	**GST N/A**
Single House - Residential Design Codes				
Performance criteria or Town Planning Scheme variation assessment	$147 - $729	$147 - $729	$73 per performance criteria/ Town Planning Scheme variation assessed with a minimum charge of $147 and a maximum of $730	**Ex GST**
Demolition				
Demolition where planning approval is required	$147.00	$147.00	per demolition	**GST N/A**
Home Based Business (including Cottage industry):				
Initial Fee	$222.00	$222.00	per application	**GST N/A**
Renewal Fee	$73.00	$73.00	per renewal	**GST N/A**
Note - If home based business or cottage industry has commenced:	an additional amount of $666 by way of penalty	an additional amount of $666 by way of penalty		**GST N/A**

BUILDING & HEALTH Cont	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Application for Change of Use or Alteration or Extension				
Change of use or for alteration or extension or change of a non-conforming use which item 1 does not apply	$ 294.00	$ 294.00	Application Change	GST N/A
Note - If change of use or the alteration or extension or change of the non-conforming use has commenced:	an additional amount of $885 by way of penalty	an additional amount of $885 by way of penalty		GST N/A
Extension of Current Planning Approval				
Extension of current Planning Approval	$131.00	$131.00	per extension	GST N/A
Relocation of Building Envelope				
Relocation of building envelope	$147.00	$147.00	per relocation	GST N/A
Development Application for Extractive Industry				
Initial Fee	$739.00	$739.00	per application	GST N/A
Note - If development has commenced or been carried out: an additional amount by way of penalty, that is twice the amount of the fee payable for determination of the application (in addition to the initial application fee)				GST N/A
Provision of a subdivision clearance:				
Not more than 5 lots	$73.00	$73.00	per lot	GST N/A
More than 5 lots but not more than 195 lots	$73.00	$73.00	per lot for first 5 lots then $35 per lot	GST N/A
More than 195 lots	$7,393.00	$7,393.00	max	GST N/A
Town Planning Scheme Amendments-Minor				
* Minor Scheme amendment (ie an amendment that involving only textural changes or rectifies a zoning anomaly) Note: 50%refundable if not advertised	$3,657.27	$3,657.27	Total with payments in stages as follows 50% refundable if not advertised	Ex GST
Town Planning Scheme Amendments-Major				
* Major Scheme Amendment (ie. an amendment that involves a zoning change) Note: 50%refundable if not advertised	$6,706.36	$6,706.36	Total with payments in stages as follows 50% refundable if not advertised	Ex GST
Structure Plans-Minor				
* Minor Structure Plans, Outline Development Plans, Subdivision Guide Plans or Similar Note: 50% refundable if not advertised	$3,043.64	$3,043.64	Total with payments in stages as follows	Ex GST
Modifications to Plans once approval given	$979.10	$979.10	Plan modifications	Ex GST
Structure Plans-Major				
Major Structure Plans, Outline Development Plans, Subdivision Guide Plans or Similar (Excluding Oakajee):	$5,493.64	$5,493.64	Total with payments in stages as follows	Ex GST
Lodgement of documentation (major)			(50% refundable if not advertised)	Ex GST
Conclusion of advertising for Council adoption (major)			advertising conclusion	Ex GST
Modifications to Plans once approval given	$1,951.82	$1,951.82	plan modifications	Ex GST

BUILDING & HEALTH Cont	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Detailed Area Plan				
Detailed Area Plan	$847.27	$847.27	per plan arrangement	**Ex GST**
Zoning Certificate				
Issue of a Zoning Certificate	$73.00	$73.00	per certificate	**GST N/A**
Section 40 Certificate				
Issue of Section 40 Certificate	$69.10	$69.10	per certificate	**Ex GST**
Planning Advice				
Issue of written planning advice	$73.00	$73.00	for written advice	**Ex GST**
Road/Right-of-Way Closures				
* Road/R.O.W./P.A.W. requests for closure	$597.27	$597.27	per request	**Ex GST**
Advertising Fee				
On site signage	$293.64	$293.64	per sign	**Ex GST**
Newspaper advertising	$293.64	$293.64	per advertisement	**Ex GST**
Planning Documents				
CD Digital Copy	$23.64	$23.64	per copy	**Ex GST**
Paper Copy	Cost recovery + 10% Administration	Cost recovery + 10% Administration	Cost recovery + 10% Administration	
Inspection				
Pre-strata Inspection	$298.10	$298.10	per inspection	**Ex GST**

NB: All fees are exempt from GST unless otherwise indicated

Fee is inclusive of all associated advertising charges

A 'minor' Town Planning Scheme Amendment is one that involves only textural changes or rectifies a zoning anomaly.

A 'major' Town Planning Scheme Amendment is one that involves the rezoning of land.

Fees are non-refundable unless otherwise stated.

Notes:

1. Cost Recovery' is calculated on the basis of costs incurred by Council from outside suppliers plus a 10% administration charge.
2. At Cost' is calculated on the basis of costs incurred by Council from outside suppliers.
3. An additional hourly rate may be levied by Council for Officer's time pursuant to the Town planning Regulations should an excessive work load be incurred.
4. Cost may increase in line with increase from supplier.

PLANNING SERVICES CHARGE - CONTRACT WORKS	Draft Fees & Charges 2022/2023	Endorsed Fees & Charges 2021/2022	Charge Basis	GST
Higher Order Strategic/Statutory Planning				
Processing and reporting on Schemes & Amendments, Strategies Development Applications & Subdivisions > $1,000,000, Structure Plans, ODP's, etc	$80.00 per hour	$80.00 per hour		**Ex GST**
Lower Order Strategic/Statutory Planning				
Processing and reporting on Developments & Subdivision Applications < $1,000,000, Preparation of Local Planning Policies, etc	$80.00 per hour	$80.00 per hour		**Ex GST**
Preparation of Minor Scheme Amendments				
Textural amendments to the Shire Town Planning Scheme	$80.00 per hour	$80.00 per hour		**Ex GST**
Telephone/Written Advice (Council Community, Govt Agencies etc)				
Advice on R Codes, general development standards, subdivision and policy requirements, and other planning matters	$80.00 per hour	$80.00 per hour		**Ex GST**
Representation on Appeals				
Includes telephone, written and in person attendance	$80.00 per hour	$80.00 per hour		**Ex GST**
Travel				
Includes officer time and vehicle costs	$50.00 per hour + $0.70 per km	$50.00 per hour + $0.70 per km		**Ex GST**
Accommodation				
General standard to be hotel/motel accommodation inclusive of dinner and breakfast	Arranged by Client	Arranged by Client		
All fees are GST inclusive and charged at 15 minute intervals (except travel and accommodation)				
Fees to be reviewed annually				

Notes

Hypothetically

1 8 hours (1 day pw) x $80.00 per hour = $33,280 pa

2 Travel from Geraldton to Mingenew return (3 hours 12 mins - 237km) @ $50 hour + $0.70 km = $325.90

3 Travel from Geraldton to Three Springs return (3 hours 22 mins- 313km) @ $50 hour + $0.70 km = $394.10

4 Travel from Geraldton to Perenjori return (6 hours 38 mins - 439km) @$50 hour + $0.70 km = $638.96

5 Travel from Geraldton to Menziesi return (20 hours 28 mins - 1,752km) @ $50 hour + $0.70 km = $2,276.40

CMP-066 WAIVER OF FEES & CHARGES APPLICATION

APPLICANT DETAILS	
Name of Organisation:	For a better Chapman Valley (FabCV) Inc
Contact Person:	Megan O'Grady
Postal Address for organisation/ correspondence:	PO Box 394, Geraldton
Phone Number:	0421644416
Email address:	fabcv20@gmail.com
Website address:	-
ABN Number:	91465019419
Is your organisation registered for GST?	☐ Yes ☒ No
Type of Organisation:	☐ Sporting Club ☒ Not-for-profit

ACTIVITY / EVENT DETAILS	
Type of Activity or Event:	Meeting/Community Events
Name of Activity or Event:	various
Location and Venue:	Nabawa Community Centre/ Yuna Community Centre Bill Hemsley Hall
Date of Activity or Event:	various - approximately 10 meetings throughout the year, and 10+ community events
Will income be generated as a result of the Activity or Event?	☑ No
Are all workers associated with the Activity or Event working in a voluntary capacity?	☑ Yes
What is the Shire Fee and Charge that is requested to be waived ?	Venue Hire and Bond Fees
Reason for request:	

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Chapman Valley
love the rural life!

We request exemption from fees to help support and enable community events within Chapman Valley. While we understand there are costs involved in maintaining facilities, venue fees can make holding events costly, and possibly prohibitive for events with a small number of people. An exemption will allow us to put more funds back into the community and meet our organisation's objectives; 'to frow, promote and connect comunity interests within Chapman Valley'.

BANK DETAILS

Account Name: For a better Chapman Valley (FabCV) Inc	BSB Number: 633000
Bank & Branch: Bendigo Bank, Geraldton	Account Number: 178777231
Account Holders Signature:	

DECLARATION

I, Megan O'Grady confirm that all of the information contained within the request form is true and correct and submit it to the Shire of Chapman Valley for consideration.

Signed: _____

Name: Megan O'Grady

Position: Secretary

Date: 2 July 2021

G:\TEMPLATES\Finance Other\CMP-066 Waiver Of Fees & Charges Application.Docx

Subject: Community Enhancement, Donations and Sponsorships Application Form

Caution: This email originated from outside of the organisation. Do not click links or open attachments unless you recognise the sender and know the content is safe.

Community Enhancement, Donations and Sponsorships Application Form

The following form was filled out on the Shire of Chapman Valley website.

Community Enhancement, Donations and Sponsorships Application Form

Name of Organisation/ Company
FOR A BETTER CHAPMAN VALLEY

Contact name:
Megan O'Grady

Contact number:
421644416

Email address:
fabcv20@gmail.com

ABN:
91 465 019 419

Organisation Type
Not for profit

Is your organisation registered for GST:
No

Brief description of your organisation
FabCV was formed in 2020, with the purpose of supporting its members to grow, promote and connect community interests within Chapman Valley and surrounds. Our inaugural fundraising event was held in March 2021 - the Rainmakers Dance. The 2021 event hosted over 150ppl, with entertainment, local food and a silent auction. The ticket prices covered costs of the event, while all sponsorship and funds raised via the silent auction went directly back into the community. This is a community event that just kept giving in 2021. Activities in our first year included:
• Community Post Seroja BBQ Breakfasts

• Inaugural Anzac Day BBQ Breakfast
• Supported a local start-up business, Country Cooks Cornucopia to provide meals to BlazeAid.
• Hosted a Post Seroja Movie Night @ Nabawa Hall (RAMS)
• Inaugural Art Series with small group activities (heavily subsidised) to promote connection, healing and communication.
o Basket Weaving with Glenda Blyth
o Wildflower Sketching with Kurrajong Farm Art
o Inks&Mixed Media with Figments & Glimpses
o Cupcake Decorating with Sweet Designs
o Children's writing workshop with Lorraine Chapman
o Children's Arts Morning with Euphorium, Woorree Scouts, WA Police & amazing local volunteers.
• JarofArts workshop for Chapman Valley, Yuna & Binnu Primary Schools.
• Community Christmas Tree, with Mucky Duck Bush band.
• Summer Movie Series in conjunction with Chapman Valley Menshed.

Are you seeking a donation or event sponsorship?
Event Sponsorship

Tiers of funding
Tier One: $100-$1,000
Tier Two: $1,001-$2,500
Tier Three: $2,500-$5,000
Tier Two

What funding amount are you requesting (exact figure required)
2000

Name of Project/ Event/ Activity
Winter Arts Series in the Chapman Valley

Brief description of Project/ Event/ Activity
A series of four different Art Events held in Winter in the Chapman Valley. The group have submitted a $7900 grant application to the 'Tackling Tough Times Together' Fund (TTTT). We hope to complement this with funds to provide catering at each workshop. This will take the pressure off local groups to provide catering. If we are unsuccessful with the TTTT grant, we will adjust the Art Series program, and the funds from this Shire grant will instead go towards paying Artists to present workshops.

The proposed events are:
- Wildflower Photography - We would like to encourage locals and visitors to get to know the unique flora of the area, through the lens of their very own phone cameras. Modern phone cameras have extensive features, which allows the everyday user to get in touch with their inner artist. We will learn how to use these features to full effect, amongst the natural beauty of Chapman Valley.

- Polymer Clay - A local business in Chapman Valley is one of the biggest Polymer Clay distributors in Australia. Importing quality clay from around the world, the Chapman Valley is fortunate to have this product and knowledge in our very own backyard. This workshop will give participants experience in shaping the clay with their hands, and using different colours to produce varying effects. In a small group scenario while undertaking an activity such as clay, participants can connect in a place where they share common interests.

- Collage Workshop - In collaboration with Mullewa Arts Development (MAD), FabCV would like to engage well-known artist Fi Wilkie from the Margaret River area, to conduct several workshops in the area. Costs would be shared with MAD to ensure workshops are affordable, and more people have access across the region. The collage workshop will have a bird theme, and the art is abstract, bright, colourful and inspired by

nature.

- Artist in Residence - Local Geraldton artist, Janeen Horne, would be based at Yuna Community Hall for 5 days. Here the artist can be inspired in a different setting, for their own works. During this time, Janeen will hold several art sessions with local students. The three schools come together in a 'Small School Hub' several days per term to share resources. The schools will schedule in this day to match the timing of the 'Artist in Residence' to have the most benefit to local students. The artist will also hold a ladies workshop, and an open workshop space where there is a 'always available' area to just pick up and create.

Participants in all workshops will be able to produce pieces that can be entered in the September Chapman Valley Agricultural Show. Greater participation in the exhibition entries is always encouraged.

Location and Venue:
Chapman Valley - exact locations to be determined

For events: Have you completed and submitted an Event Approval Form yet?
No
We will complete venue/event application forms as required when details are finalised.

Time the event area is required (including set up and pack up):
TBC

Time of Project/ Event/ Activity
TBC

Estimated number of attendees:
100+

Is there an entry fee to the Project/ Event/ Activity
Yes

Will the event be run by volunteers?
Yes

Is the event open to the local community and general public?
Yes

Project/ Event/ Activity Budget
Please list line items for the overall/ total project budget
Polymer Clay Workshop
- Artist & Materials $100pp/pp *15ppl = $1500 TTTT (Tackling Tough Times Together Grant Application)
- Catering $500 SoCV grant
- Venue $150 FabCV
- Volunteer Project Management $30x10hours = $300 Inkind
- Ticket Income = $300

Wildflower Walk
- Sophie Xiang Phone Photographer- $150 x 2 event plus travel costs = $800 – TTTT
- Botanist - $100ph x 3hour events x 2 events = $600 TTTT
- Catering $500 – SoCV
- Volunteer Project Management - $30 x 20hours = $600 INKIND
- Ticket Income $10/pp x 20 ppl = $200

Collage Workshop

- Artist $2400 TTTT
- Workshop Materials $250 TTTT
- Travel half - $200 FabCV
- Catering - $500 SoCV
- Venue - $150 FabCV
- Volunteer Project Management - $300
- Ticket Income $50/pp * 12 ppl = $600

Artist in Residence
- Artist $500pd x 5 days = $2500 TTTT
- 2 x School Workshops $500 – CABY
- Ladies Workshop Ticket Income = $200
- Catering $500 SoCV
- Venue $150 FabCV
- Volunteer Time - $30ph/20hrs = $600 INKIND

TOTAL PROJECT COST $13000
INKIND TIME - $1200
INKIND VENUE HIRE - $600
TICKET INCOME - $1300
TTTT Grant Application - $7900
SoCV GRANT APPLICATION $2000

Please list a breakdown of proposed expenditure for Shire funding amount requested:

Catering - $500 x 4 events = $2000

Are you expecting any other funding for your project (your organisation contribution, sponsorship, other grants)

Yes
Tackling Tough Times Together Grant - $7900

Bank details
Account name:

For A Better Chapman Valley

BSB number:

633000

Account number:

178777231

Bank & Branch:

Bendigo Bank - Geraldton

In-kind contribution (volunteer time @$30 per hour):

$1200

What marketing and media opportunities are there available to promote the project/ event?

The Shire of Chapman Valley will be listed as an event sponsor in all publications/marketing and radio interviews.

ASSESSMENT CRITERIA
Sense of Community. To what extent does the Project/ Event/ Activity nurture a sense of community in Chapman Valley?

Arts and culture play a major role in building and sustaining resilient, healthy and vibrant communities. These workshops will help to bring the benefits of arts within reach of our rural community.
FabCV ran a series of seven workshops in Winter 2021, which were very well received

and were timely after cyclone Seroja. Important feedback suggested social connection was easily facilitated in the small groups focusing on a creative activity. The small group sizes engaged in an activity of shared interest led to opening up about the experience and impacts of the recent cyclone. To organise the 2021 art series, our group called on local artists who willingly volunteered their time. We would not, however, expect artists to continue to work unpaid, and to do so would diminish the importance and value of their work.

Activation. To what extent does the Project/ Event/ Activity activate a public or private space in Chapman Valley?

The four events will be held in different locations across Chapman Valley - Yuna, Nabawa and Park Falls. One of the main aims is connection - to eachother and to country.

Economic. To what extent does the Project/ Event/ Activity deliver economic benefits to the local businesses in the Shire of Chapman Valley?

FabCV will be partnering with other local community groups and local business eg. 2Wards Polymer Clay.

Management. To what extent does the applicant have capacity to deliver a successful Project/ Event/ Activity

After successfully delivering 7 workshops in 2021, the group decided to reduce the number of workshops this year to make it more sustainable for volunteers.

GENERAL DETAILS

Is the project subject to an existing management licence or similar arrangement?

No

Is the project undertaken on Shire of Chapman Valley owned property?

Yes

Do you have public liability insurance? If yes, please attach a copy of 'Certificate of Currency'

Yes

Is this project dependant on Shire funding to proceed?

No

Does your project include other local organisations?

Yes

Do you agree to acknowledge the Shire's contribution to your project in all media, promotional documents and visual signage?

Yes

DECLARATION .

All Shire approvals for this project will be in place prior to the commencement of the project
Acknowledgment will be given of Shire of Chapman Valley support for this project in any publicity, images, or website material.
I give permission for use of images and media promotion by the Shire of Chapman Valley in relation to this project
It is my responsibility to inform the Shire of any significant changes to my project/ event/ activity
The information in this form is correct and accurate at the time of submitting.

DECLARATION

Name:
Megan O'Grady

Position in Organisation:
Secretary

Date
7/5/22

Submitted:
7/05/2022 2:52:41 PM

IP:
119.12.219.129

Reference Id:
00325

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UNCONFIRMED MINUTES

COMMUNITY GROWTH FUND ADVISORY GROUP

29 MARCH 2022
11.30 AM
COUNCIL CHAMBERS
NABAWA

Community Growth Fund Advisory Group	Purpose: Evaluate application received for funding under the Shire of Chapman Valley Community Growth Fund program in accordance with guideline, policies and procedures set by Council and make recommendations to Council to allocate funds **Delegation – Nil**	<u>President (Presiding Member) & 3 x Councillors (Members)</u> • Cr Warr (President) • Cr Davidson • Cr Low • Cr Royce ~ Chief Executive Officer ~ Manager Finance & Corp Services ~ Community Development Officer

DISCLAIMER

No responsibility whatsoever is implied or accepted by the Shire of Chapman Valley for any act, omission or statement or intimation occurring during Council Meeting. The Shire of Chapman Valley disclaims any liability for any loss whatsoever and howsoever caused arising out of reliance by any person or legal entity on any such act, omission or statement or intimation occurring during Council or Committee Meetings.

Any person or legal entity who acts or fails to act in reliance upon any statement, act or omission made in a Council Meeting does so at that person's or legal entity's own risk.

The Shire of Chapman Valley warns that anyone who has any application or request with the Shire of Chapman Valley must obtain and should rely on written confirmation of the outcome of the application or request of the decision made by the Shire of Chapman Valley.

Jamie Criddle
CHIEF EXECUTIVE OFFICER

COMMUNITY GROWTH FUND ADVISORY GROUP MEETING
9.00AM – 29 MARCH 2022 COUNCIL CHAMBERS, NABAWA

Purpose of the Advisory: Evaluate applications received for funding under the Shire of Chapman Valley Community Growth Fund program in accordance with Guidelines, policies and procedures set by Council and make recommendations to Council to allocate funds

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ORDER OF BUSINESS

1.0 Declaration of Opening / Announcements of Visitors

I would like to acknowledge the traditional owners of the land we are meeting on today, the Naaguja people, and we pay our respects to elders both past, present and emerging.

2.0 Record of Attendance

2.1 Present

Elected Members	In	Out
Cr Kirrilee Warr (Presiding Member)	11.30am	1.08pm
Cr Beverley Davidson	11.30am	1.08pm
Cr Catherine Low	11.30am	1.08pm
Cr Trevor Royce	11.30am	1.08pm

Officers	In	Out
Jamie Criddle (Chief Executive Officer)	11.30am	1.08pm
Solataire Cameron (Community Development Officer)	11.30am	1.08pm
Dianne Raymond **(**Manager Finance and Corporate Service)	11.30am	1.08pm

2.2 Apologies

3.0 Disclosure of Interest

Members should fill in Disclosure of Interest forms for items in which they have a financial, proximity or impartiality interest and forward these to the Presiding Member before the meeting commences.

Section 5.60A:
"*a person has a **financial interest** in a matter if it is reasonable to expect that the matter will, if dealt with by the local government, or an employee or committee of the local government or member of the council of the local government, in a particular way, result in a financial gain, loss, benefit or detriment for the person*."

Section 5.60B:
*"a person has a **proximity interest** in a matter if the matter concerns –*
(a) a proposed change to a planning scheme affecting land that adjoins the person's land; or
(b) a proposed change to the zoning or use of land that adjoins the person's land; or
(c) a proposed development (as defined in section 5.63(5)) of land that adjoins the person's land."

Regulation 34C (Impartiality):

*"**interest** means an interest that could, or could reasonably be perceived to, adversely affect the **impartiality** of the person having the interest and includes an interest arising from kinship, friendship or membership of an association."*

Interests	
Cr Kirrilee Warr (Presiding Member)	Member of CVAS, Yuna CWA, FABCV,
Cr Beverley Davidson	Member of CVHS
Cr Catherine Low	
Cr Trevor Royce	

4.0 Petitions / Deputations / Presentations

5.0 Agenda Items

5.1 Confirmation of the previous Community Growth Fund Advisory Group notes from 2021/2022.

MOVED: Di Raymond **SECONDED: Cr Davidson**

ADVISORY GROUP RECOMMENDATION

The meeting notes from the 2021/2022 Community Growth Advisory Group of the Shire of Chapman Valley be confirmed as a true and accurate record of proceedings. (Supplied under separate cover)

Voting F7/A0
CARRIED
Minute Reference CGF 03/22-1

5.2 Consideration of Applications Received and Recommendation to Council

- A copy of the Council approved "Community Growth Fund Operational Procedures – CMP-067" under separate cover for Advisory Group guidance in evaluating applications. *(see **Attachment A)***
- Copies of all applications are supplied under separate cover for Advisory Group consideration. *(see **Attachment B)***
- Matrix Summary of all applications are supplied under separate cover. (see ***Attachment C)***

MOVED: Cr Warr **SECONDED: Cr Royce**

11.37am Suspend standing orders.

Voting F7/A0
CARRIED
Minute Reference CGF 03/22-2

Discussion was undertaken on the item

MOVED: Cr Davidson **SECONDED: Cr Royce**

1.05pm Reinstate standing orders.

Voting F7/A0
CARRIED
Minute Reference CGF 03/22-3

MOVED: Cr Davidson **SECONDED: Cr Low**

ADVISORY GROUP RECOMMENDATION

Council endorses the following (attached) funding allocation under the Shire of Chapman Valley's Community Growth Funds for 2022/2023 budget consideration.

Chapman Valley Agricultural Society	What Does the Chapman Valley Show Mean to you? (Banner project)	$ 5,000
Yuna CWA	Yuna CWA buildings restoration	$ 10,000
Chapman Valley Historical Society	Bush Timber & Iron Lean-To Structure Over Gas Barbecue	$ 2,500
		$ 17, 500

Voting F7/A0
CARRIED
Minute Reference CGF 03/22-4

6.0 General Business

Nil

7.0 Meeting closure

The Presiding Member thanked the Advisory Group members for their attendance and declared the meeting closed at 1.08pm.

2022-																
							Budget: details			Budget: Other sources of funding		Budget: In-kind		Budget: Expenditure		
	Applicants	Contact	Project title	Project description	Project location	Project dates	Total cost of project	How much funding are you applying for?	2022-23	Source	Amount	In-kind	Amount (volunteer time @$30 per hour)	Source	Cost	CGF Advisory Group meeting Notes
1	**Chapman Valley Menshed**	Ralf Mulks	Upgrade of Menshed shed signs	The signs on the outside of the Menshed are deteriorating quickly and are in need to be replaced.	Nabawa	Aug-22	$ 1,232.0	$1,000.0	$0.0	CV Menshed	$232.0	6 people x 1 hrs = 6hrs x $30= $180	$180.0	Quote: RGI Signworks	$1,232	NO, redirect to maintainence or building committee
2	**Chapman Valley Agricultural Society**	Liz Eliott-Lockhart	BBQ's for Outdoor Camp Kitchen	We would like to install 2 outdoor commercial bbq's at the new outdoor gazebo/bar area	Nanson Showgrounds	Jun (Aug) Aug 2022	$ 15,000.0	$5,000.0	$0.0	CBH Grassroots application- awaiting outcome	$5,000.0		$1,920.0	Parkquip 1. Electric BBQ 2. Accessible electric BBQ 3. Contract electrician required to wire them in	1. $4815, plus delivery 2. $5620, plus delivery	NO, redirect to maintainence or building committee, further due diligence required including Management License agreement
3	**Chapman Valley Agricultural Society**	Liz Eliott-Lockhart	What Does the Chapman Valley Show Mean to you?	To create a series (12 proposed) of roadside banners and with various locals and community groups in conjunction with Agricultural art work for the shed space at the Nanson Showgrounds. Also, murals on shed walls.	Nanson Showgrounds	Jun- Aug 2022	$ 20,000.0	$5,000.0	$5,000.0	Applied to the Department of Local Government, Sport & Cultural Industries for assistance		6hr sessions for each group for facilitator CVAS rep	$2,160.0	1. Blank Vinyl Banners 2. Poles - Abrolhos Steel 80mm metal pole 6.5m length (require 6) 3. Banner/Support Poles - Abrolhos Steel 20mm metal pole 2.4m required per banner (require 6 x 6.5 length) 4. Metal rungs and clamps 5. Paint	1. $748 (12) 2. $230 +GST= $1518 3. $57.50+ GST each, $345 (6) 4.$1174 5. $2000	YES, subject to Shire approval of pole location. Note: Cr Royce a no for banners.
4	**Yuna CWA**	Jasmyn Allen	Yuna CWA buildings restoration	Our project is primarily to remove all asbestos on site, we plan to restore small historic engine room which is used as multipurpose storage, craft and activity room, make good all external fittings on both CWA buildings, re build patio, reline external part of a main hall kitchen extension and reline interior of both kitchen and small storage room internally within large hall.	Yuna CWA Hall	August to December 2022	$ 66,000.0	$10,000.0	$10,000.0	1. Confirmed:CBH funding; 2. Own CWA resources; 3. AGT for engine room restoration and toilet upgrade; 4. CWA of WA Jubilee Fund, planned application; 5. Private donations; 6. Air conditioner being donated.	1. $10,000 2. $3000 3. $20,000 4. $26,000	Volunteer hours, 5x full day busy bees, with 6 people at each day	$6,000.0	we plan to remove asbestos from external kitchen walls, reclad in durable external hardflex or corrugated iron and repaint to match all other buildings	$10,000	YES
5	**Yuna Primary School P&C**	Corrine Smith	Small Pool Shade Sail Replacement	The P and C would like to cover the costs of a shade sail that covering one of the pools on the Yuna School site. Presently, the pool is out of action due to the high water temperature (as in full sun) and the risk of amoebic meningitis. The project involves the replacement and erection of a large shade sail over the wading pool on the school site	Yuna Primary School	Asap	$ 5,500.0	$5,500.0	$0.0	No	No	N/A	N/A	1. Shade sail 2. Travel 3. Erection	1. $4500 2. $500 3. $500	NO, Council Policy doesn't support temporay structures. Education Dept land
6	**For a Better Chapman Valley (FABCV)**	Megan O'Grady	Winter Art Series in Chapman Valley	A series of four different Art Events held in Winter in the Chapman Valley. The proposed events are: - Wildflower Photography, Polymer Clay, Collage Workshop, Artist in Residence - Local Geraldton artist, Janeen Horne Grant funding request is for catering	Chapman Valley - exact locations to be determined	Winter 2022 - exact workshop dates to be determined	$ 13,000.0	$2,000.0	$0.0	Tackling Tough Times Together Grant	$7,900		$1,200.0	1. TOTAL PROJECT COST 2. INKIND TIME 3. INKIND VENUE HIRE 4. TICKET INCOME 5. TTTT Grant Application 6. SoCV GRANT APPLICATION Complete project budget breakdown available as attachment	1. $13000 2. $1200 3. $600 4. $1300 5. $7900 6. $2000	YES, redirect to donation and community events sponsorship for first application
7	**Chapman Valley Historical Society**	Pam Batten	Bush Timber & Iron Lean-To Structure Over Gas Barbecue	Currently the gas barbecue is sitting on a concrete pad with no protection from the weather. Planning for the barbecue does go back to around 2008. We believe it was a stage of the application by the Shire for a Federal Government Stimulus Package Grant. A carport type structure that compliments the Arbour Area will complete the early planning. When it was being used towards the end of 2021, a member did become unwell due to no protection. This area of the Heritage Precinct is used for weddings, family gatherings, group and school children visits.	Nanson	1st September 2022 – 30th June 2023	$ 3,000.0	$2,500	$2,500	CVHS Cash	$500			Quote estimate is from Anthony Abbott , Shire of Chapman Valley		YES
8																
	Totals						**$ 123,732.0**	**$31,000**	**$17,500**							

YUNA CWA

27/5/2022 | yuna.cwa@gmail.com

ATTN:

Jamie Criddle

Chief Executive Officer

Shire of Chapman Valley
PO Box 1
Nabawa WA 6532

Dear Jamie, please find attached waiver request for fees and charges for Monday 19th September 2022 for the 90th celebration of Yuna CWA. We hope you will be able to honour our request.

Warmest regards,

Susanne Warr

President CWA of Yuna Branch.

Mail | 1510 Balla Whelarra Rd, Yuna
Telephone | 0428910240

SHIRE OF
Chapman Valley
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CMP-066 WAIVER OF FEES & CHARGES APPLICATION

APPLICANT DETAILS	
Name of Organisation:	**Yuna CWA**
Contact Person:	**Susanne Warr**
Postal Address for organisation/ correspondence:	**5585 Chapman Valley Road**
Phone Number:	0428317299
Email address:	**yuna.cwa@gmail.com**
Website address:	
ABN Number:	
Is your organisation registered for GST?	☐ Yes ☐ No
Type of Organisation:	☐ Sporting Club ☐ Not-for-profit

ACTIVITY / EVENT DETAILS	
Type of Activity or Event:	**Afternoon tea**
Name of Activity or Event:	**Yuna CWA 90th Birthday**
Location and Venue:	**Yuna Hall**
Date of Activity or Event:	**Monday 19th September 2022**
Will income be generated as a result of the Activity or Event?	☐ No
Are all workers associated with the Activity or Event working in a voluntary capacity?	☐ Yes
What is the Shire Fee and Charge that is requested to be waived ?	
Reason for request:	

SHIRE OF
Chapman Valley
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Yuna CWA wish to waver the hire cost of the hall and the bond. Our reasoning for this is that we clean the hall prior to the event and after the event also the time it takes to return the bond money to the account. We are a service organisation this event is part of our 90th celebration of Yuna CWA and our 28 members do a lot for the community so we feel that our request to wave this hire fee and bond should be granted. Thank you.

BANK DETAILS

Account Name: CWA of WA Yuna Branch BSB Number:633000

Bank & Branch: Bendigo Account Number:165781881

Account Holders Signature:

DECLARATION

I, Susanne Warr confirm that all of the information contained within the request form is

true and correct and submit it to the Shire of Chapman Valley for consideration.

Signed: Susanne Warr **Name: Susanne Warr**

Position: President **Date: 27/05/2022**



Batavia LEMC Local Recovery Plan

2022

☐ Public Copy

☐ Restricted Copy

Approved by LEMC meeting:

Date of Approval:

Review Date:

This is a sub-plan of the Batavia LEMC Local Emergency Management Arrangements and as such needs to be read in conjunction with these Arrangements. This Recovery Plan has been produced and issued under the authority of the Emergency Management Act 2005, endorsed by the Batavia Local Emergency Management Committee (LEMC) and has been tabled with the Midwest Gascoyne District Emergency Management Committee (DEMC).

Amendment Record and Distribution Matrix

Refer to the Batavia LEMC Local Emergency Management Arrangements.

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1 Introduction

Disaster recovery is the coordinated process of returning an affected community to a normal level of functioning after a disaster. Recovery is part of emergency management, which also includes the components of Prevention, Preparedness and Response. Planning for recovery is integral to emergency preparation.

Recovery management is the coordinated process of supporting "emergency affected communities in the reconstruction and restoration of physical infrastructure, the environment and community, psychosocial, and economic wellbeing" *(Emergency Management Act 2005).*

This Local Recovery Plan is to be read in conjunction with:

- Emergency Management Act 2005
- State Emergency Management Plan 2019
- State Emergency Management Procedures 2019
- Batavia Local Emergency Management Arrangements

1.1 Authority

This Plan has been prepared in accordance with the requirements of s.41(4) of the Emergency Management Act 2005 and forms part of the Batavia Local Emergency Management Arrangements (LEMA) for the City of Greater Geraldton, Shire of Chapman Valley and the Shire of Northampton (collectively known as the Batavia Local Governments, Or Batavia LG's). The LEMA has been endorsed by the Batavia Local Emergency Management Committee and has been tabled with the Midwest-Gascoyne District Emergency Management Committee.

1.2 Purpose

The purpose of the Local Recovery Plan is to describe the arrangements for effectively managing recovery operations at a local level and to facilitate the affected community undertaking its own recovery.

1.3 Objective

The objectives of the Plan is to:

- Describe the roles, responsibilities, available resources and procedures for the management of recovery from emergencies for the Batavia LEMC.
- Establish a basis for the coordination of recovery activities at the local level.
- Provide a framework for recovery operations.
- Ensure effective, coordinated management of recovery operations within the Batavia LGs
- Ensure the plan complies with State emergency management arrangements.
- Identify the roles and responsibilities of HMAs, emergency services, support organisations and the Batavia LGs whilst promoting effective liaison between all organisations.
- Ensure community engagement throughout recovery management.

1.4 Scope

The scope of the recovery plan is within the boundaries of the Batavia Local Emergency Management Committee member local government and forms a part of its Local Emergency Management Arrangements. It details the local recovery arrangements for the community.

2 Related Documents And Arrangements

This Plan is consistent with State Emergency Management policies and State Emergency Management Plans, to enable integrated and coordinated delivery of emergency management within the Batavia LGs. The following documents are related to this Plan:

- Batavia Local Emergency Management Arrangements.

3 Resources

The Local Recovery Coordinator (LRC) is responsible for the determination of resources required for recovery activities, in consultation with the HMA. This determination is made in consultation with the Local Recovery Coordinating Committee (LRCC) and support organisations, during the initial stages of the recovery process. The Batavia LG's resources and community resources are noted in the 'Resource and Contact Register' contained within the Local Emergency Management Arrangements. If the LRCC is convened, the LRC will continue to assess requirements for the restoration of services and facilities including the determination of the resources required for the recovery process. The LRCC will source and coordinate external and internal resources, including the provision of staff.

3.1 Local Government Staff

Once the LRCC has been activated, all staffing matters will be coordinated by the LRCC including the rostering of staff, attendance monitoring timesheets), OH&S etc., in accordance with the member local government Operational Policies.

3.2 Local Volunteer Coordination

Where possible, all offers of, or requests for, volunteer assistance with recovery activities should be coordinated through the LRCC. Spontaneous volunteers are a valuable, flexible resource that could be used to support existing volunteers and personnel to take up more active responsibilities in aiding with recovery operations. Local volunteers usually have more familiarity with the local community and local area, and an understanding of available resources. Forms for the management of volunteers following a disaster are available at Annex B.

Visit the Volunteering WA website https://volunteeringwa.org.au/ for more information.

3.3 Local Recovery Coordination Centre

It may be necessary to establish a Recovery Coordination Centre if extensive recovery activities are likely to be carried out. The purpose of the Centre is to coordinate the recovery process undertaken by various agencies in terms of resources, information and tasks.

The Local Recovery Coordination Centre will be located at the Emergency Services Centre, if this location is unavailable or deemed unsuitable, the LRC will designate an alternative location as soon as possible and publicise the location and contact numbers after relocation.

Centre Name	Address	Contacts
Emergency Communication Centre, City of Greater Geraldton	Airport Road, Geraldton WA 6530	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
Shire Offices, Shire of Chapman Valley	3270 Chapman Valley Rd, Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Shire Offices, Shire of Northampton	199 Hampton Rd, Northampton WA 6535	Phone: 08 9937 1097 council@nothampton.wa.gov.au
Allen Centre, Shire of Northampton	Grey Street, Kalbarri WA 6536	Phone: 08 9937 1097 council@northampton.wa.gov.au

3.4 Recovery Information Centre /One-Stop-Shop

A Recovery Information Centre/One-Stop-Shop will be established when required by the LRCC. The purpose of the Centre is to provide information and advice to the community on the progress of recovery, special arrangements and services. The location and contact details of the Centre will be disseminated to the community when it has been established.

A recovery centre is also designed to centralise the delivery of Local, State and Commonwealth government and non-government services to people affected by a disaster. The Recovery Information Centre may or may not be co-located with the Local Recovery Coordination Centre, depending on the size and complexity of the disaster.

Centre Name	Address	Contacts
City Offices, City of Greater Geraldton	63 Cathedral Avenue, Geraldton WA 6530	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
City Offices, City of Greater Geraldton Mullewa	Corner of Thomas and Padbury Street, Mullewa 6630	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
Shire Offices, Shire of Chapman Valley	3270 Chapman Valley Road Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Nabawa Community Centre, Shire of Chapman Valley	3320 Chapman Valley Road Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Bill Hemsley Park Community Centre, Shire of Chapman Valley	Redcliff Concourse, White Peak	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Yuna Multi-Purpose Community Centre, Shire of Chapman Valley	Chapman Valley Road, Yuna 6961	Phone: 08 9937 1097 council@nothampton.wa.gov.au
Shire Offices, Shire of Northampton	199 Hampton Road, Northampton WA 6535	Phone: 08 9934 1202 council@nothampton.wa.gov.au
Allen Centre, Shire of Northampton	Grey Street, Kalbarri WA 6536	Phone: 08 9937 1097 council@nothampton.wa.gov.au

3.5 Financial Arrangements

The local government authorities will utilise the following regarding financial arrangements for recovery where required:

- Where appropriate the individual local government may establish a cash reserve for Community Recovery, for a determined level of risk to the community,
- Use of S6.8(1) and S6.11(2) of the Local Government Act 1995 with respect to expenditure of funds not included in the annual budget,
- Local Government (Financial Management) Regulations 1996 – regulation 18(a) provides exemption for Council to make budget related decisions in emergencies without giving local public notice of changes to financial reserves,
- Use of S6.20(2) of Local Government Act 1995 enabling borrowing of funds, subject to one month's local public notice of the proposal and exercising of the power to borrow by absolute majority decision of Council.

The following arrangements have been made to fund recovery activities if necessary:

- Disaster Recovery Funding Arrangements – Western Australia (DRFA-WA),
- Lord Mayor's Distress Relief Fund (LMDRF),
- Centrelink,
- Department of Communities.

3.6 Financial Management

Financial management is a key aspect in providing support to a recovery plan, the relevant Local Government agencies will develop a strategy to ensure successful implementation of recovery programs ensuring adequate and timely expenditure of funds. Financial Management Arrangements will include:

- Identification of funding streams (local, state and federal level),
- Prioritisation of requirements for funding,
- Management of funds over time in a transparent manner (receipts of grants, funds, donations, payouts),
- Liaison and cooperation with other agencies in both the private and public sector,
- All funds regardless of their source remain subject to the *Local Government Act 1995*, Part 6 – Financial Management. Subsequently, consideration should be given to utilising appropriately trained/experienced finance staff during recovery, to ensure adherence to the aforementioned Act, and appropriate record keeping throughout.

3.7 Donations of Cash

State Emergency Management Recovery Procedure 1 outlines the policy for initiating and managing appeals and donation. The LRCC may encourage the use of the Lord Mayor's Distress Relief Fund for people wanting to make cash donations, although if deemed necessary, may open a separate account specifically for cash donations.

Visit www.appealswa.org.au for further information and application forms.

The commencement of an appeal fund does not override the statutory obligations, on the part of government agencies, to provide welfare, relief and reconstruction assistance to those affected by emergencies.

3.8 Donations of Service and Labour

Any donations of service or labour to assist with the recovery from a disaster, should be administered by the affected Local Government or if established, the LRCC. Where the State Government level recovery coordination arrangements are activated under State Emergency Management Plan 6. Recovery - the Recovery Services Subcommittee may arrange the administration of donations of services and labour**.**

3.9 Donations of Goods

The donations of goods to assist victims to recover from a disaster may be arranged by non-government organisations. The distribution of the donated goods shall be undertaken by the organisations concerned. Appeals for donations of physical items such as food and furniture should be discouraged unless specifically requested through the LRCC.

3.10 Non-Government Organisations (NGOs)

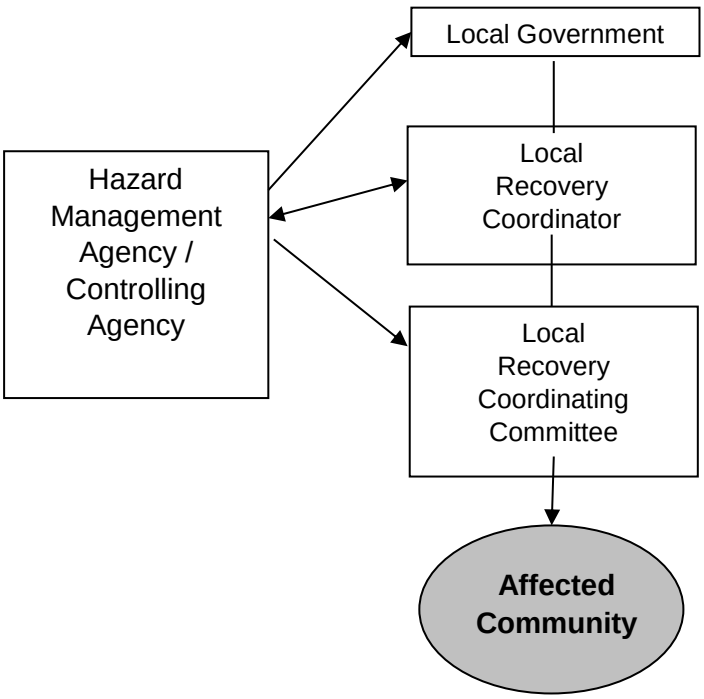
NGOs can provide assistance by way of emergency relief funds, shelter, accommodation or household supplies. Where possible, all offers of, or requests for, assistance should be coordinated through the LRCC to avoid duplication of effort and confusion.

4 Roles and Responsibilities

4.1 Recovery Structure

During the response phase of an incident, the following structure will be adopted by default, until the incident transitions from Response to Recovery, however the structure of Local Recovery Coordinating Committee is considered dynamic, and the composition and roles within the group will change depending upon the disaster being recovered from.

Initial Recovery Management Structure *(during response phase)*

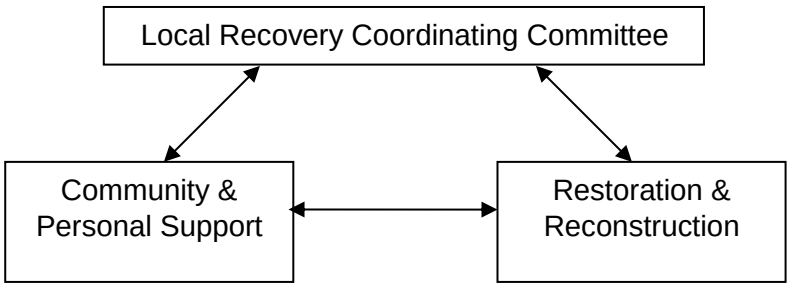


This structure sees the coordination and communication between the Hazard Management Agency (HMA) / Controlling Agency (CA), and the Local Government authority, including the Local Recovery Coordinator being included in the HMA / CA Incident Support Group briefings and meetings.

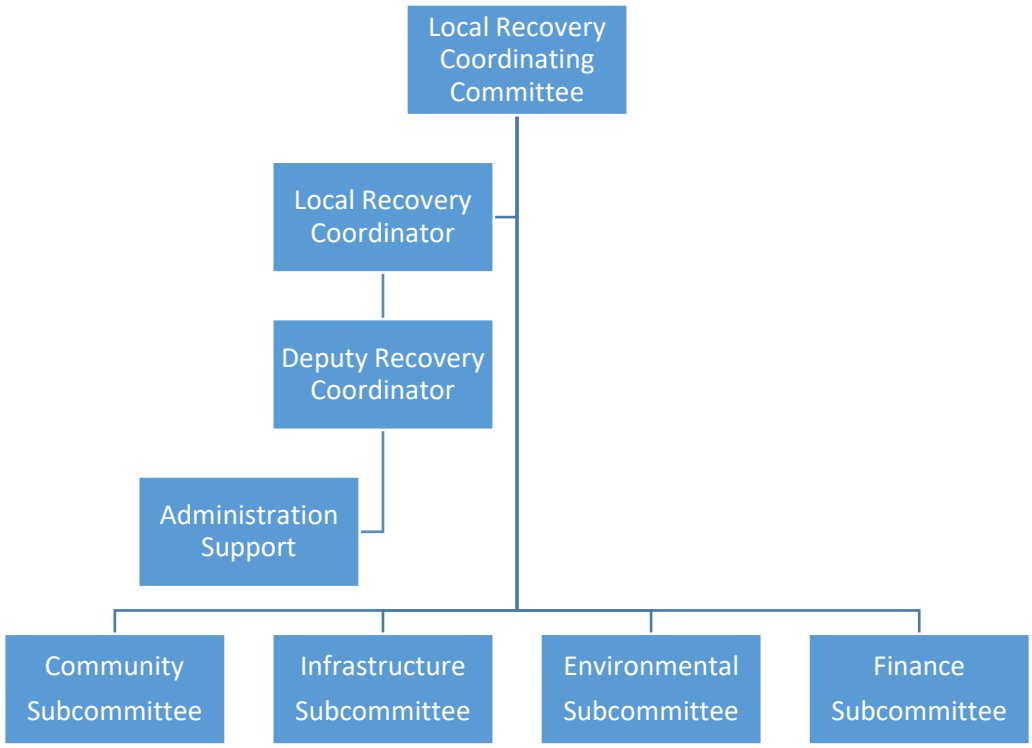
During the Recovery phase, this structure will change dependent upon the disaster, which will largely dictate required recovery actions i.e. a significant infrastructure sub-committee and associated functions may not be required for a bushfire that only affects pastoral land owners or nature reserve land.

Recovery Committee Structures

(following handover from CA/HMA to Local Government)



The above diagram illustrates a basic Recovery Committee structure, which the relevant Local Government authorities may adopt dependent upon complexity and impact of the disaster. For more complex disasters, the below structure will be applied. Position descriptions for roles, and guidance for subcommittee functions is included at Annex F. These structures can be scaled up or back as the situation dictates.



4.2 Local Recovery Coordinator

For the City of Greater Geraldton, The Coordinator, Emergency Management has been appointed as the Local Recovery Coordinator (LRC) in accordance with the Emergency Management Act 2005, S 41. (4).

For the Shire of Chapman Valley the CEO for the Shire has been appointed LRC.

For the Shire of Northampton the CEO for the Shire has been appointed LRC

The LRC is responsible for coordinating the recovery in conjunction with the LRCC and adhering to the plans, strategies and policies determined by the LRCC.

The LRC is also responsible for preparation, maintenance, testing and implementation of recovery management arrangements in accordance with Emergency Management Act 2005 and in consultation with Local Government.

A position descriptions of the Local Recovery Coordinator role, Deputy Local Recovery Coordinator and Local Recovery Coordinating Committee are available at Annex D.

4.3 The Local Recovery Coordinating Committee (LRCC)

The role of the LRCC is to coordinate and support local management of the recovery processes within the community. The LRCC comprises a core membership plus additional personnel depending on the type and magnitude of the event and the community affected.
The composition of the group is as follows:

Executive	Core Members	Co-opted Members
Chairperson (LGA Mayor/President)	Local Government Officers,	Department of Primary Industry and Regional Development
Local Recovery Coordinator	Hazard Management Agency(s)	Department of Biodiversity, Conservation & Attractions
Secretary (TBA)	Department of Health and or Environmental Health Officer	
Local Emergency Coordinator (OIC Police)	Department of Communities	Utilities (power, water, gas, etc.)
	Australian Red Cross	Main Roads WA
	WA Police Force	Education representative
	Community Representative/s, and if established Chairpersons of sub-committees	Community Groups
		Chamber of Commerce
		Insurance Council Rep
		Others as required.

The role of the LRCC is to coordinate and support local management of the recovery process within the community. Checklists for both the Local Recovery Coordinator and the Local Recovery Coordinating Committee are available at Annex E. These checklists detail tasking for each entity.

4.4 Local Recovery Coordinating Committee Subcommittees (where required)

Dependent upon the extent of the recovery process required, the following sub-committees may be established to assist the LRCC in the management of the recovery process.

- Community (Social)
- Infrastructure (Built)
- Environment (Natural)
- Finance (Economic)

Guidance for LRCC Sub-committees is available at Annex F.

5 Commencement of Recovery

5.1 Transition from Response to Recovery

The responsibility for coordinating recovery arrangements rests with the affected Local Government. State-level assistance may be required where the delivery of recovery services, or the coordination required to deliver recovery services, exceeds the capacity of the Local Government.

To ensure that appropriate recovery activities are initiated as soon as possible after impact of the event, the Controlling Agency / Hazard Management Agency (HMA) is to ensure the LRC is notified of the event. The LRC is to liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate. (Refer to State Emergency Management Policy 6.1 for more information)

The Incident Controller is to complete and sign the Comprehensive Impact Assessment to confirm the accuracy of the information and handover the responsibility to Local Government. The LRC will take over the responsibility for recovery and advise the LRCC to activate the recovery plan and related arrangements.

5.2 Activation

The decision to activate the Local Recovery Plan will be made by the Chair of LRCC on the advice of the LRC. Once the plan has been agreed to be activated, the LRC & LRCC become responsible for implementation of the plan.

5.3 Operational Recovery Planning

The operational recovery plan provides the strategic direction and details actions required to facilitate a successful recovery. When the LRCC is activated, the group will develop an operational recovery plan to guide its functions during the first meeting. The operational recovery plan includes assessment and recovery requirements, organisational management, operational aspects and administrative arrangements.

The following sources and agencies are involved in undertaking impact assessment encompassing the functional areas of recovery (i.e. social, built, economic and natural);

- Hazard Management Agencies.
- Welfare agencies – to identify persons in need of immediate assistance.
- Local Government surveyors, engineers, environmental health officers, waste/sanitation, and finance staff.
- Insurance assessors.

An Operational Recovery Plan template is available at Annex H.

5.4 Welfare and Health Services

Welfare is the responsibility of the Department of Communities. The Department of Communities local welfare, health and wellbeing plan details the arrangements that apply in local circumstances, consistent with the arrangements detailed in the State Emergency Welfare Plan.

The LRCC will work closely with the local office for Department of Communities in accordance with following plans:

- State Health Emergency Response Plan
- State Emergency Welfare Plan

5.5 Communication

It is the responsibility of LRCC to develop an effective communication plan for recovery. Throughout the recovery process, Local Government is to maintain an ongoing dialogue and share information with all other stakeholders and partners in the recovery process. The relevant Local Government authorities are responsible for developing a well-defined communication strategy that recognises the different means of communication with the stakeholders. The following communication methods can be used:

- Circulars
- Community Meetings
- Local Newspapers
- ABC Local Radio
- Email newsletters and text messaging
- Posters or pamphlets
- LGA social media and website

5.6 Communication Plan

Key groups who need to receive recovery information, the methods available and potential locations where information can be provided are detailed below:

Target Group	Communication Methods	Locations where will the information be provided
• Affected community • Recovery workers and volunteers • Vulnerable groups • General public	• Community Meetings • Local Newspapers • ABC Local Radio • Posters or pamphlets • Email • LGA social media and website	• Community groups • Batavia LEMC • Brigades and volunteer groups • Agency networks • Potential public meeting venues • Potential one-stop-shop locations

Annex J - Communication Tools

5.7 Review of the Plan

Testing and exercising are essential to ensure that the arrangements are workable and effective. The Local Recovery Plan is to be reviewed in accordance with State Emergency Management Policy 2.5, and amended and/or replaced whenever the Local Government considers it appropriate (Emergency Management Act, 2005 section 42).

According to State Emergency Management Policy No. 2.5, local emergency management arrangements (including a Local Recovery Plan) are to be reviewed and amended as follows:

- contact lists are reviewed and updated quarterly;
- a review is conducted after an event or incident in which the local recovery plan was implemented;
- a review is conducted after training that exercises the arrangements;
- an entire review is undertaken every five years, as risks might vary due to climate, environment and population changes; and
- circumstances may require more frequent reviews.

5.8 Exercise

Local Emergency Management Committees are to develop appropriate exercise plans and schedules to test local arrangements including Local Recovery Plan. At least one local level exercise should be conducted, on an annual basis. Refer to Emergency Management Act, 2005 section 39 and State Emergency Management Policy No. 3.1 – State Emergency Management Exercises for further information on conduct of exercise.

Exercising the arrangements during the planning process will allow the LRC & LRCC to:

- test the functionality and effectiveness of the local arrangements;
- bring together members of emergency management agencies and give them knowledge of, and confidence in, each other;
- help educate the community about local arrangements and programs thus providing them with confidence in their Local Government and emergency management agencies;
- allow participating agencies an opportunity of testing their operational procedures and skills in simulated emergency conditions; and
- test the ability of separate agencies to work together on common tasks, and to assess effectiveness of coordination between them.

The management of an exercise is a systematic process involving planning, documenting, conducting, evaluating and validating.

5.9 Evaluation of Recovery

It is the responsibility of the LRC to monitor the progress of recovery and provide periodic reports to the LRCC and State Recovery Coordinating Group, if established. The evaluation of recovery activities is essential to maximise lessons learned and identify where improvements can be made. An evaluation of the effectiveness of the recovery activities in relation to the recovery plan should be conducted within 12 months of the disaster.

The evaluation can involve:

- Community and stakeholder surveys
- Interviews
- Workshops
- Assessment of key project outcomes

6 Appendixes

6.1 Resource Register

Refer to 6.1 Resource Register in the Batavia LEMC Local Emergency Management Arrangements.

6.2 Volunteer Registration

Volunteer Information Form (VIF)

V.I.F. Reference Number: VIF _____

TITLE/PREFIX: Mr. / Mrs. / Miss / Dr / Other _____

NAME: _____

ADDRESS: _____

PHONE: BH: _____ AH: _____ MOB: _____

NEXT OF KIN: _____

PHONE: BH: _____ AH: _____ MOB: _____

AVAILABILITY: ☐ Day (0800 – 1630 hrs) ☐ Evening (1600 – 0030 Hrs)
Night (2400 – 0830 Hrs)

TYPE OF ASSISTANCE OFFERED

ACCOMMODATION: e.g. supply of _____

CHILD CARE: _____

CLERICAL: e.g. word processing, _____
Document collation

DOMESTIC: e.g. cleaning, washing, ironing _____

FOOD: e.g. meals, catering _____

HEALTH: e.g. massage relaxation _____

MANUAL LABOUR: e.g. gardening, lifting_____

PERSONAL SUPPORT: e.g. counselling, interpreter _____

PHOTOGRAPHY: _____

PROFESSIONAL ADVISE e.g. architect, builder _____

TOOLS/EQUIPMENT: e.g. loader, truck _____

TRANSPORT e.g. bus, car _____

OTHER _____

Completed by (employee):_____

DATE: _____ OFFICER: _____ SIGNATURE:_____

As a volunteer for the City of Greater Geraldton, I acknowledge the above information is true and correct. I undertake to maintain the confidentiality of any information acquired by me in the performance of any task undertaken in the performance of my allotted duties as a volunteer.

Date: _____ Signature: _____

TASK ALLOCATED:

V.T.A.F Ref No.:

1) V.T.A.F _____

2) V.T.A.F _____

3) V.T.A.F_____

LOG SHEET:

V.T.A.F Ref No.:

1) VLF _____

2) VLF _____

3) VLF _____

Volunteer Log Form (V.L.F)

V.L.F. REFERENCE NUMBER: VLF _____

Volunteer Name	V.I.F Reference Number	Time In	Time Out	V.T.A.F. Reference Number	Volunteer Signature	Authorised Officer Signature
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		

Volunteer Task Allocation Form (VTAF)

V.T.A.F. Reference Number: V.T.A.F_____

DATE: _____

TASK NAME: _____

TASK COORDINATOR NAME: _____

COORDINATOR CONTACT No.: _____

ALTERNATIVE CONTACT No.: _____

TASK DESCRIPTION:

_____
_____
_____
_____
_____
_____
_____
_____

OTHER COMMENTS:

_____
_____
_____
_____
_____

AUTHORISED BY:

NAME: _____

DATE: _____

Volunteer Attendance Roster

The following roster has been endorsed by the Local Recovery Coordination Group (LRCC) and distributed to the relevant employee and work area.

Date On	Date Off	Time On	Time Off	Volunteer Name	VIF Number	V.T.A.F Number
		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

The following criteria have been considered by the LRCC while developing the roster.

Shifts per day:	3 - Occupational Health and Safety
Shifts per week	5 days on, 2 days off - Fatigue management
Length of shift:	8.5 hours - Work life balance
Hand over period:	30 minutes - Task commitments
Rotation of roster:	Every 2 days- Volunteer welfare
Rest period:	Minimum 10 hour rest period between shifts

6.3 Donation Forms

RECIEPT OF DONATIONS

Date Pledged: _____ Date Received: _____

Donor Name: _____

Company / Organisation: _____

Donor Address: _____

_____

MOB: _____ Email: _____

Item Donated / Description

_____

_____

_____

Total Estimated Value: _____

Received By: _____ Officer Signature: _____

Comments:

_____

_____

_____

Donation Register

Date Received	Donor Name	Donor Address	Donor Contact Details	Item Category	Item Donated / Description	Issues / Distribution	Date Distributed	Quantity	Total Value
2/01/2016	*Joe Bloggs*	*1 Smith St, Geraldton*	*0456 123 789*	*Materials*	*Colourbond Sheeting*		*5/01/2011*	*5*	*$ 250.00*

$250.00

6.4 Recovery Position Descriptions

LG Logo

Job Title: **Local Recovery Coordinator**

Direct Reports: Deputy Local Recovery Coordinator

Location: Coordination Centre

1. Job Purpose

The Local Recovery Coordinator (together with the Local Recovery Coordinating Committee where activated) will manage the recovery process on behalf of the Local Government. It is essential that the occupant of this positon is aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

The position of Local Recovery Coordinator is a mandatory role of all Local Government authorities in accordance with the Emergency Management Act 2005.

3. Key Accountabilities

- Ensure the Local Recovery Plan is established, approved and tested
- Liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate
- Assess the community recovery requirements for each event, in conjunction with the HMA, Local Emergency Coordinator and other responsible agencies,
- Provide advice to the Mayor/Shire President and Chief Executive Officer on the requirement to convene the Local Recovery Coordinating Group (LRCC) and provide advice to the LRCC if convened
- Ensure the functions of the Executive Officer are undertaken for the LRCC.
- Assess for the LRCC requirements for the restoration of services and facilities with the assistance of the responsible agencies where appropriate.
- Determine the resources required for the recovery process in consultation with the LRCC.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Liaise with the District Emergency Management Advisor on issues where State level support is required or where there are problems with services from government agencies locally.

- Facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Ensure the recovery activities are consistent with the principles of community engagement
- Arrange for the conduct of an operational debriefing of all participating agencies and organisations as soon as possible after cessation of the arrangements.
- Arrange for an evaluation of the effectiveness of the recovery activities in relation to the recovery plan, within 12 months of the emergency

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.
- Knowledge of the principles of emergency risk management and emergency management.
- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility.
  I may be required to perform other duties that are consistent with my classification including temporary activities or projects.
- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

LG Logo

Job Title: **Deputy Local Recovery Coordinator**

Direct Reports: Administrative staff (during emergencies)

Location: Coordination Centre

1. Job Purpose

The Deputy Local Recovery Coordinator (together with the Local Recovery Coordinating Committee where activated) will assist in the management of the recovery process on behalf of the Local Government. It is essential that the occupant of this positon is aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

The position of Deputy Local Recovery Coordinator is crucial, as the incumbent needs to be prepared and able to perform all Local Recovery Coordinator (LRC) tasks in the Coordinators absence. The Coordinator is a mandatory role of all Local Government authorities in accordance with the Emergency Management Act 2005. The position is part of the Fire and Emergency Services branch within the Infrastructure Services Department.

3. Key Accountabilities

- Assist the LRC to ensure the Local Recovery Plan is established, approved and tested
- Liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate, often the Deputy position will be utilised in a liaison officer role, implementing the crucial link between the Incident Support Group, and the Local Government Authority.
- In conjunction with the HMA, Local Emergency Coordinator and other responsible agencies, assess the community recovery requirements for each event as required.
- Provide advice to the Mayor/Shire President and Chief Executive Officer on the requirement to convene the Local Recovery Coordinating Group (LRCC) and provide advice to the LRCC if convened
- Perform the functions of the Executive Officer for the LRCC as required.
- Assess for the LRCC requirements for the restoration of services and facilities with the assistance of the responsible agencies where appropriate.
- Determine the resources required for the recovery process in consultation with the LRCC.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Monitor the progress of recovery and provide periodic reports to the LRCC and State Recovery Coordinating Group, if established.
- Facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Arrange for the conduct of an operational debriefing of all participating agencies and organisations as soon as possible after cessation of the arrangements.

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.
- Knowledge of the principles of emergency risk management and emergency management.

- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility.
  I may be required to perform other duties that are consistent with my classification including temporary activities or projects.

- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

LG LOGO

Job Title:	**Local Recovery Coordinating Committee** (Members and subcommittees)
Direct Reports:	Dependent upon specific emergency
Location:	Coordination Centre

1. Job Purpose

The Local Recovery Coordinating Group (where activated) will manage the recovery process on behalf of the Local Government. It is essential that the occupant of a committee or sub-committee role are aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

In accordance with the Emergency Management Act 2005, Local Government Authorities are responsible for effecting recovery in their communities. Local Recovery Coordinating Group (LRCC) and subcommittee position fulfil this responsibility in a comprehensive manner - as a committee, or may delegate specific elements of recovery operations to subcommittee.

3. Key Accountabilities

- Review and participate in testing of the Local Recovery Plan
- Receive incident specific information from the Controlling Agency, Incident Support Group and Operations Area Support Group where appropriate, via the Local Recovery Coordinator or his/her Deputy.
- Utilise received information to assess the community recovery requirements for each event, in conjunction with the HMA, Local Emergency Coordinator and other responsible agencies,
- Determine the resources required for the recovery process in consultation with the Local Recovery Coordinator.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Monitor the progress of recovery and provide periodic reports to the State Recovery Coordinating Group, if required.
- In conjunction with the Local Recovery Coordinator, facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Ensure the recovery activities are consistent with the principles of community engagement
- Participate in an operational debriefing after cessation of the arrangements.

- Participate in an evaluation of the effectiveness of the recovery activities in relation to the recovery plan, within 12 months of the emergency

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.

- Knowledge of the principles of emergency risk management and emergency management.

- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility. I may be required to perform other duties that are consistent with my classification including temporary activities or projects.

- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

6.5 LRC / LRCC Action Checklists

Local Recovery Coordinator – Operational Check List

First 24 hours

Task Description	Status
Liaise with relevant response agencies regarding location, size, type and potential impact of the disaster	
Attend response agencies' Operations Area and Incident Support Group meetings for situational awareness and likely timings for transition to recovery phase	
Contact and alert key staff (incl. LRCC Executive and Subcommittee members), determine initial requirements (e.g. admin support to maintain a record of events and communications with key staff).	
Receive initial impact assessment from HMA / CA, determine likely human effects and alert relevant recovery agencies	
In conjunction with LRCC Executive, determine level of state government involvement, in consultation with District EM Advisor	
Support Dept. of Communities to determine immediate short-term needs (e.g. accommodation, financial assistance and personal support)	
Determine likely effects on community until relevant recovery agency(s) is operational (i.e. Dept. of Child Protection & Family Support may take 4-6 hours to mobilise and establish welfare/evacuation centre(s), plus travel time if relevant.	
Determine need to activate LRCC, sub committees and membership. If activated, establish a recovery coordination centre OR if not activated, ensure sufficient resources are retained to record recovery expenditure (incl. logging expenses, receipts, timesheets), staff tasking, plant & machinery usage etc.	
Establish a liaison officer located at HMA/CA emergency operations centre, Establish a recovery information centre to provide affected community with access to all recovery services.	
Identify and manage special needs groups or individuals that may require specific support mechanisms, services or equipment (e.g. mobility impaired, CaLD)	
Activate outreach program(s) to meet immediate needs and determine ongoing needs. Issues should include the need for specialist counselling, material aid, accommodation, financial assistance, social, recreational and domestic facilities.	
Meet with specific agencies involved with recovery operations to determine strategies, and activate inter-agency liaison mechanisms	
Manage offers of assistance, including volunteers, material aid and money	
Maintain ongoing assessment of impact of the event through Local Government data, geographic data and relevant response agencies situation reports.	
Meet with recovery agencies for full assessment of event impact. Determine best means of involving affected community and actions from specific agencies.	
Arrange media briefing (Mayor / Shire President / CEO) on recovery program	
Organise briefing and debriefing processes for staff, and establish staffing arrangements to ensure recovery is maintained without fatigue	

Local Recovery Coordinator – Operational Check List

First 48 hours

Task Description	Status
Assess reports gathered through outreach programs to assess community needs	
Monitor staffing arrangements – relief/fatigue	
In collaboration with LRCC, develop Operational Recovery Plan – recovery objectives, requirements, governance arrangements, resources and priorities	
Manage offers of assistance, including volunteers, material aid and donated money (delegate to finance sub-committee)	
Activate community (specific) recovery committees, ensuring active participation of members of the affected community.	
Manage restoration of essential infrastructure / utilities	
Develop a community information process, including consideration of public meetings and newsletters	
Implement event specific communications plan, arrange media briefing (Mayor / Shire President / CEO) on recovery program, consider establishing call centre with prepared responses for FAQ's	
Maintain ongoing assessment of impact of the event through information / data, geographic data and relevant response agencies.	
Review resources and services on an ongoing basis	
Report to organisational hierarchy on likely costs/ impact of involvement in recovery activities.	
Provide newsletters to the affected community and information to the media as required.	
Continue to monitor agency activities and withdrawal of services when appropriate	
Debrief recovery agencies	
Maintain recovery coordination centre operations	

Local Recovery Coordinator – Operational Check List

First 72 hours

Task Description	Status
Monitor staffing arrangements	
Participate in development of Comprehensive Impact Assessment (led by CA)	
Review resources and services on an ongoing basis	
Establish whether event has been proclaimed an eligible natural disaster under the DRFA-WA, if so – what assistance may be available	
Determine longer term recovery measures and strategies	
Maintain recovery centre operations	
Provide newsletters to the affected community and information to the media as required.	
Continue to monitor agency activities and withdrawal of services when appropriate	
Debrief recovery agencies and staff, evaluate effectiveness of recovery program	
Recognise agency / staff input	

LOCAL RECOVERY COORDINATION GROUP

ACTION CHECK LIST

Description	Status
In the Transition from Response	
Ensure the appointment of a LRC has occurred.	
Ensure Incident Controller includes the LRC in official meetings and briefings	
Ensure the Incident Controller is aware of recovery requirements and tasks prior to the termination of the response phase.	
Ensure that agencies with response and recovery obligations are aware of their continuing role.	
Initiate key recovery arrangements including full LRCC committee briefing during the response phase and ensure formal handover takes place.	
Management Structure – the LRCC shall:	
Set up an office with administrative support	
Facilitate representative sub-committees to coordinate and action recovery tasks and disseminate decisions as required.	
Ensure and facilitate the completion of the impact assessment	
Assume public information obligation from response agency, provide information to impacted area, general public and the media. See 'Communication tools'.	
Facilitate and advise on State / Federal emergency relief funding and facilitate and advise on private aid and funding.	
Activate and coordinate the Recovery Coordination Centre if required.	
Prepare oral and written financial and non-financial reports and briefs.	
Promote Community Involvement – the LRCC shall:	
Work with existing community organisations.	
Recruit representative(s) of the affected community into the recovery planning	
Establish strategies for uniting the community behind agreed objectives	
Provide a "one-stop-shop' for advice, information and assistance during the recovery period.	

Establish mechanisms for the sharing of information and reporting local initiative (e.g. regular community meetings & local newsletters). See 'Communication tools'	
Impact Assessment (Managerial Issues) – The LRCC shall:	
Use intelligence / planning information from the response operation and set up a recovery liaison person in the HMA's Incident Support Group.	
Confirm the total area of impact for determination of survey focus.	
Set out the immediate information needs: infrastructure problems and status, damage impact and pattern and welfare issues.	
Identify and close information gaps (establish the "big picture")	
Assess the financial and insurance requirements of affected parties.	
Gather evidence to support requests for government assistance.	
Ensure all relevant information is strictly confidential to avoid use for commercial gain	
Inspections and Needs Assessments (technical focus) – the LRCC shall:	
Establish and define the purpose of inspection / assessment and expected outcomes.	
Consistently apply agreed criteria (requiring a common understanding by the people undertaking the survey process.)	
Collect and analyse data.	
Establish a method / process to determine the type of information needed for this recovery operation, defining: How and who will gather the information (single comprehensive survey); How information will be shared; How information will be processed and analysed; How the data will be verified (accuracy, currency and relevance)	
Managing the process to minimise "calling back"	
Select and brief staff	
Maintain confidentiality and privacy of assessment data.	
Data Management – the LRCC shall:	

Define who is responsible for which part for the data management task and ensure proper process of relevant data transfer.	
Create templates for impact assessment and for tracking assistance provided	
State Government Involvement – the LRCC shall:	
Establish strong relationship with key regional government agency representatives, and appoint them to appropriate LRCC sub- committees, as appropriate.	
Gain familiarity with the recovery claim process, and Relief Fund applications.	
Establish system for recording all expenditure during recovery, in-line with the requirements of the recovery plan (includes logging expenditure, keeping receipts and providing timesheets for paid labour)	
Answer requests for information from government agencies.	
Public information – the LRCC shall:	
Appoint potential spokes people to deal with the media (usually Mayor/Shire President).	
Manage public information during the transition from response to recovery when hand–over completed by HMA	
Identify priority information needs	
Develop a media / communications strategy. See 'Communication tools'	
Coordinate public information through: Spokesperson/s; Identifying and adopting key message priorities; Using a single publicised web site for all press releases	
Develop processes for: Media Liaison and management (all forms e.g. print and electronic) Briefing politicians Alternative means of communication e.g. public meetings, mail box flyers advertising; Communicating with community groups. Meeting specialist needs Formatting press releases Developing and maintaining a website Ensuring feedback is sought, integrated and acknowledged.	
Monitor print and broadcast media and counter misinformation.	
Rehabilitation and Assistance – the LRCC shall:	

Establish a mechanism for receiving expert technical advice from welfare groups.	
Monitor and assist rehabilitation of critical infrastructure.	
Prioritise recovery assistance.	
Prioritise public health to restore health services and infrastructure.	
Assist and liaise with business to re-establish and reopen.	
Restore community and cultural infrastructure (including education facilities)	
Restore basic community amenities for meetings and entertainment.	
Facilitate emergency financial assistance in liaison with DoC	
Adjust capital works and maintenance programs	
Implementation of reduction measures – the LRCC shall plan to:	
Take the opportunity while doing the risk analysis, to: Identify essential services and facilities in high risk areas, Consider the restoration options in the event of them becoming dysfunctional	
Identify options based on research and consultation	
Undertake urgent hazard reassessment based on new (event) information and adhere to the Local Emergency Management Arrangements	
Financial Management – the LRCC shall plan to:	
Review financial strategies	
Communicate with financial agencies, including insurance providers.	
Keep financial processes transparent	
Reporting – the LRCC shall plan to:	
Provide a simple, flexible and succinct reporting system	
Provide adequate administrative support	
Managed Withdrawal – the LRCC shall plan to:	
Continually review the recovery management process with a view to withdrawing as the community takes over.	
Identify long term recovery activities and agencies responsible for management.	

Establish arrangements for ongoing public information and communications including avenues for reporting and management of unresolved community recovery issues.	
Stage a public event of acknowledgment and community closure.	
Debrief with participants to obtain community input to identify lessons learned and strategies for enhancing community recovery arrangements and processes for future events.	

6.6 Sub Committee Roles

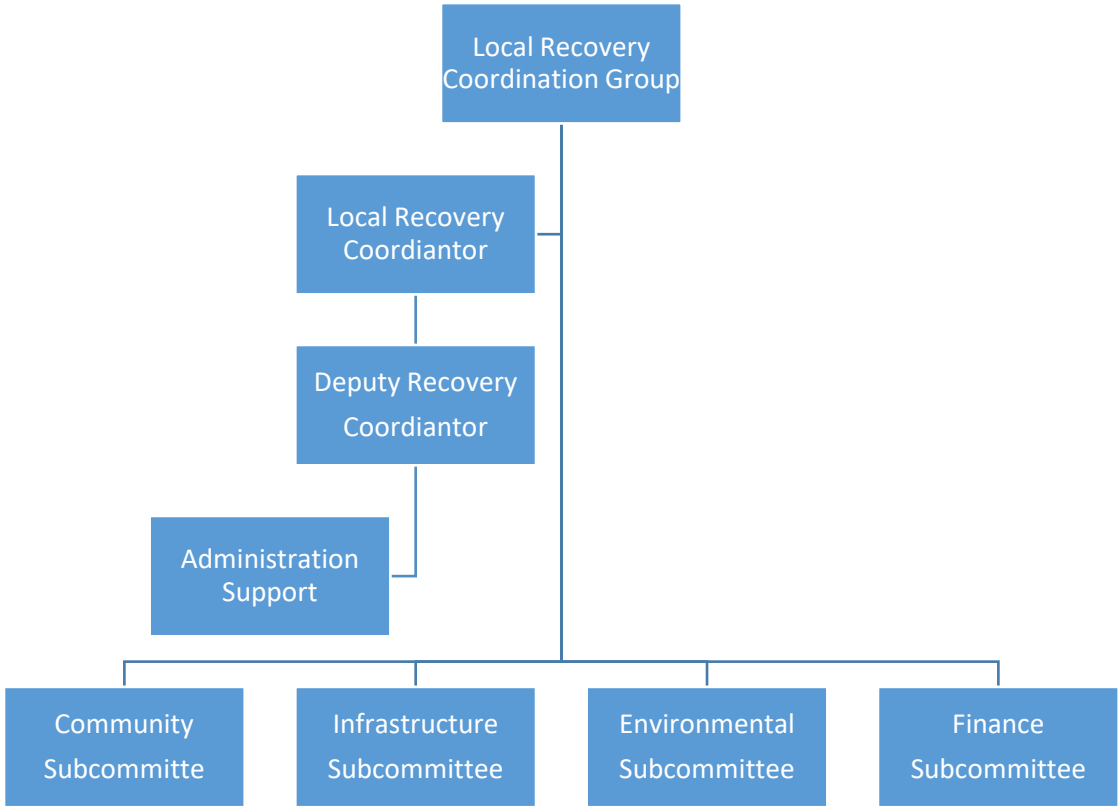
Guidance for Recovery Sub-Functions

Introduction

The Local Recovery Coordinating Committee manages the recovery process on behalf of the Local Government. Depending upon the size and complexity of the disaster, subcommittees will be established by the committee to manage specific responsibilities.

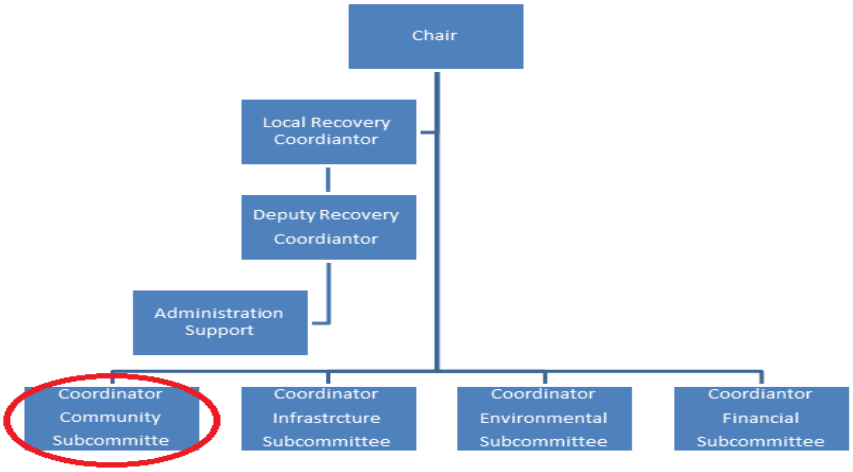
These responsibilities can be broadly grouped into the following functions:

Community – Provision of recovery services to affected communities such as counselling. This affects individuals, families, local groups, clubs and associations.
Infrastructure – Recovery/restoration of public infrastructure and community amenities, where possible supporting reconstruction of private infrastructure.
Environment – Provision of environmental health services (core Local Government role), in response to a disaster, such as environmental monitoring of mosquito breeding following a flood, asbestos fibre release following an earthquake etc.
Finance – Relates to the economic and financial recovery of commercial, industrial and government sectors, as well as specific industries such as tourism or agriculture.



Suggested structure for Local Recovery Coordinating Committee and appointed subcommittees

Community Sub-Committee Role



Role: This Sub-Committee is to coordinate the planning and implementation of recovery in the areas of safety and well-being, physical and psychosocial health, and social aspects.

Responsibilities:

- Assess the impact of the disaster event on human and social aspects.
- Coordinate information provision, welfare and personal support.
- Coordinate psychosocial and counselling services.
- Coordinate ongoing medical and health services.
- Coordinate public health advice warnings and direction to combatants and the community.
- Provide and coordinate specialist and outreach services.
- Coordinate case management, community development, support and referral to assist affected people, families and groups.
- Work with Local Government and community leadership groups to enable learning from their emergency experience in order to better prepare for future adverse events.

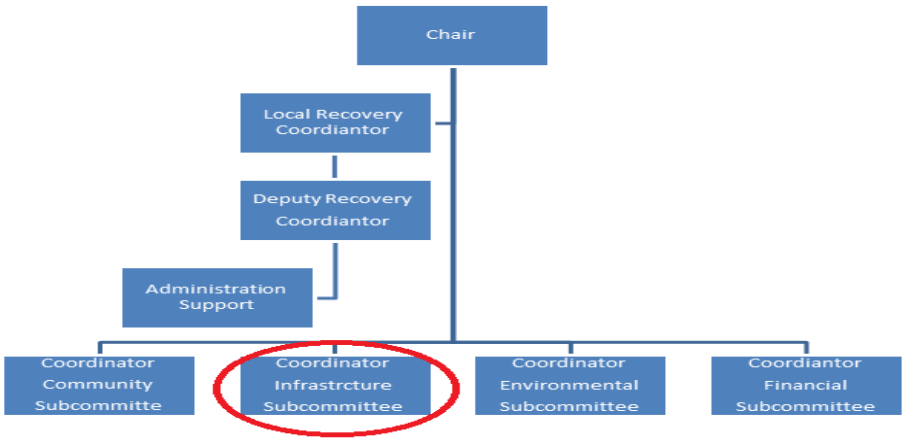
Suggested Members:

- Community Development Officers
- Department of Communities
- WA Department of Health
- Red Cross
- Local Community organisations

Supporting Organisations:

- Centrelink
- Department of Education
- Salvation Army
- Others as required

Infrastructure Sub-Committee Role



Role: Coordinate planning and implementation of housing, commercial and industrial buildings and structures, and physical infrastructure (including power, water, telecommunication, and transport) recovery in the district /region.

Responsibilities:

- Work with the insurance sector to ensure adequate and speedy processing of insurance claims.
- Assess damage to housing stock, commercial and industrial buildings and structures, rural structures, and infrastructure facilities.
- Coordinate demolition of unsafe buildings and structures, if required.
- Coordinate demolition of unsafe buildings and structures, if required.
- Coordinate repair and rebuilding matters for housing stock, where necessary.
- Develop an option for temporary accommodation.
- Ensure a coordinated approach to housing-related strategies in partnership with relevant organisations.
- Coordinate disposal of hazardous material, debris etc.
- Coordinate recovery of infrastructure, which is normally undertaken by infrastructure owners and operators (e.g. Telstra, Energex).
- Coordinate restoration of sporting facilities and public playground, where necessary.
- Prioritise repair and reconstruction activities, where appropriate.
- Ensure relevant owners/operators are involved in the decision making process.
- Ensure community consultation and involvement in the decision making process.
- Ensure disaster risk reduction is considered in planning for rebuilding and reconstruction.

Suggested members:

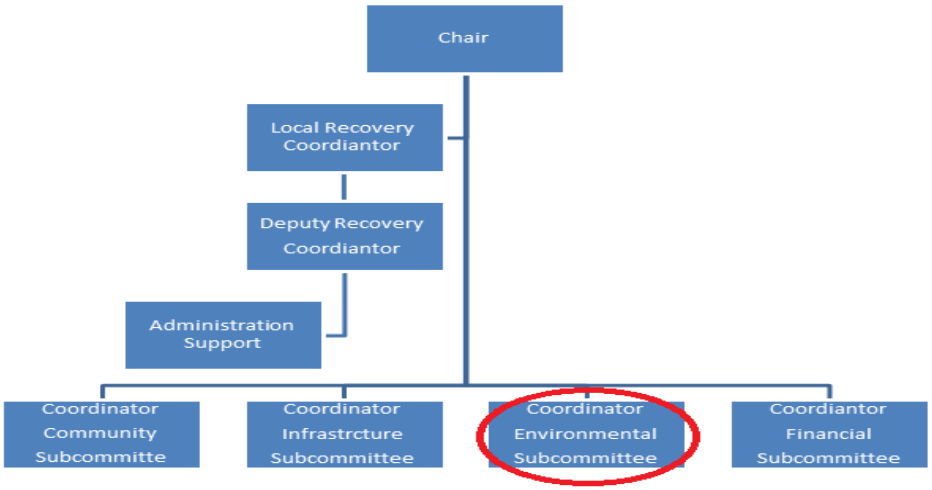
- Works foreman / Depot supervisor
- Department of Infrastructure and Planning
- Department of Public Works
- Building Service Authority
- Treasury

- Department of Communities (Housing Services)
- Department of Planning, Lands & Heritage
- Department of Transport
- Main Roads - WA

Supporting Organisations:

- Utility owners /operators (Telstra, Optus, Western Power, Water Corporation)
- Department of Mines , Industrial relations and safety
- Insurance Council Australia
- Others as required

Environmental Sub-Committee Role



Role: This sub-committee is to coordinate recovery of the natural environment

Responsibilities:

- Coordinate assessment of disaster impact on natural environment e.g. water quality, ecological impact, pollution).
- Provide advice on potential environment issues (e.g. water quality).
- Coordinate rehabilitation of natural environment including parks, waterways and wild life.
- Coordinate preservation of community assets (e.g. reserves and parks).
- Consider mitigation strategies to reduce future impacts on natural environment where appropriate.
- Monitor issues of pollution.
- Coordinate waste management and disposal.
- Ensure environmental bodies and interest groups are involved in the decision making process
- Monitor and assess the environmental consequences of clean-up operations
- Monitor and assess animal welfare issues

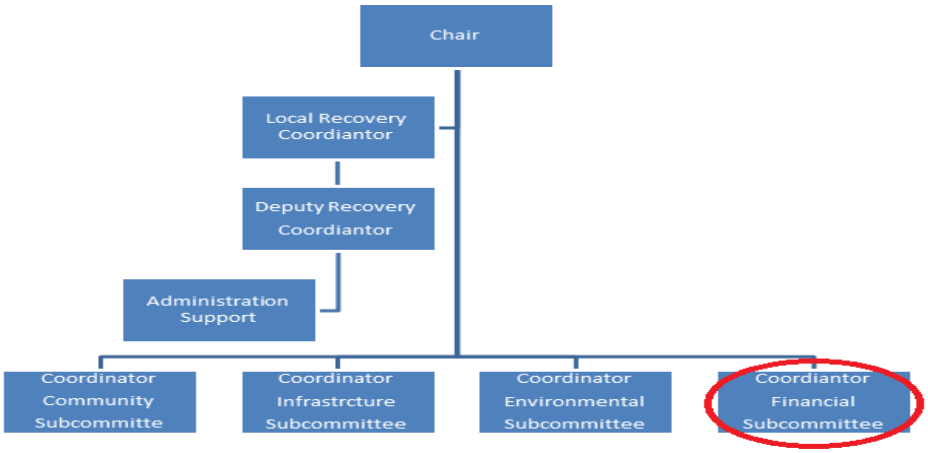
Suggested Members:

- Environmental Health Officer
- Department of Water and Environmental Regulation.
- Environmental Protection Agency
- Department of Primary Industries & Regional Development

Supporting Organisations:

- Environmental Advisors
- Chemical and Hazard Substance Advisors
- Environmental Interest Groups
- Catchment Coordination groups

Finance Sub-Committee Role



Role: Coordinate planning and implementation of economic and financial recovery in the <local government authority> area**.**

Responsibilities:

- Work with insurance sector to ensure adequate and prompt processing of insurance claims.
- Assess impact on key economic assets (large employers e.g. mining, tourism etc.).
- Assess employment issues and capacity of local business to operate.
- Facilitate business, industry and regional economic recovery and renewal.
- Develop industry and business recovery plans and strategies in conjunction with Local Government, State Government agencies, regional economic development and industry bodies.
- Facilitate financial assistance, access to funds, loans and employer subsidies.
- Monitor the impacts of disaster on the Council's economic viability and develop strategies to minimise the effects on individuals and businesses.
- Facilitate linkages with job providers and employment agencies to source labour.
- Develop a strategy to maximise use of local resources during reconstruction activities.
- Support small to medium enterprises (e.g. referral, business assistance).
- Coordinates support to farmers and rural landlords, where necessary.
- Ensure involvement of local business and industry representatives in decision making.
- Ensure that the recovery plan informs broader planning and decision making activities across government and non-government agencies.

Suggested Members:

- Finance / Rates officers
- Department of Primary Industries & regional Development
- Insurance Council of Australia
- Department of Local Government, Local Government Association

Supporting organisation:

- Insurance Companies

6.7 Comprehensive Impact Assessment

The Comprehensive Impact Assessment is a separate file owing to its size, available in the toolkit.

The Comprehensive Impact Assessment is also available at www.dfes.wa.gov.au

6.8 Operational Recovery Plan

OPERATIONAL RECOVERY PLAN

Batavia LEMC Local Recovery Coordinating Committee

Emergency: (type and location)

Date of Emergency:

Section 1

Introduction

- Background on the nature of the emergency or incident
- Aim or purpose of the plan
- Authority for plan

Section 2

Assessment of Recovery Requirements

- Details of loss and damage to residential, commercial and industrial buildings, transport, essential services (including State and Local Government infrastructure)
- Estimates of costs of damage
- Temporary accommodation requirements (includes details of evacuation centres)
- Additional personnel requirements (general and specialist)
- Human services (personal and psychological support) requirements
- Other health issues

Section 3

Organisational Aspects

- Details the composition, structure and reporting lines of the groups/committees and subcommittees set up to manage the recovery process
- Details the inter-agency relationships and responsibilities
- Details the roles, key tasks and responsibilities of the various groups/committees and those appointed to various positions including the Recovery Coordinator

Section 4

Operational Aspects

- Details resources available and required
- Redevelopment Plans (includes mitigation proposals)
- Reconstruction restoration programme and priorities, (including estimated timeframes)

- Includes programs and strategies of government agencies to restore essential services and policies for mitigation against future emergencies
- Includes the Local Government program for community services restoration
- Financial arrangements (assistance programs (DRFA-WA), insurance, public appeals and donations
- Public information dissemination.

Section 5

Administrative Arrangements

- Administration of recovery funding and other general financial issues
- Public appeals policy and administration (including policies and strategies for office and living accommodation, furniture and equipment details for additional temporary personnel).

Section 6

Conclusion

Summarises goals, priorities and timetable of plan.

Signed by

Chair, Local Recovery Coordinating Group

Date:

6.9 Recovery Actions Database

Recovery Actions Database

Incident Type and Location:			Page No:	Date:
Time:	**From:**	**To:**	**Name:**	**Employee #:**

6.10 Communication Tools

Disaster Name					
Location					
Date of Disaster					
COLLATERAL	Description- what's required	Distribution Point	Responsible Person	Due Date	Status
Flyer					
Newsletter					
Brochure					
PAID MEDIUMS					
Newspaper					
Guardian					
Midwest Times					
TaGG					
Radio					
Spirit					
Red FM					
Radio Mama					
ABC					
PUBLICITY					
Media Release					
Radio Interview					
Mayors Radio Spot- f/n					
Email Distribution					

SOCIAL MEDIA					
CGG Facebook					
Twitter					
Everything Geraldton					
You Tube					
WEB					
CGG Website - Banner - Latest News - Temporary Web page - Events Calendar					
3rd Party Websites					
VENUES					
Visitor Centre					
Library					
Airport					
OTHER					

[EXAMPLE: INSERT CITY/SHIRE LOGO HERE]

COMMUNITY SERVICE ANNOUNCEMENT

FOR IMMEDIATE RELEASE

[Insert Title Here]

The [INSERT NAME OF COUNCIL / SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE LOCATIONS].

Residents in the area are advised to [RELEVENT ADVICE].

You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].

If you require further information please contact [INSERT CONTACT DETAILS].

ENDS:

Notes to media:

For all media enquiries, please contact the [INSERT MEDIA/COMMS CONTACT]

[EXAMPLE: INSERT CITY/SHIRE LOGO HERE]

COMMUNITY SERVICE ANNOUNCEMENT

FOR IMMEDIATE RELEASE

[Insert Title Here]

[Insert Date Here]

The [INSERT NAME OF COUNCIL OR SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE THE LOCATIONS].

Residents in the area are advised that [RELEVENT ADVICE/INFORMATION].

You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].

If you require further information please contact [INSERT CONTACT DETAILS].

Residents in the [STATE THE LOCATION] area are reminded to do the following:

- [STATE EMERGENCY PRECAUTIONS IN DOT POINTS]

Important numbers to remember:

- [STATE EMERGENCY SERVICES DETAILS: SES, BOM, DFES ETC]

ENDS:

Notes to media:
For all media enquiries, please contact the [INSERT MEDIA/COMMS CONCTACT].

Social Media Templates

Facebook

Facebook Post #1

The [INSERT NAME OF COUNCIL OR SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE THE LOCATION].
Residents in the area are advised to [RELEVENT ADVICE].
You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].
If you require further information please contact [INSERT CONTACT DETAILS].

Facebook Post #2

Residents in the [STATE THE LOCATION] area are reminded to do the following during the current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning:

- [STATE EMERGENCY PRECAUTIONS IN DOT POINTS]

Facebook Post #3

Important numbers for you to remember:

- [STATE EMERGENCY SERVICES DETAILS: SES, BOM, DFES ETC]

Twitter

There is a current [STATE THE EMERGENCY] in place for [STATE LOCATION] and surrounding areas. Find more info here: [INSERT SHORTENED LINK].

6.11 Organisational Responsibilities

ORGANISATIONAL RESPONSIBILITIES

The following list details the assigned (or potential) roles and responsibilities of organisations that may be participants in the recovery phase of a disaster.

ORGANISATION	CONTACT NUMBER
City of Greater Geraldton	9956 6600
Shire of Chapman Valley	9920 5155
Shire of Northampton	9934 1202
Department of Communities	1800 176 888
Main Roads WA	0429 087 838
Department of Primary Industry and Regional Development	08 9220 7555
Department of Biodiversity, Conservation and Attractions	08 9219 9000
WA Police	9923 4555
Department of Transport	08 6551 6000
Western Power	0429 118 078
Water Corporation	13 13 85
Alinta Gas	13 37 02
Atco Gas	6163 5400
Aurizon Rail	13 23 32
ARC Infrastructure	9964 0301
Health Department	02 9289 1555
Education Department	9956 1600
Lord Mayor's Stress Relief Fund?	1300 998 227

Local Government	Ensure that a Local Recovery Plan for its district is prepared, maintained and tested [EM Act s.41(4)]. Appoint a Local Recovery Coordinator(s) [EM Act s.41(4)]. Chair the LRCC, Provide administrative support to the LRCC, as required. Provide other representatives to the LRCC or subcommittees, as appropriate (e.g. Building Surveyor, Environmental Health Officer, and Community Services). Ensure the restoration/reconstruction of services/facilities normally provided by the Local Government.
Department of Communities	Provide a representative to the LRCC. Coordinate welfare services, including emergency accommodation, catering, clothing, personal effects, personal services, registration and reunification, financial assistance. Provision of Personal Hardship and Distress measures under the WA Natural Disaster Relief Arrangements, incl. counselling, emergency assistance and temporary accommodation
Department of Primary Industries & Regional Development	Provide a representative to the LRCC. Provide technical support to primary producers and industry groups for recovery from animal or plant pest or disease emergencies Manage the provision of assistance to farmers, particularly in relation to the Primary Producer Package.
Main Roads Western Australia	Provide a representative to the LRCC. Assess and report on damage to State/Federal road infrastructure that may impact on the community. In conjunction with the Local Government, assist with the assessment of damage to local roads and issue of advice of roads closure/alternate transport route. Assist Local Government with reopening and restoration of damage to local roads including providing access to funding where available through the MRWA Flood Damage to Local Roads Special Funding Assistance Program or the DRFA-WA.

Essential Services(Including Power , Telecommunication , Water and Gas – Western Power/Horizon Power , Telstra, Water Corporation , Alinta Gas)	Provide a representative to the LRCC (co-opted as required). Assess and report on damage to essential services and progress of restoration of services. Facilitate restoration of priority services as requested by the LRCC.
Regional Development Commission/Business Enterprise Centre (If available) Small Business Development Corporation	Provide a representative to the LRCC (co-opted as required). Assist with the assessment of the impact of the emergency on small business. Provide advice and facilitate access to business support services/funding support, e.g. DRFA-WA small business support
Department of Education (or Local School Representative)	Provide a representative to the LRCC (co-opted as required). Advice on issues affecting normal operation of schools, e.g. restrictions on student access or damage to school premises.
Local Health Services Provider (Department of Health or Local Health Officer)	Provide a representative to the LRCC. Advise on health, environmental health and medical issues arising from the emergency. Coordinate the local health components of the recovery process.
Department of Water & Environmental Regulation	Provide advice on environmental protection, clean up and waste management
Lord Mayor's Distress Relief Fund	Liaise with the LRCC to assess the requirement for public donations and if required initiate "Calls for Public Donations" in accordance with the State Policy on "Appeals and Donations during Emergencies". As required set up a local appeals committee in conjunction with the LRCC. Provide advice to the LRCC on criteria for, and assessment of, requests for financial assistance.



Batavia LEMC Local Recovery Plan

2022

Approved by LEMC meeting:

Date of Approval:

Review Date:

☐ Public Copy

☐ Restricted Copy

This is a sub-plan of the Batavia LEMC Local Emergency Management Arrangements and as such needs to be read in conjunction with these Arrangements. This Recovery Plan has been produced and issued under the authority of the Emergency Management Act 2005, endorsed by the Batavia Local Emergency Management Committee (LEMC) and has been tabled with the Midwest Gascoyne District Emergency Management Committee (DEMC).

Amendment Record and Distribution Matrix

Refer to the Batavia LEMC Local Emergency Management Arrangements.

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1 Introduction

Disaster recovery is the coordinated process of returning an affected community to a normal level of functioning after a disaster. Recovery is part of emergency management, which also includes the components of Prevention, Preparedness and Response. Planning for recovery is integral to emergency preparation.

Recovery management is the coordinated process of supporting "emergency affected communities in the reconstruction and restoration of physical infrastructure, the environment and community, psychosocial, and economic wellbeing" *(Emergency Management Act 2005).*

This Local Recovery Plan is to be read in conjunction with:

- Emergency Management Act 2005
- State Emergency Management Plan 2019
- State Emergency Management Procedures 2019
- Batavia Local Emergency Management Arrangements

1.1 Authority

This Plan has been prepared in accordance with the requirements of s.41(4) of the Emergency Management Act 2005 and forms part of the Batavia Local Emergency Management Arrangements (LEMA) for the City of Greater Geraldton, Shire of Chapman Valley and the Shire of Northampton (collectively known as the Batavia Local Governments, Or Batavia LG's). The LEMA has been endorsed by the Batavia Local Emergency Management Committee and has been tabled with the Midwest-Gascoyne District Emergency Management Committee.

1.2 Purpose

The purpose of the Local Recovery Plan is to describe the arrangements for effectively managing recovery operations at a local level and to facilitate the affected community undertaking its own recovery.

1.3 Objective

The objectives of the Plan is to:

- Describe the roles, responsibilities, available resources and procedures for the management of recovery from emergencies for the Batavia LEMC.
- Establish a basis for the coordination of recovery activities at the local level.
- Provide a framework for recovery operations.
- Ensure effective, coordinated management of recovery operations within the Batavia LGs
- Ensure the plan complies with State emergency management arrangements.
- Identify the roles and responsibilities of HMAs, emergency services, support organisations and the Batavia LGs whilst promoting effective liaison between all organisations.
- Ensure community engagement throughout recovery management.

1.4 Scope

The scope of the recovery plan is within the boundaries of the Batavia Local Emergency Management Committee member local government and forms a part of its Local Emergency Management Arrangements. It details the local recovery arrangements for the community.

2 Related Documents And Arrangements

This Plan is consistent with State Emergency Management policies and State Emergency Management Plans, to enable integrated and coordinated delivery of emergency management within the Batavia LGs. The following documents are related to this Plan:

- Batavia Local Emergency Management Arrangements.

3 Resources

The Local Recovery Coordinator (LRC) is responsible for the determination of resources required for recovery activities, in consultation with the HMA. This determination is made in consultation with the Local Recovery Coordinating Committee (LRCC) and support organisations, during the initial stages of the recovery process. The Batavia LG's resources and community resources are noted in the 'Resource and Contact Register' contained within the Local Emergency Management Arrangements. If the LRCC is convened, the LRC will continue to assess requirements for the restoration of services and facilities including the determination of the resources required for the recovery process. The LRCC will source and coordinate external and internal resources, including the provision of staff.

3.1 Local Government Staff

Once the LRCC has been activated, all staffing matters will be coordinated by the LRCC including the rostering of staff, attendance monitoring timesheets), OH&S etc., in accordance with the member local government Operational Policies.

3.2 Local Volunteer Coordination

Where possible, all offers of, or requests for, volunteer assistance with recovery activities should be coordinated through the LRCC. Spontaneous volunteers are a valuable, flexible resource that could be used to support existing volunteers and personnel to take up more active responsibilities in aiding with recovery operations. Local volunteers usually have more familiarity with the local community and local area, and an understanding of available resources. Forms for the management of volunteers following a disaster are available at Annex B.

Visit the Volunteering WA website https://volunteeringwa.org.au/ for more information.

3.3 Local Recovery Coordination Centre

It may be necessary to establish a Recovery Coordination Centre if extensive recovery activities are likely to be carried out. The purpose of the Centre is to coordinate the recovery process undertaken by various agencies in terms of resources, information and tasks.

The Local Recovery Coordination Centre will be located at the Emergency Services Centre, if this location is unavailable or deemed unsuitable, the LRC will designate an alternative location as soon as possible and publicise the location and contact numbers after relocation.

Centre Name	Address	Contacts
Emergency Communication Centre, City of Greater Geraldton	Airport Road, Geraldton WA 6530	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
Shire Offices, Shire of Chapman Valley	3270 Chapman Valley Rd, Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Shire Offices, Shire of Northampton	199 Hampton Rd, Northampton WA 6535	Phone: 08 9937 1097 council@nothampton.wa.gov.au
Allen Centre, Shire of Northampton	Grey Street, Kalbarri WA 6536	Phone: 08 9937 1097 council@northampton.wa.gov.au

3.4 Recovery Information Centre /One-Stop-Shop

A Recovery Information Centre/One-Stop-Shop will be established when required by the LRCC. The purpose of the Centre is to provide information and advice to the community on the progress of recovery, special arrangements and services. The location and contact details of the Centre will be disseminated to the community when it has been established.

A recovery centre is also designed to centralise the delivery of Local, State and Commonwealth government and non-government services to people affected by a disaster. The Recovery Information Centre may or may not be co-located with the Local Recovery Coordination Centre, depending on the size and complexity of the disaster.

Centre Name	Address	Contacts
City Offices, City of Greater Geraldton	63 Cathedral Avenue, Geraldton WA 6530	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
City Offices, City of Greater Geraldton Mullewa	Corner of Thomas and Padbury Street, Mullewa 6630	Phone: 08 9956 6600 Fax: 08 9956 6674 council@cgg.wa.gov.au
Shire Offices, Shire of Chapman Valley	3270 Chapman Valley Road Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Nabawa Community Centre, Shire of Chapman Valley	3320 Chapman Valley Road Nabawa WA 6532	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Bill Hemsley Park Community Centre, Shire of Chapman Valley	Redcliff Concourse, White Peak	Phone: 08 9920 5011 Fax: 08 9920 5155 cso@chapmanvalley.wa.gov.au
Yuna Multi-Purpose Community Centre, Shire of Chapman Valley	Chapman Valley Road, Yuna 6961	Phone: 08 9937 1097 council@nothampton.wa.gov.au
Shire Offices, Shire of Northampton	199 Hampton Road, Northampton WA 6535	Phone: 08 9934 1202 council@nothampton.wa.gov.au
Allen Centre, Shire of Northampton	Grey Street, Kalbarri WA 6536	Phone: 08 9937 1097 council@nothampton.wa.gov.au

3.5 Financial Arrangements

The local government authorities will utilise the following regarding financial arrangements for recovery where required:

- Where appropriate the individual local government may establish a cash reserve for Community Recovery, for a determined level of risk to the community,
- Use of S6.8(1) and S6.11(2) of the Local Government Act 1995 with respect to expenditure of funds not included in the annual budget,
- Local Government (Financial Management) Regulations 1996 – regulation 18(a) provides exemption for Council to make budget related decisions in emergencies without giving local public notice of changes to financial reserves,
- Use of S6.20(2) of Local Government Act 1995 enabling borrowing of funds, subject to one month's local public notice of the proposal and exercising of the power to borrow by absolute majority decision of Council.

The following arrangements have been made to fund recovery activities if necessary:

- Disaster Recovery Funding Arrangements – Western Australia (DRFA-WA),
- Lord Mayor's Distress Relief Fund (LMDRF),
- Centrelink,
- Department of Communities.

3.6 Financial Management

Financial management is a key aspect in providing support to a recovery plan, the relevant Local Government agencies will develop a strategy to ensure successful implementation of recovery programs ensuring adequate and timely expenditure of funds. Financial Management Arrangements will include:

- Identification of funding streams (local, state and federal level),
- Prioritisation of requirements for funding,
- Management of funds over time in a transparent manner (receipts of grants, funds, donations, payouts),
- Liaison and cooperation with other agencies in both the private and public sector,
- All funds regardless of their source remain subject to the *Local Government Act 1995*, Part 6 – Financial Management. Subsequently, consideration should be given to utilising appropriately trained/experienced finance staff during recovery, to ensure adherence to the aforementioned Act, and appropriate record keeping throughout.

3.7 Donations of Cash

State Emergency Management Recovery Procedure 1 outlines the policy for initiating and managing appeals and donation. The LRCC may encourage the use of the Lord Mayor's Distress Relief Fund for people wanting to make cash donations, although if deemed necessary, may open a separate account specifically for cash donations.

Visit www.appealswa.org.au for further information and application forms.

The commencement of an appeal fund does not override the statutory obligations, on the part of government agencies, to provide welfare, relief and reconstruction assistance to those affected by emergencies.

3.8 Donations of Service and Labour

Any donations of service or labour to assist with the recovery from a disaster, should be administered by the affected Local Government or if established, the LRCC. Where the State Government level recovery coordination arrangements are activated under State Emergency Management Plan 6. Recovery - the Recovery Services Subcommittee may arrange the administration of donations of services and labour**.**

3.9 Donations of Goods

The donations of goods to assist victims to recover from a disaster may be arranged by non-government organisations. The distribution of the donated goods shall be undertaken by the organisations concerned. Appeals for donations of physical items such as food and furniture should be discouraged unless specifically requested through the LRCC.

3.10 Non-Government Organisations (NGOs)

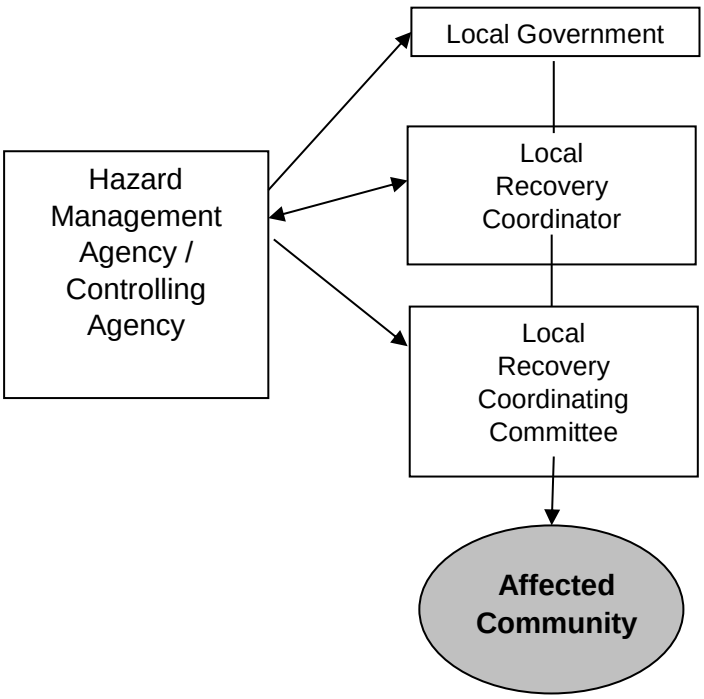
NGOs can provide assistance by way of emergency relief funds, shelter, accommodation or household supplies. Where possible, all offers of, or requests for, assistance should be coordinated through the LRCC to avoid duplication of effort and confusion.

4 Roles and Responsibilities

4.1 Recovery Structure

During the response phase of an incident, the following structure will be adopted by default, until the incident transitions from Response to Recovery, however the structure of Local Recovery Coordinating Committee is considered dynamic, and the composition and roles within the group will change depending upon the disaster being recovered from.

Initial Recovery Management Structure *(during response phase)*

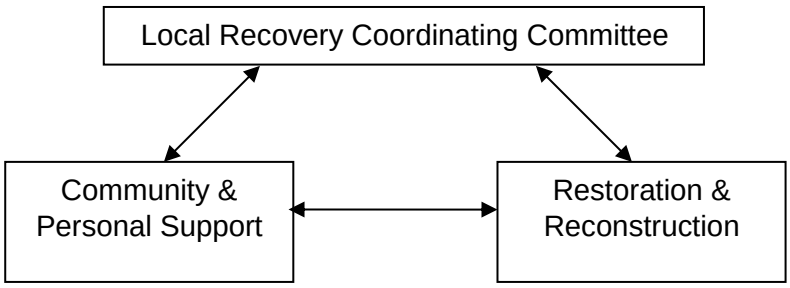


This structure sees the coordination and communication between the Hazard Management Agency (HMA) / Controlling Agency (CA), and the Local Government authority, including the Local Recovery Coordinator being included in the HMA / CA Incident Support Group briefings and meetings.

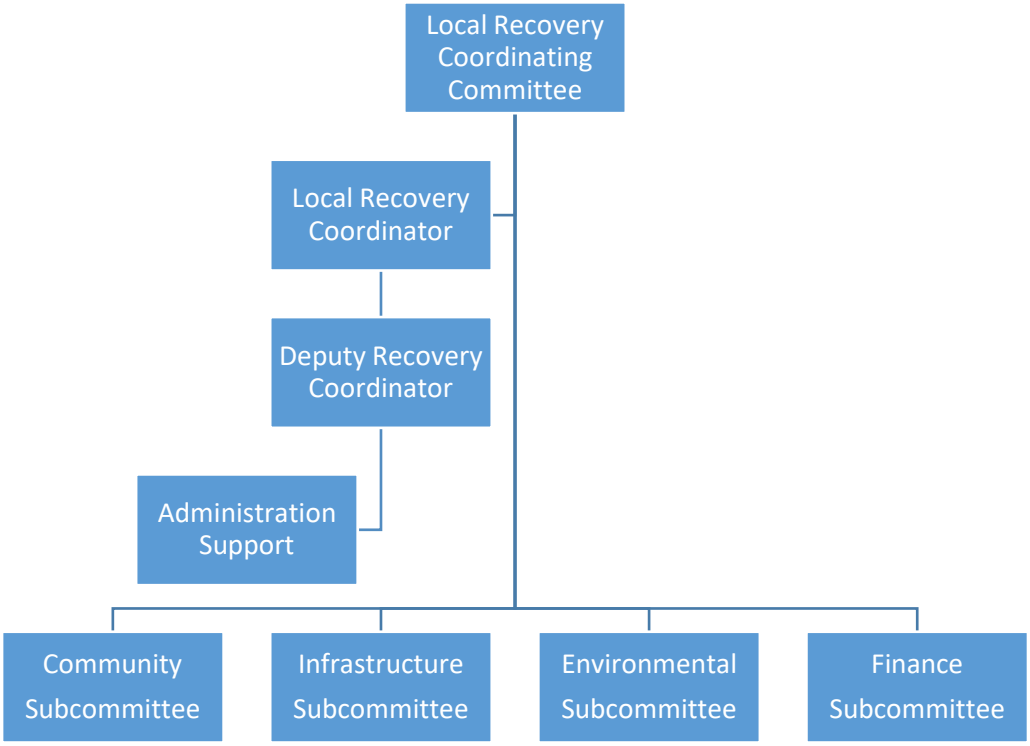
During the Recovery phase, this structure will change dependent upon the disaster, which will largely dictate required recovery actions i.e. a significant infrastructure sub-committee and associated functions may not be required for a bushfire that only affects pastoral land owners or nature reserve land.

Recovery Committee Structures

(following handover from CA/HMA to Local Government)



The above diagram illustrates a basic Recovery Committee structure, which the relevant Local Government authorities may adopt dependent upon complexity and impact of the disaster. For more complex disasters, the below structure will be applied. Position descriptions for roles, and guidance for subcommittee functions is included at Annex F. These structures can be scaled up or back as the situation dictates.



4.2 Local Recovery Coordinator

For the City of Greater Geraldton, The Coordinator, Emergency Management has been appointed as the Local Recovery Coordinator (LRC) in accordance with the Emergency Management Act 2005, S 41. (4).

For the Shire of Chapman Valley the CEO for the Shire has been appointed LRC.

For the Shire of Northampton the CEO for the Shire has been appointed LRC

The LRC is responsible for coordinating the recovery in conjunction with the LRCC and adhering to the plans, strategies and policies determined by the LRCC.

The LRC is also responsible for preparation, maintenance, testing and implementation of recovery management arrangements in accordance with Emergency Management Act 2005 and in consultation with Local Government.

A position descriptions of the Local Recovery Coordinator role, Deputy Local Recovery Coordinator and Local Recovery Coordinating Committee are available at Annex D.

4.3 The Local Recovery Coordinating Committee (LRCC)

The role of the LRCC is to coordinate and support local management of the recovery processes within the community. The LRCC comprises a core membership plus additional personnel depending on the type and magnitude of the event and the community affected.
The composition of the group is as follows:

Executive	Core Members	Co-opted Members
Chairperson (LGA Mayor/President)	Local Government Officers,	Department of Primary Industry and Regional Development
Local Recovery Coordinator	Hazard Management Agency(s)	Department of Biodiversity, Conservation & Attractions
Secretary (TBA)	Department of Health and or Environmental Health Officer	
Local Emergency Coordinator (OIC Police)	Department of Communities	Utilities (power, water, gas, etc.)
	Australian Red Cross	Main Roads WA
	WA Police Force	Education representative
	Community Representative/s, and if established Chairpersons of sub-committees	Community Groups
		Chamber of Commerce
		Insurance Council Rep
		Others as required.

The role of the LRCC is to coordinate and support local management of the recovery process within the community. Checklists for both the Local Recovery Coordinator and the Local Recovery Coordinating Committee are available at Annex E. These checklists detail tasking for each entity.

4.4 Local Recovery Coordinating Committee Subcommittees (where required)

Dependent upon the extent of the recovery process required, the following sub-committees may be established to assist the LRCC in the management of the recovery process.

- Community (Social)
- Infrastructure (Built)
- Environment (Natural)
- Finance (Economic)

Guidance for LRCC Sub-committees is available at Annex F.

5 Commencement of Recovery

5.1 Transition from Response to Recovery

The responsibility for coordinating recovery arrangements rests with the affected Local Government. State-level assistance may be required where the delivery of recovery services, or the coordination required to deliver recovery services, exceeds the capacity of the Local Government.

To ensure that appropriate recovery activities are initiated as soon as possible after impact of the event, the Controlling Agency / Hazard Management Agency (HMA) is to ensure the LRC is notified of the event. The LRC is to liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate. (Refer to State Emergency Management Policy 6.1 for more information)

The Incident Controller is to complete and sign the Comprehensive Impact Assessment to confirm the accuracy of the information and handover the responsibility to Local Government. The LRC will take over the responsibility for recovery and advise the LRCC to activate the recovery plan and related arrangements.

5.2 Activation

The decision to activate the Local Recovery Plan will be made by the Chair of LRCC on the advice of the LRC. Once the plan has been agreed to be activated, the LRC & LRCC become responsible for implementation of the plan.

5.3 Operational Recovery Planning

The operational recovery plan provides the strategic direction and details actions required to facilitate a successful recovery. When the LRCC is activated, the group will develop an operational recovery plan to guide its functions during the first meeting. The operational recovery plan includes assessment and recovery requirements, organisational management, operational aspects and administrative arrangements.

The following sources and agencies are involved in undertaking impact assessment encompassing the functional areas of recovery (i.e. social, built, economic and natural);

- Hazard Management Agencies.
- Welfare agencies – to identify persons in need of immediate assistance.
- Local Government surveyors, engineers, environmental health officers, waste/sanitation, and finance staff.
- Insurance assessors.

An Operational Recovery Plan template is available at Annex H.

5.4 Welfare and Health Services

Welfare is the responsibility of the Department of Communities. The Department of Communities local welfare, health and wellbeing plan details the arrangements that apply in local circumstances, consistent with the arrangements detailed in the State Emergency Welfare Plan.

The LRCC will work closely with the local office for Department of Communities in accordance with following plans:

- State Health Emergency Response Plan
- State Emergency Welfare Plan

5.5 Communication

It is the responsibility of LRCC to develop an effective communication plan for recovery. Throughout the recovery process, Local Government is to maintain an ongoing dialogue and share information with all other stakeholders and partners in the recovery process. The relevant Local Government authorities are responsible for developing a well-defined communication strategy that recognises the different means of communication with the stakeholders. The following communication methods can be used:

- Circulars
- Community Meetings
- Local Newspapers
- ABC Local Radio
- Email newsletters and text messaging
- Posters or pamphlets
- LGA social media and website

5.6 Communication Plan

Key groups who need to receive recovery information, the methods available and potential locations where information can be provided are detailed below:

Target Group	Communication Methods	Locations where will the information be provided
• Affected community • Recovery workers and volunteers • Vulnerable groups • General public	• Community Meetings • Local Newspapers • ABC Local Radio • Posters or pamphlets • Email • LGA social media and website	• Community groups • Batavia LEMC • Brigades and volunteer groups • Agency networks • Potential public meeting venues • Potential one-stop-shop locations

Annex J - Communication Tools

5.7 Review of the Plan

Testing and exercising are essential to ensure that the arrangements are workable and effective. The Local Recovery Plan is to be reviewed in accordance with State Emergency Management Policy 2.5, and amended and/or replaced whenever the Local Government considers it appropriate (Emergency Management Act, 2005 section 42).

According to State Emergency Management Policy No. 2.5, local emergency management arrangements (including a Local Recovery Plan) are to be reviewed and amended as follows:

- contact lists are reviewed and updated quarterly;
- a review is conducted after an event or incident in which the local recovery plan was implemented;
- a review is conducted after training that exercises the arrangements;
- an entire review is undertaken every five years, as risks might vary due to climate, environment and population changes; and
- circumstances may require more frequent reviews.

5.8 Exercise

Local Emergency Management Committees are to develop appropriate exercise plans and schedules to test local arrangements including Local Recovery Plan. At least one local level exercise should be conducted, on an annual basis. Refer to Emergency Management Act, 2005 section 39 and State Emergency Management Policy No. 3.1 – State Emergency Management Exercises for further information on conduct of exercise.

Exercising the arrangements during the planning process will allow the LRC & LRCC to:

- test the functionality and effectiveness of the local arrangements;
- bring together members of emergency management agencies and give them knowledge of, and confidence in, each other;
- help educate the community about local arrangements and programs thus providing them with confidence in their Local Government and emergency management agencies;
- allow participating agencies an opportunity of testing their operational procedures and skills in simulated emergency conditions; and
- test the ability of separate agencies to work together on common tasks, and to assess effectiveness of coordination between them.

The management of an exercise is a systematic process involving planning, documenting, conducting, evaluating and validating.

5.9 Evaluation of Recovery

It is the responsibility of the LRC to monitor the progress of recovery and provide periodic reports to the LRCC and State Recovery Coordinating Group, if established. The evaluation of recovery activities is essential to maximise lessons learned and identify where improvements can be made. An evaluation of the effectiveness of the recovery activities in relation to the recovery plan should be conducted within 12 months of the disaster.

The evaluation can involve:

- Community and stakeholder surveys
- Interviews
- Workshops
- Assessment of key project outcomes

6 Appendixes

6.1 Resource Register

Refer to 6.1 Resource Register in the Batavia LEMC Local Emergency Management Arrangements.

6.2 Volunteer Registration

Volunteer Information Form (VIF)

V.I.F. Reference Number: VIF _____

TITLE/PREFIX: Mr. / Mrs. / Miss / Dr / Other _____

NAME: _____

ADDRESS: _____

PHONE: BH: _____ AH: _____ MOB: _____

NEXT OF KIN: _____

PHONE: BH: _____ AH: _____ MOB: _____

AVAILABILITY: ☐ Day (0800 – 1630 hrs) ☐ Evening (1600 – 0030 Hrs)
Night (2400 – 0830 Hrs)

TYPE OF ASSISTANCE OFFERED

ACCOMMODATION: e.g. supply of _____

CHILD CARE: _____

CLERICAL: e.g. word processing, _____
Document collation

DOMESTIC: e.g. cleaning, washing, ironing _____

FOOD: e.g. meals, catering _____

HEALTH: e.g. massage relaxation _____

MANUAL LABOUR: e.g. gardening, lifting_____

PERSONAL SUPPORT: e.g. counselling, interpreter _____

PHOTOGRAPHY: _____

PROFESSIONAL ADVISE e.g. architect, builder _____

TOOLS/EQUIPMENT: e.g. loader, truck _____

TRANSPORT e.g. bus, car _____

OTHER _____

Completed by (employee):_____

DATE: _____ OFFICER: _____ SIGNATURE:_____

As a volunteer for the City of Greater Geraldton, I acknowledge the above information is true and correct. I undertake to maintain the confidentiality of any information acquired by me in the performance of any task undertaken in the performance of my allotted duties as a volunteer.

Date: _____ Signature: _____

TASK ALLOCATED:

V.T.A.F Ref No.:

1) V.T.A.F _____

2) V.T.A.F _____

3) V.T.A.F_____

LOG SHEET:

V.T.A.F Ref No.:

1) VLF _____

2) VLF _____

3) VLF _____

Volunteer Log Form (V.L.F)

V.L.F. REFERENCE NUMBER: VLF _____

Volunteer Name	V.I.F Reference Number	Time In	Time Out	V.T.A.F. Reference Number	Volunteer Signature	Authorised Officer Signature
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		
	VIF			V.T.A.F		

Volunteer Task Allocation Form (VTAF)

V.T.A.F. Reference Number: V.T.A.F_____

DATE: _____

TASK NAME: _____

TASK COORDINATOR NAME: _____

COORDINATOR CONTACT No.: _____

ALTERNATIVE CONTACT No.: _____

TASK DESCRIPTION:

_____
_____
_____
_____
_____
_____
_____
_____

OTHER COMMENTS:

_____
_____
_____
_____
_____

AUTHORISED BY:

NAME: _____

DATE: _____

Volunteer Attendance Roster

The following roster has been endorsed by the Local Recovery Coordination Group (LRCC) and distributed to the relevant employee and work area.

Date On	Date Off	Time On	Time Off	Volunteer Name	VIF Number	V.T.A.F Number
		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

		0800 hrs	1630 hrs			
		1600 hrs	0030 hrs			
		0030 hrs	0800 hrs			

The following criteria have been considered by the LRCC while developing the roster.

Shifts per day:	3 - Occupational Health and Safety
Shifts per week	5 days on, 2 days off - Fatigue management
Length of shift:	8.5 hours - Work life balance
Hand over period:	30 minutes - Task commitments
Rotation of roster:	Every 2 days- Volunteer welfare
Rest period:	Minimum 10 hour rest period between shifts

6.3 Donation Forms

RECIEPT OF DONATIONS

Date Pledged: _____ Date Received: _____

Donor Name: _____

Company / Organisation: _____

Donor Address: _____

_____

MOB: _____ Email: _____

Item Donated / Description

_____

_____

_____

Total Estimated Value: _____

Received By: _____ Officer Signature: _____

Comments:

_____

_____

_____

Donation Register

Date Received	Donor Name	Donor Address	Donor Contact Details	Item Category	Item Donated / Description	Issues / Distribution	Date Distributed	Quantity	Total Value
2/01/2016	*Joe Bloggs*	*1 Smith St, Geraldton*	*0456 123 789*	*Materials*	*Colourbond Sheeting*		*5/01/2011*	*5*	*$ 250.00*

$250.00

6.4 Recovery Position Descriptions

LG Logo

Job Title: **Local Recovery Coordinator**

Direct Reports: Deputy Local Recovery Coordinator

Location: Coordination Centre

1. Job Purpose

The Local Recovery Coordinator (together with the Local Recovery Coordinating Committee where activated) will manage the recovery process on behalf of the Local Government. It is essential that the occupant of this positon is aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

The position of Local Recovery Coordinator is a mandatory role of all Local Government authorities in accordance with the Emergency Management Act 2005.

3. Key Accountabilities

- Ensure the Local Recovery Plan is established, approved and tested
- Liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate
- Assess the community recovery requirements for each event, in conjunction with the HMA, Local Emergency Coordinator and other responsible agencies,
- Provide advice to the Mayor/Shire President and Chief Executive Officer on the requirement to convene the Local Recovery Coordinating Group (LRCC) and provide advice to the LRCC if convened
- Ensure the functions of the Executive Officer are undertaken for the LRCC.
- Assess for the LRCC requirements for the restoration of services and facilities with the assistance of the responsible agencies where appropriate.
- Determine the resources required for the recovery process in consultation with the LRCC.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Liaise with the District Emergency Management Advisor on issues where State level support is required or where there are problems with services from government agencies locally.

- Facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Ensure the recovery activities are consistent with the principles of community engagement
- Arrange for the conduct of an operational debriefing of all participating agencies and organisations as soon as possible after cessation of the arrangements.
- Arrange for an evaluation of the effectiveness of the recovery activities in relation to the recovery plan, within 12 months of the emergency

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.
- Knowledge of the principles of emergency risk management and emergency management.
- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility.
  I may be required to perform other duties that are consistent with my classification including temporary activities or projects.
- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

LG Logo

Job Title: **Deputy Local Recovery Coordinator**

Direct Reports: Administrative staff (during emergencies)

Location: Coordination Centre

1. Job Purpose

The Deputy Local Recovery Coordinator (together with the Local Recovery Coordinating Committee where activated) will assist in the management of the recovery process on behalf of the Local Government. It is essential that the occupant of this positon is aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

The position of Deputy Local Recovery Coordinator is crucial, as the incumbent needs to be prepared and able to perform all Local Recovery Coordinator (LRC) tasks in the Coordinators absence. The Coordinator is a mandatory role of all Local Government authorities in accordance with the Emergency Management Act 2005. The position is part of the Fire and Emergency Services branch within the Infrastructure Services Department.

3. Key Accountabilities

- Assist the LRC to ensure the Local Recovery Plan is established, approved and tested
- Liaise with the Controlling Agency, including attending the Incident Support Group and Operations Area Support Group meetings where appropriate, often the Deputy position will be utilised in a liaison officer role, implementing the crucial link between the Incident Support Group, and the Local Government Authority.
- In conjunction with the HMA, Local Emergency Coordinator and other responsible agencies, assess the community recovery requirements for each event as required.
- Provide advice to the Mayor/Shire President and Chief Executive Officer on the requirement to convene the Local Recovery Coordinating Group (LRCC) and provide advice to the LRCC if convened
- Perform the functions of the Executive Officer for the LRCC as required.
- Assess for the LRCC requirements for the restoration of services and facilities with the assistance of the responsible agencies where appropriate.
- Determine the resources required for the recovery process in consultation with the LRCC.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Monitor the progress of recovery and provide periodic reports to the LRCC and State Recovery Coordinating Group, if established.
- Facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Arrange for the conduct of an operational debriefing of all participating agencies and organisations as soon as possible after cessation of the arrangements.

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.
- Knowledge of the principles of emergency risk management and emergency management.

- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility.
  I may be required to perform other duties that are consistent with my classification including temporary activities or projects.

- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

LG LOGO

Job Title:	**Local Recovery Coordinating Committee** (Members and subcommittees)
Direct Reports:	Dependent upon specific emergency
Location:	Coordination Centre

1. Job Purpose

The Local Recovery Coordinating Group (where activated) will manage the recovery process on behalf of the Local Government. It is essential that the occupant of a committee or sub-committee role are aware of the full extent of the role, their impact on the community, and crucial nature of their role in effecting recovery.

2. Organisational Context

In accordance with the Emergency Management Act 2005, Local Government Authorities are responsible for effecting recovery in their communities. Local Recovery Coordinating Group (LRCC) and subcommittee position fulfil this responsibility in a comprehensive manner - as a committee, or may delegate specific elements of recovery operations to subcommittee.

3. Key Accountabilities

- Review and participate in testing of the Local Recovery Plan
- Receive incident specific information from the Controlling Agency, Incident Support Group and Operations Area Support Group where appropriate, via the Local Recovery Coordinator or his/her Deputy.
- Utilise received information to assess the community recovery requirements for each event, in conjunction with the HMA, Local Emergency Coordinator and other responsible agencies,
- Determine the resources required for the recovery process in consultation with the Local Recovery Coordinator.
- Coordinate local level recovery activities for a particular event, in accordance with plans, strategies and policies determined by the LRCC.
- Monitor the progress of recovery and provide periodic reports to the State Recovery Coordinating Group, if required.
- In conjunction with the Local Recovery Coordinator, facilitate the acquisition and appropriate application of the resources necessary to ensure an effective recovery
- Ensure the recovery activities are consistent with the principles of community engagement
- Participate in an operational debriefing after cessation of the arrangements.

- Participate in an evaluation of the effectiveness of the recovery activities in relation to the recovery plan, within 12 months of the emergency

4. Corporate Accountabilities

- Human Resource Management & Leadership – Participates in required performance management processes; participate in learning and development activities including induction, recruitment, and succession planning.
- OH&S – Ensure duty of care compliant with OH&S legislation and follow all safety and injury management processes appropriately, including reporting injuries, accidents and near misses.
- Ethical Behaviour – Demonstrate a positive commitment and compliance with EEO legislation covering all forms of workplace discrimination, harassment, victimisation and bullying; compliance with the City's Code of Conduct and all City policies.
- Records Management - Ensures all documents are recorded in accordance with the City's Record Keeping Plan and policies and procedures. Ensures confidentiality is maintained at all times.
- Budgets – Manage the activities with a financial implication, to ensure that expenses are controlled and monitored accurately.
- Values - create a positive working environment while upholding the City's organisation values

5. Person Specification

Qualifications and Experience

- Current C Class Drivers Licence
- Current National Police Clearance Certificate
- Formal qualifications/experience in Emergency Management (desirable)
- Experience and knowledge in the application of planning, prevention, response and recovery strategies in relation to Emergency Management.
- Experience working with diverse groups in the community.

Knowledge and Skills

- Sound understanding of the Emergency Management Act 2005 and Emergency Management Regulations 2006.
- Sound understanding of Local Government Emergency Management Responsibilities in Western Australia.

- Knowledge of the principles of emergency risk management and emergency management.

- The ability to communicate effectively with internal and external stakeholders.

Certification

I have read and understood the contents of this position description and accept the following:

- This position description is aimed at describing the core output and not intended as a complete list of responsibilities, with the focus being on key outputs and flexibility. I may be required to perform other duties that are consistent with my classification including temporary activities or projects.

- My position is dynamic and that continuing, change and improvement of processes, practices, knowledge, skills and behaviours is expected by the City of Greater Geraldton and this position description facilitates this development that I will actively invest in.

Employee Name: _____

Employee Signature: _____

Date: _____

6.5 LRC / LRCC Action Checklists

Local Recovery Coordinator – Operational Check List

First 24 hours

Task Description	Status
Liaise with relevant response agencies regarding location, size, type and potential impact of the disaster	
Attend response agencies' Operations Area and Incident Support Group meetings for situational awareness and likely timings for transition to recovery phase	
Contact and alert key staff (incl. LRCC Executive and Subcommittee members), determine initial requirements (e.g. admin support to maintain a record of events and communications with key staff).	
Receive initial impact assessment from HMA / CA, determine likely human effects and alert relevant recovery agencies	
In conjunction with LRCC Executive, determine level of state government involvement, in consultation with District EM Advisor	
Support Dept. of Communities to determine immediate short-term needs (e.g. accommodation, financial assistance and personal support)	
Determine likely effects on community until relevant recovery agency(s) is operational (i.e. Dept. of Child Protection & Family Support may take 4-6 hours to mobilise and establish welfare/evacuation centre(s), plus travel time if relevant.	
Determine need to activate LRCC, sub committees and membership. If activated, establish a recovery coordination centre OR if not activated, ensure sufficient resources are retained to record recovery expenditure (incl. logging expenses, receipts, timesheets), staff tasking, plant & machinery usage etc.	
Establish a liaison officer located at HMA/CA emergency operations centre, Establish a recovery information centre to provide affected community with access to all recovery services.	
Identify and manage special needs groups or individuals that may require specific support mechanisms, services or equipment (e.g. mobility impaired, CaLD)	
Activate outreach program(s) to meet immediate needs and determine ongoing needs. Issues should include the need for specialist counselling, material aid, accommodation, financial assistance, social, recreational and domestic facilities.	
Meet with specific agencies involved with recovery operations to determine strategies, and activate inter-agency liaison mechanisms	
Manage offers of assistance, including volunteers, material aid and money	
Maintain ongoing assessment of impact of the event through Local Government data, geographic data and relevant response agencies situation reports.	
Meet with recovery agencies for full assessment of event impact. Determine best means of involving affected community and actions from specific agencies.	
Arrange media briefing (Mayor / Shire President / CEO) on recovery program	
Organise briefing and debriefing processes for staff, and establish staffing arrangements to ensure recovery is maintained without fatigue	

Local Recovery Coordinator – Operational Check List

First 48 hours

Task Description	Status
Assess reports gathered through outreach programs to assess community needs	
Monitor staffing arrangements – relief/fatigue	
In collaboration with LRCC, develop Operational Recovery Plan – recovery objectives, requirements, governance arrangements, resources and priorities	
Manage offers of assistance, including volunteers, material aid and donated money (delegate to finance sub-committee)	
Activate community (specific) recovery committees, ensuring active participation of members of the affected community.	
Manage restoration of essential infrastructure / utilities	
Develop a community information process, including consideration of public meetings and newsletters	
Implement event specific communications plan, arrange media briefing (Mayor / Shire President / CEO) on recovery program, consider establishing call centre with prepared responses for FAQ's	
Maintain ongoing assessment of impact of the event through information / data, geographic data and relevant response agencies.	
Review resources and services on an ongoing basis	
Report to organisational hierarchy on likely costs/ impact of involvement in recovery activities.	
Provide newsletters to the affected community and information to the media as required.	
Continue to monitor agency activities and withdrawal of services when appropriate	
Debrief recovery agencies	
Maintain recovery coordination centre operations	

Local Recovery Coordinator – Operational Check List

First 72 hours

Task Description	Status
Monitor staffing arrangements	
Participate in development of Comprehensive Impact Assessment (led by CA)	
Review resources and services on an ongoing basis	
Establish whether event has been proclaimed an eligible natural disaster under the DRFA-WA, if so – what assistance may be available	
Determine longer term recovery measures and strategies	
Maintain recovery centre operations	
Provide newsletters to the affected community and information to the media as required.	
Continue to monitor agency activities and withdrawal of services when appropriate	
Debrief recovery agencies and staff, evaluate effectiveness of recovery program	
Recognise agency / staff input	

LOCAL RECOVERY COORDINATION GROUP

ACTION CHECK LIST

Description	Status
In the Transition from Response	
Ensure the appointment of a LRC has occurred.	
Ensure Incident Controller includes the LRC in official meetings and briefings	
Ensure the Incident Controller is aware of recovery requirements and tasks prior to the termination of the response phase.	
Ensure that agencies with response and recovery obligations are aware of their continuing role.	
Initiate key recovery arrangements including full LRCC committee briefing during the response phase and ensure formal handover takes place.	
Management Structure – the LRCC shall:	
Set up an office with administrative support	
Facilitate representative sub-committees to coordinate and action recovery tasks and disseminate decisions as required.	
Ensure and facilitate the completion of the impact assessment	
Assume public information obligation from response agency, provide information to impacted area, general public and the media. See 'Communication tools'.	
Facilitate and advise on State / Federal emergency relief funding and facilitate and advise on private aid and funding.	
Activate and coordinate the Recovery Coordination Centre if required.	
Prepare oral and written financial and non-financial reports and briefs.	
Promote Community Involvement – the LRCC shall:	
Work with existing community organisations.	
Recruit representative(s) of the affected community into the recovery planning	
Establish strategies for uniting the community behind agreed objectives	
Provide a "one-stop-shop' for advice, information and assistance during the recovery period.	

Establish mechanisms for the sharing of information and reporting local initiative (e.g. regular community meetings & local newsletters). See 'Communication tools'	
Impact Assessment (Managerial Issues) – The LRCC shall:	
Use intelligence / planning information from the response operation and set up a recovery liaison person in the HMA's Incident Support Group.	
Confirm the total area of impact for determination of survey focus.	
Set out the immediate information needs: infrastructure problems and status, damage impact and pattern and welfare issues.	
Identify and close information gaps (establish the "big picture")	
Assess the financial and insurance requirements of affected parties.	
Gather evidence to support requests for government assistance.	
Ensure all relevant information is strictly confidential to avoid use for commercial gain	
Inspections and Needs Assessments (technical focus) – the LRCC shall:	
Establish and define the purpose of inspection / assessment and expected outcomes.	
Consistently apply agreed criteria (requiring a common understanding by the people undertaking the survey process.)	
Collect and analyse data.	
Establish a method / process to determine the type of information needed for this recovery operation, defining: How and who will gather the information (single comprehensive survey); How information will be shared; How information will be processed and analysed; How the data will be verified (accuracy, currency and relevance)	
Managing the process to minimise "calling back"	
Select and brief staff	
Maintain confidentiality and privacy of assessment data.	
Data Management – the LRCC shall:	

Define who is responsible for which part for the data management task and ensure proper process of relevant data transfer.	
Create templates for impact assessment and for tracking assistance provided	
State Government Involvement – the LRCC shall:	
Establish strong relationship with key regional government agency representatives, and appoint them to appropriate LRCC sub- committees, as appropriate.	
Gain familiarity with the recovery claim process, and Relief Fund applications.	
Establish system for recording all expenditure during recovery, in-line with the requirements of the recovery plan (includes logging expenditure, keeping receipts and providing timesheets for paid labour)	
Answer requests for information from government agencies.	
Public information – the LRCC shall:	
Appoint potential spokes people to deal with the media (usually Mayor/Shire President).	
Manage public information during the transition from response to recovery when hand–over completed by HMA	
Identify priority information needs	
Develop a media / communications strategy. See 'Communication tools'	
Coordinate public information through: Spokesperson/s; Identifying and adopting key message priorities; Using a single publicised web site for all press releases	
Develop processes for: Media Liaison and management (all forms e.g. print and electronic) Briefing politicians Alternative means of communication e.g. public meetings, mail box flyers advertising; Communicating with community groups. Meeting specialist needs Formatting press releases Developing and maintaining a website Ensuring feedback is sought, integrated and acknowledged.	
Monitor print and broadcast media and counter misinformation.	
Rehabilitation and Assistance – the LRCC shall:	

Establish a mechanism for receiving expert technical advice from welfare groups.	
Monitor and assist rehabilitation of critical infrastructure.	
Prioritise recovery assistance.	
Prioritise public health to restore health services and infrastructure.	
Assist and liaise with business to re-establish and reopen.	
Restore community and cultural infrastructure (including education facilities)	
Restore basic community amenities for meetings and entertainment.	
Facilitate emergency financial assistance in liaison with DoC	
Adjust capital works and maintenance programs	
Implementation of reduction measures – the LRCC shall plan to:	
Take the opportunity while doing the risk analysis, to: Identify essential services and facilities in high risk areas, Consider the restoration options in the event of them becoming dysfunctional	
Identify options based on research and consultation	
Undertake urgent hazard reassessment based on new (event) information and adhere to the Local Emergency Management Arrangements	
Financial Management – the LRCC shall plan to:	
Review financial strategies	
Communicate with financial agencies, including insurance providers.	
Keep financial processes transparent	
Reporting – the LRCC shall plan to:	
Provide a simple, flexible and succinct reporting system	
Provide adequate administrative support	
Managed Withdrawal – the LRCC shall plan to:	
Continually review the recovery management process with a view to withdrawing as the community takes over.	
Identify long term recovery activities and agencies responsible for management.	

Establish arrangements for ongoing public information and communications including avenues for reporting and management of unresolved community recovery issues.	
Stage a public event of acknowledgment and community closure.	
Debrief with participants to obtain community input to identify lessons learned and strategies for enhancing community recovery arrangements and processes for future events.	

6.6 Sub Committee Roles

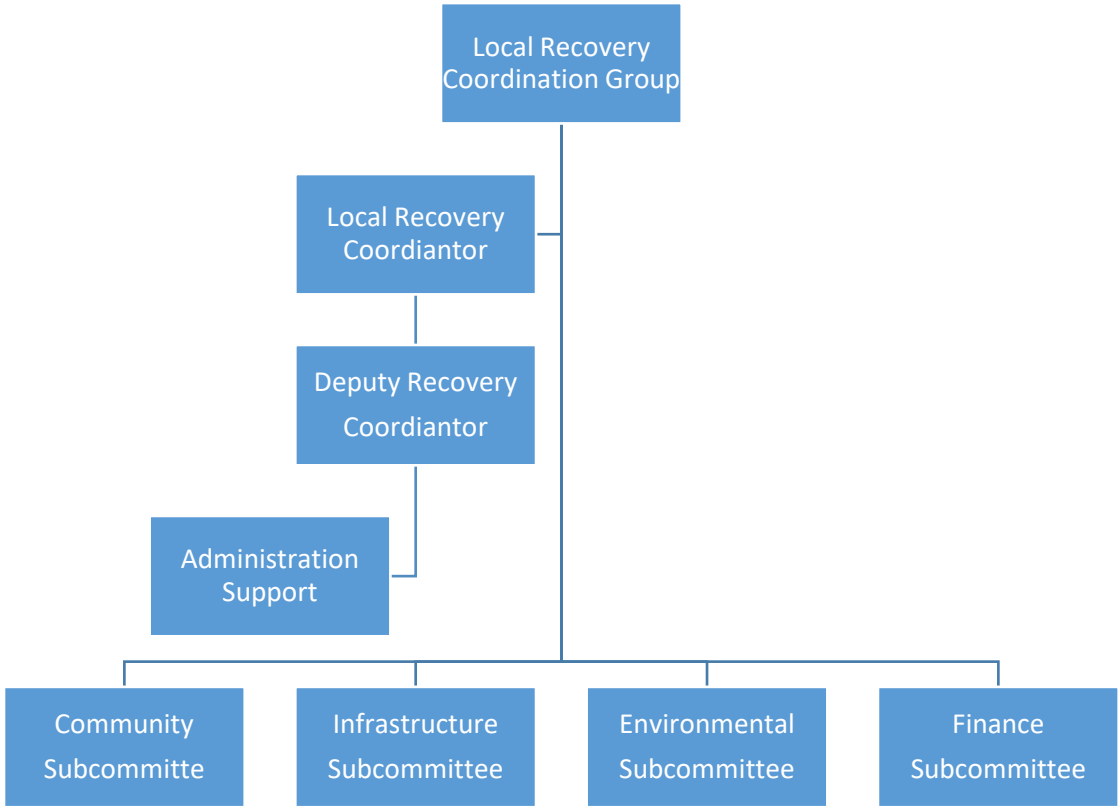
Guidance for Recovery Sub-Functions

Introduction

The Local Recovery Coordinating Committee manages the recovery process on behalf of the Local Government. Depending upon the size and complexity of the disaster, subcommittees will be established by the committee to manage specific responsibilities.

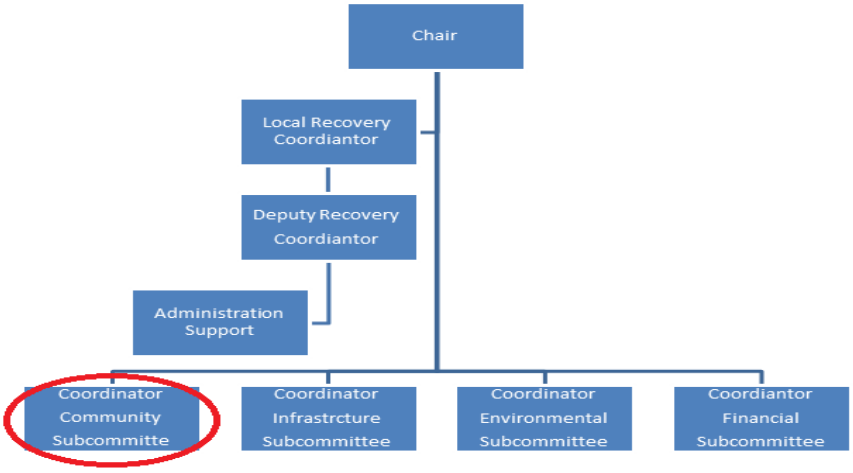
These responsibilities can be broadly grouped into the following functions:

Community – Provision of recovery services to affected communities such as counselling. This affects individuals, families, local groups, clubs and associations.
Infrastructure – Recovery/restoration of public infrastructure and community amenities, where possible supporting reconstruction of private infrastructure.
Environment – Provision of environmental health services (core Local Government role), in response to a disaster, such as environmental monitoring of mosquito breeding following a flood, asbestos fibre release following an earthquake etc.
Finance – Relates to the economic and financial recovery of commercial, industrial and government sectors, as well as specific industries such as tourism or agriculture.



Suggested structure for Local Recovery Coordinating Committee and appointed subcommittees

Community Sub-Committee Role



Role: This Sub-Committee is to coordinate the planning and implementation of recovery in the areas of safety and well-being, physical and psychosocial health, and social aspects.

Responsibilities:

- Assess the impact of the disaster event on human and social aspects.
- Coordinate information provision, welfare and personal support.
- Coordinate psychosocial and counselling services.
- Coordinate ongoing medical and health services.
- Coordinate public health advice warnings and direction to combatants and the community.
- Provide and coordinate specialist and outreach services.
- Coordinate case management, community development, support and referral to assist affected people, families and groups.
- Work with Local Government and community leadership groups to enable learning from their emergency experience in order to better prepare for future adverse events.

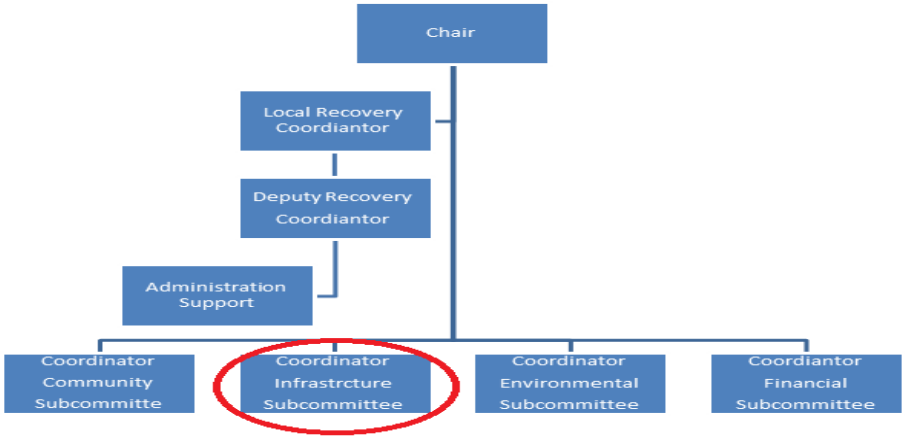
Suggested Members:

- Community Development Officers
- Department of Communities
- WA Department of Health
- Red Cross
- Local Community organisations

Supporting Organisations:

- Centrelink
- Department of Education
- Salvation Army
- Others as required

Infrastructure Sub-Committee Role



Role: Coordinate planning and implementation of housing, commercial and industrial buildings and structures, and physical infrastructure (including power, water, telecommunication, and transport) recovery in the district /region.

Responsibilities:

- Work with the insurance sector to ensure adequate and speedy processing of insurance claims.
- Assess damage to housing stock, commercial and industrial buildings and structures, rural structures, and infrastructure facilities.
- Coordinate demolition of unsafe buildings and structures, if required.
- Coordinate demolition of unsafe buildings and structures, if required.
- Coordinate repair and rebuilding matters for housing stock, where necessary.
- Develop an option for temporary accommodation.
- Ensure a coordinated approach to housing-related strategies in partnership with relevant organisations.
- Coordinate disposal of hazardous material, debris etc.
- Coordinate recovery of infrastructure, which is normally undertaken by infrastructure owners and operators (e.g. Telstra, Energex).
- Coordinate restoration of sporting facilities and public playground, where necessary.
- Prioritise repair and reconstruction activities, where appropriate.
- Ensure relevant owners/operators are involved in the decision making process.
- Ensure community consultation and involvement in the decision making process.
- Ensure disaster risk reduction is considered in planning for rebuilding and reconstruction.

Suggested members:

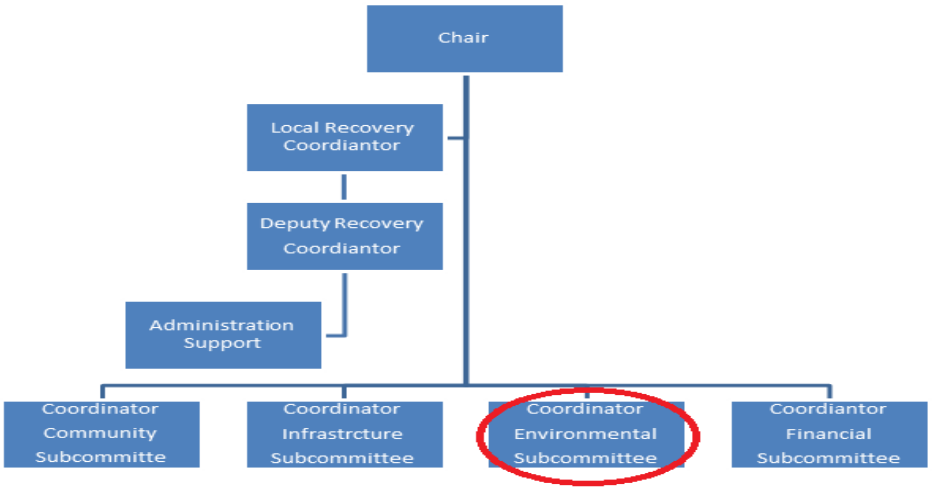
- Works foreman / Depot supervisor
- Department of Infrastructure and Planning
- Department of Public Works
- Building Service Authority
- Treasury

- Department of Communities (Housing Services)
- Department of Planning, Lands & Heritage
- Department of Transport
- Main Roads - WA

Supporting Organisations:

- Utility owners /operators (Telstra, Optus, Western Power, Water Corporation)
- Department of Mines , Industrial relations and safety
- Insurance Council Australia
- Others as required

Environmental Sub-Committee Role



Role: This sub-committee is to coordinate recovery of the natural environment

Responsibilities:

- Coordinate assessment of disaster impact on natural environment e.g. water quality, ecological impact, pollution).
- Provide advice on potential environment issues (e.g. water quality).
- Coordinate rehabilitation of natural environment including parks, waterways and wild life.
- Coordinate preservation of community assets (e.g. reserves and parks).
- Consider mitigation strategies to reduce future impacts on natural environment where appropriate.
- Monitor issues of pollution.
- Coordinate waste management and disposal.
- Ensure environmental bodies and interest groups are involved in the decision making process
- Monitor and assess the environmental consequences of clean-up operations
- Monitor and assess animal welfare issues

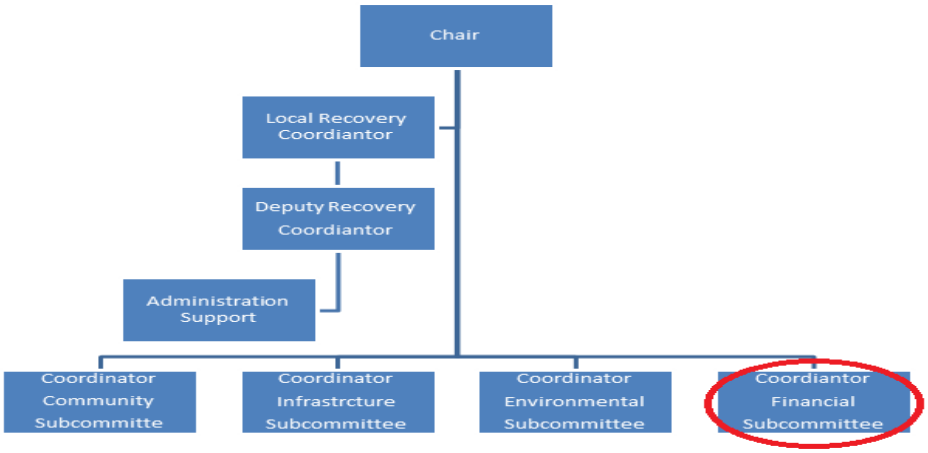
Suggested Members:

- Environmental Health Officer
- Department of Water and Environmental Regulation.
- Environmental Protection Agency
- Department of Primary Industries & Regional Development

Supporting Organisations:

- Environmental Advisors
- Chemical and Hazard Substance Advisors
- Environmental Interest Groups
- Catchment Coordination groups

Finance Sub-Committee Role



Role: Coordinate planning and implementation of economic and financial recovery in the <local government authority> area**.**

Responsibilities:

- Work with insurance sector to ensure adequate and prompt processing of insurance claims.
- Assess impact on key economic assets (large employers e.g. mining, tourism etc.).
- Assess employment issues and capacity of local business to operate.
- Facilitate business, industry and regional economic recovery and renewal.
- Develop industry and business recovery plans and strategies in conjunction with Local Government, State Government agencies, regional economic development and industry bodies.
- Facilitate financial assistance, access to funds, loans and employer subsidies.
- Monitor the impacts of disaster on the Council's economic viability and develop strategies to minimise the effects on individuals and businesses.
- Facilitate linkages with job providers and employment agencies to source labour.
- Develop a strategy to maximise use of local resources during reconstruction activities.
- Support small to medium enterprises (e.g. referral, business assistance).
- Coordinates support to farmers and rural landlords, where necessary.
- Ensure involvement of local business and industry representatives in decision making.
- Ensure that the recovery plan informs broader planning and decision making activities across government and non-government agencies.

Suggested Members:

- Finance / Rates officers
- Department of Primary Industries & regional Development
- Insurance Council of Australia
- Department of Local Government, Local Government Association

Supporting organisation:

- Insurance Companies

6.7 Comprehensive Impact Assessment

The Comprehensive Impact Assessment is a separate file owing to its size, available in the toolkit.

The Comprehensive Impact Assessment is also available at www.dfes.wa.gov.au

6.8 Operational Recovery Plan

OPERATIONAL RECOVERY PLAN

Batavia LEMC Local Recovery Coordinating Committee

Emergency: (type and location)

Date of Emergency:

Section 1

Introduction

- Background on the nature of the emergency or incident
- Aim or purpose of the plan
- Authority for plan

Section 2

Assessment of Recovery Requirements

- Details of loss and damage to residential, commercial and industrial buildings, transport, essential services (including State and Local Government infrastructure)
- Estimates of costs of damage
- Temporary accommodation requirements (includes details of evacuation centres)
- Additional personnel requirements (general and specialist)
- Human services (personal and psychological support) requirements
- Other health issues

Section 3

Organisational Aspects

- Details the composition, structure and reporting lines of the groups/committees and subcommittees set up to manage the recovery process
- Details the inter-agency relationships and responsibilities
- Details the roles, key tasks and responsibilities of the various groups/committees and those appointed to various positions including the Recovery Coordinator

Section 4

Operational Aspects

- Details resources available and required
- Redevelopment Plans (includes mitigation proposals)
- Reconstruction restoration programme and priorities, (including estimated timeframes)

- Includes programs and strategies of government agencies to restore essential services and policies for mitigation against future emergencies
- Includes the Local Government program for community services restoration
- Financial arrangements (assistance programs (DRFA-WA), insurance, public appeals and donations
- Public information dissemination.

Section 5

Administrative Arrangements

- Administration of recovery funding and other general financial issues
- Public appeals policy and administration (including policies and strategies for office and living accommodation, furniture and equipment details for additional temporary personnel).

Section 6

Conclusion

Summarises goals, priorities and timetable of plan.

Signed by

Chair, Local Recovery Coordinating Group

Date:

6.9 Recovery Actions Database

Recovery Actions Database

Incident Type and Location:			Page No:	Date:
Time:	**From:**	**To:**	**Name:**	**Employee #:**

6.10 Communication Tools

Disaster Name					
Location					
Date of Disaster					
COLLATERAL	Description- what's required	Distribution Point	Responsible Person	Due Date	Status
Flyer					
Newsletter					
Brochure					
PAID MEDIUMS					
Newspaper					
Guardian					
Midwest Times					
TaGG					
Radio					
Spirit					
Red FM					
Radio Mama					
ABC					
PUBLICITY					
Media Release					
Radio Interview					
Mayors Radio Spot- f/n					
Email Distribution					

SOCIAL MEDIA					
CGG Facebook					
Twitter					
Everything Geraldton					
You Tube					
WEB					
CGG Website - Banner - Latest News - Temporary Web page - Events Calendar					
3rd Party Websites					
VENUES					
Visitor Centre					
Library					
Airport					
OTHER					

[EXAMPLE: INSERT CITY/SHIRE LOGO HERE]

COMMUNITY SERVICE ANNOUNCEMENT

FOR IMMEDIATE RELEASE

[Insert Title Here]

The [INSERT NAME OF COUNCIL / SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE LOCATIONS].

Residents in the area are advised to [RELEVENT ADVICE].

You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].

If you require further information please contact [INSERT CONTACT DETAILS].

ENDS:

Notes to media:

For all media enquiries, please contact the [INSERT MEDIA/COMMS CONTACT]

[EXAMPLE: INSERT CITY/SHIRE LOGO HERE]

COMMUNITY SERVICE ANNOUNCEMENT

FOR IMMEDIATE RELEASE

[Insert Title Here]

[Insert Date Here]

The [INSERT NAME OF COUNCIL OR SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE THE LOCATIONS].

Residents in the area are advised that [RELEVENT ADVICE/INFORMATION].

You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].

If you require further information please contact [INSERT CONTACT DETAILS].

Residents in the [STATE THE LOCATION] area are reminded to do the following:

- [STATE EMERGENCY PRECAUTIONS IN DOT POINTS]

Important numbers to remember:

- [STATE EMERGENCY SERVICES DETAILS: SES, BOM, DFES ETC]

ENDS:

Notes to media:
For all media enquiries, please contact the [INSERT MEDIA/COMMS CONCTACT].

Social Media Templates

Facebook

Facebook Post #1

The [INSERT NAME OF COUNCIL OR SHIRE] wishes to advise that there is a current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning in place for [STATE THE LOCATION].
Residents in the area are advised to [RELEVENT ADVICE].
You can find regular updates [ON WEBSITE, VIE TELEPHONE, SOCIAL MEDIA].
If you require further information please contact [INSERT CONTACT DETAILS].

Facebook Post #2

Residents in the [STATE THE LOCATION] area are reminded to do the following during the current [STATE THE EMERGENCY EG FLOOD, FIRE, CYCLONE] warning:

- [STATE EMERGENCY PRECAUTIONS IN DOT POINTS]

Facebook Post #3

Important numbers for you to remember:

- [STATE EMERGENCY SERVICES DETAILS: SES, BOM, DFES ETC]

Twitter

There is a current [STATE THE EMERGENCY] in place for [STATE LOCATION] and surrounding areas. Find more info here: [INSERT SHORTENED LINK].

6.11 Organisational Responsibilities

ORGANISATIONAL RESPONSIBILITIES

The following list details the assigned (or potential) roles and responsibilities of organisations that may be participants in the recovery phase of a disaster.

ORGANISATION	CONTACT NUMBER
City of Greater Geraldton	9956 6600
Shire of Chapman Valley	9920 5155
Shire of Northampton	9934 1202
Department of Communities	1800 176 888
Main Roads WA	0429 087 838
Department of Primary Industry and Regional Development	08 9220 7555
Department of Biodiversity, Conservation and Attractions	08 9219 9000
WA Police	9923 4555
Department of Transport	08 6551 6000
Western Power	0429 118 078
Water Corporation	13 13 85
Alinta Gas	13 37 02
Atco Gas	6163 5400
Aurizon Rail	13 23 32
ARC Infrastructure	9964 0301
Health Department	02 9289 1555
Education Department	9956 1600
Lord Mayor's Stress Relief Fund?	1300 998 227

Local Government	Ensure that a Local Recovery Plan for its district is prepared, maintained and tested [EM Act s.41(4)]. Appoint a Local Recovery Coordinator(s) [EM Act s.41(4)]. Chair the LRCC, Provide administrative support to the LRCC, as required. Provide other representatives to the LRCC or subcommittees, as appropriate (e.g. Building Surveyor, Environmental Health Officer, and Community Services). Ensure the restoration/reconstruction of services/facilities normally provided by the Local Government.
Department of Communities	Provide a representative to the LRCC. Coordinate welfare services, including emergency accommodation, catering, clothing, personal effects, personal services, registration and reunification, financial assistance. Provision of Personal Hardship and Distress measures under the WA Natural Disaster Relief Arrangements, incl. counselling, emergency assistance and temporary accommodation
Department of Primary Industries & Regional Development	Provide a representative to the LRCC. Provide technical support to primary producers and industry groups for recovery from animal or plant pest or disease emergencies Manage the provision of assistance to farmers, particularly in relation to the Primary Producer Package.
Main Roads Western Australia	Provide a representative to the LRCC. Assess and report on damage to State/Federal road infrastructure that may impact on the community. In conjunction with the Local Government, assist with the assessment of damage to local roads and issue of advice of roads closure/alternate transport route. Assist Local Government with reopening and restoration of damage to local roads including providing access to funding where available through the MRWA Flood Damage to Local Roads Special Funding Assistance Program or the DRFA-WA.

Essential Services(Including Power , Telecommunication , Water and Gas – Western Power/Horizon Power , Telstra, Water Corporation , Alinta Gas)	Provide a representative to the LRCC (co-opted as required). Assess and report on damage to essential services and progress of restoration of services. Facilitate restoration of priority services as requested by the LRCC.
Regional Development Commission/Business Enterprise Centre (If available) Small Business Development Corporation	Provide a representative to the LRCC (co-opted as required). Assist with the assessment of the impact of the emergency on small business. Provide advice and facilitate access to business support services/funding support, e.g. DRFA-WA small business support
Department of Education (or Local School Representative)	Provide a representative to the LRCC (co-opted as required). Advice on issues affecting normal operation of schools, e.g. restrictions on student access or damage to school premises.
Local Health Services Provider (Department of Health or Local Health Officer)	Provide a representative to the LRCC. Advise on health, environmental health and medical issues arising from the emergency. Coordinate the local health components of the recovery process.
Department of Water & Environmental Regulation	Provide advice on environmental protection, clean up and waste management
Lord Mayor's Distress Relief Fund	Liaise with the LRCC to assess the requirement for public donations and if required initiate "Calls for Public Donations" in accordance with the State Policy on "Appeals and Donations during Emergencies". As required set up a local appeals committee in conjunction with the LRCC. Provide advice to the LRCC on criteria for, and assessment of, requests for financial assistance.

GOVERNMENT OF
WESTERN AUSTRALIA

"Reframing Rural Fire Management"

Report of the Special Inquiry into the January 2016 Waroona Fire

Volume 1: Report

Council Meeting

June 2022

Government Of
Western Australia

"REFRAMING RURAL FIRE MANAGEMENT"

REPORT OF THE SPECIAL INQUIRY

INTO THE

JANUARY 2016 WAROONA FIRE

Waroona Fire Special Inquiry

29 April 2016

Mr M C Wauchope
Commissioner
Public Sector Commission
Locked Bag 3002
WEST PERTH WA 6827

Dear Mr Wauchope,

SPECIAL INQUIRY INTO JANUARY 2016 WAROONA FIRE

I am pleased to submit the *Report of the Special Inquiry into the January 2016 Waroona Fire*. The Special Inquiry has been conducted in accordance with the provisions of the *Public Sector Management Act 1994* and the Terms of Reference.

The Special Inquiry started in early February, ran for 13 weeks and held formal hearings on 22 days. The Special Inquiry has evoked a significant response. One hundred and sixty five written submissions have been received. One hundred people appeared at formal hearings and five people gave evidence via telephone. We have met and interacted with 42 organisations and interest groups. My gratitude goes to all those who contributed their wisdom, knowledge and experience to this Special Inquiry.

The Special Inquiry team has worked diligently to inquire against the Terms of Reference and to analyse the matters presented in submissions and in formal hearings. The Special Inquiry has endeavoured to meet with and listen to all who registered an interest. Mindful of the timeframe, this has been a significant task.

The report of the Special Inquiry carries 17 'Recommendations for Strategic Change' and 23 'Agency Opportunities for Improvement'. It is my belief that, when actioned, these will reframe rural fire management in Western Australia for the benefit of the community.

I particularly acknowledge those who have been directly affected by the fire, and who, in a time of turmoil, gave of their time to tell us their story. Many were traumatised by the fire. Others were coming to terms with the loss of neighbours, stock, farm assets, homes, plantations and livelihoods. We spoke with firefighters, many of whom were seasoned and had vast experience. The depth of impact of this fire on them was evident from the look in their eyes, the emotion in their words and the pain in their hearts. I hope that this report reflects all these stories.

I also want to acknowledge the unfailing support that has been given by officers and the heads of many agencies including the Department of the Premier and Cabinet, the Department of Fire and Emergency Services and the Department of Parks and Wildlife. The Special Inquiry also gratefully acknowledges support provided by the Shires of Harvey and Waroona.

Finally, I extend my heartfelt thanks to the staff of the Special Inquiry. Each of them has made a lasting contribution. They are individually mentioned elsewhere in this report. Without their effort and judgement this Special Inquiry and its Report would not have been possible.

Thank you for the opportunity to contribute to the vision of a safer Western Australian community.

Yours sincerely



Euan Ferguson AFSM
Special Inquirer
Waroona Fire Special Inquiry

This report is dedicated to those affected by the Waroona fire. In particular:

to the memory of those whose lives were lost;

to those who have suffered injury and hurt that may be ongoing;

to those whose livelihoods have been destroyed or disrupted;

and

to those who did their best to fight the fire and protect the community during a time of adversity.

"Hope springs from adversity"

Acknowledgements

This Special Inquiry Report has been made possible through the dedication and hard work of a small team of very talented people drawn from a range of Western Australian Government departments. I acknowledge the assistance given by the following: the Department of the Premier and Cabinet through Ms Emma Clegg, Ms Bethany Couper, Mr Angus Duncan, Mr Frank Fiorillo, Ms Helen Gladstones, Ms Jean Perkins, and Ms Barbara Willinge; the Department of Planning through Ms Courtney Barron; the State Emergency Management Committee Secretariat through Ms Narelle Edmonds; and the State Solicitor's Office through Ms Fiona Seaward.

I particularly would like to thank Ms Courtney Barron who acted as the very capable Executive Officer for the Special Inquiry and who, with Ms Fiona Seaward, provided essential analysis and insightful contributions to the conduct of the Special Inquiry.

I thank the Shires of Waroona and Harvey, the City of Bunbury and the Department of Planning in Bunbury for allowing their premises to be used for formal hearings. Also, thanks to the Shires of Waroona and Harvey for the support they have given during the Special Inquiry.

I thank the Director of the State Emergency Management Committee Secretariat, the Fire and Emergency Services Commissioner and staff of the Department of Fire and Emergency Services for providing office, logistical and technical support.

I also thank the members of the Yarloop and Cookernup Bush Fire Brigades for meeting with me at a time when many were struggling to reconcile the consequences of this fire on their community and on themselves.

Finally, I thank those community members who have been affected by this fire and who came forward to share with me their story and identify lessons to be learned for the future. Your thoughts and proposals have foreshadowed a future rich in opportunity.

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Chapter Two – Prologue

In early January 2016 a major bushfire swept down from the parched Darling Escarpment and across the farms of the Swan Coastal Plain. The fire had a severe impact on the settlements of Waroona, Yarloop, Preston Beach and surrounding areas. For the many people affected, it will take time to adjust to the pain of loss and suffering. For some, there will be enduring, lifelong memories of hurt and loss.

This Special Inquiry has been established to respond to the Terms of Reference (refer to Appendix 1). The Terms of Reference refer to the "Waroona Fire", but the impact extends widely to a number of towns and communities, including the town of Yarloop, where two people lost their lives. One hundred and eighty one dwellings were destroyed. Every one of these was someone's home. Many businesses and livelihoods, including farm and forestry businesses, will take years to re-establish.

An important duty has been to read and listen to the stories and recollections of the members of these communities. There are many questions arising from the ashes of this disaster. Wherever possible, this Special Inquiry has endeavoured to answer those questions. But even four months after the event, some questions remain only partially answered.

It has been the objective of this Special Inquiry to seek to identify improvements to the systems of community safety and bushfire risk management in Western Australia. The recommendations and opportunities identified in this report are aimed at making Western Australia a safer place not just for the present, but far into the future. Some recommendations for strategic change will take time, possibly years, to establish and to reap the benefits.

The Special Inquiry has had the benefit of time and the luxury of hindsight. It has been informed by the views, experiences, and the collective knowledge and careful consideration of many wise advisers. I thank these contributors, some of whom have set a high bar of expectation.

Hindsight is a wonderful thing. But we must act with disciplined caution when exercising this hindsight. It must always be remembered that those who were key players in this fire emergency were not afforded such luxury. Many individuals, be they citizens or members of agencies or in community teams, worked in extreme and challenging conditions. Many were hot, hungry, dehydrated and sometimes sick with worry and exhaustion. Dangers were ever present. Fast decisions had to be made with information that was incomplete and sometimes conflicting. There were many unknowns. People made decisions. Assumptions changed. Best laid plans failed. Teams used their initiative and adjusted. Even the most straightforward of tasks became complex. Emergency and essential services worked to create order out of chaos. Everyone worked against time and the progression of the fire.

It would be easy to look at any shortcomings and be tempted to fall into the trap of finding fault and allocating blame. This must be resisted. In striving for excellence in bushfire emergency management, it must be recognised that there are many parts of the system: the fire, the weather, the terrain and the actions and reactions of people that are subject to sudden and unpredictable change. Under these conditions, much is unknown. Almost everything is shrouded by uncertainty. People make judgements and those judgements are not infallible. Errors can and do occur, despite the best intentions and best efforts of people.

Blame is a poor tool for strengthening resilience. Whilst blame is a natural reaction, it is a waste of energy. Wherever possible it has been the intent of this Special Inquiry to regard any shortcomings firstly as shortcomings in the systems of work for bushfire management. Everyone works within a system. If we want to improve the way that people operate within that system, then we must look to improving the system, rather than to first look to allocating blame on individuals. Good decisions come from wisdom, knowledge and experience. It is through a process of identifying then implementing lessons that systems can be improved and we can better equip people to make good decisions so that such large and destructive fires are dealt with properly, or better still, avoided. This is how we, and future generations, gain wisdom.

All of the people the Special Inquiry met with: citizens, landowners, farmers, business owners, personnel from agencies, essential services and from emergency services, were genuine in their commitment to do the best they could during this crisis. The Special Inquiry noted a strong urge from all the witnesses and submissions to understand the failings in the current systems of work, to learn from this tragic experience, and to change the future.

The Special Inquiry noted that there have been improvements in the systems of bushfire management in Western Australia over recent years. Many Bush Fire Brigade members spoke of the strengthening collaborative and cooperative relationship with the staff of the Department of Parks and Wildlife (P&W). New standards for the conduct of hazard reduction burning, introduced by the Office of Bushfire Risk Management, have been actively absorbed into the "business as usual" for P&W staff. P&W exhibited a strong commitment to hazard reduction and incident management.

There is a discernible renewed vitality and direction since the establishment of the Department of Fire and Emergency Services (DFES). Many witnesses attested to the high degree of confidence held in DFES' urban fire capability. That capability is seen as professional, and highly competent. There were many reports that the players – at every level – are making great efforts to work in a positive and collegiate manner. Whilst there remain a number of challenges in relation to the rural fire system, it is evident that DFES staff have taken great strides to increase their capability in rural fire.

This Special Inquiry has cast a spotlight on various aspects of the Waroona fire. Some decisions and actions, taken in fleeting seconds, have been subject to detailed analysis, comment and review. This analysis has highlighted deficiencies, not just in the firefighting operation, but also in the systems for managing bushfire in Western Australia. The system for managing rural fire has been variously described as, at best, "disjointed and disconnected"; at worst, "dysfunctional and broken".

Of particular concern were many reports that the current arrangements are failing the cornerstone of rural fire management in Western Australia: the Bush Fire Brigade volunteers.

It is my view that there exists a need to effect fundamental changes to the system of rural fire management in Western Australia. My conclusion, which has been very carefully considered, is that the current system for managing bushfire in Western Australia is failing citizens and the government.

This conclusion will be contentious. But it is supported by many submissions and the repeated observations that point to the need for systemic change.

Perhaps the most compelling support for fundamental change is the dramatic increase in the number and impact of damaging and costly bushfires over the last six years in Western Australia.

In a hotter and drier world, the future will be increasingly volatile, uncertain, complex and ambiguous. The bushfire problem will not diminish. Concerted and direct action needs to be taken to address the risk and vulnerability from bushfire now, and for the next 10 years and beyond. Without action, the stage is set for an escalation of bushfire risk and the consequences thereof.

Emergency service organisations can only do so much in times of disaster. The consequences of a major bushfire on a community may be mitigated by the community's appreciation of, and ability to act on, their own risk. This reinforces the philosophy of "shared responsibility" that has been identified by previous Inquiries. During this Special Inquiry there were countless examples of individuals and neighbours who successfully fought the fire and then supported each other to recover after it. More troubling were frequent accounts of well intentioned and capable community members who were thwarted from protecting their own properties and their neighbours' properties by a system that was inflexible, impractical and, in some instances, defied common sense and ran counter to the principle of "shared responsibility".

There is a compelling argument that the State needs to readjust expenditure away from fire response and recovery, towards a greater investment in prevention and fuel hazard management. This includes investing more in the education, resilience and readiness of local communities and individual citizens. Many of the recommendations of this Special Inquiry set the background to enable this shift in focus. There will be a need to maintain this momentum into the future. If such change does not occur, then the prospect of a future catastrophic bushfire event becomes increasingly likely.

This report must be a catalyst for change. Should there be no change, then this Special Inquiry will have failed. The Special Inquiry has made 17 'Recommendations for Strategic Change'. These are intended to reframe whole of government policies and structures for managing rural fire in Western Australia and for bushfire risk management into the future. There are also 23 'Agency Opportunities for Improvement' that, whilst being of a smaller scale, are crucial in order that agencies, individually and collectively, improve capacity and capability so that they are ready for the future.

Acting on these recommendations sets the stage for a landscape that is resilient to fire, a community that is informed and adapted to their bushfire risk and emergency managers who are skilled and ready to serve. I believe that the seeds of change sown by this Special Inquiry will lead to a safer Western Australian community.

Euan Ferguson AFSM
Special Inquirer
Waroona Fire Special Inquiry

Chapter Three - Executive Summary and Recommendations

Executive Summary

Context

Previous Inquiry Recommendations not yet all completed

Since 2007 there have been a number of significant fires in WA. These have resulted in a number of reports (including two independent inquiries). These reports have made a large number of recommendations. Good progress has been made implementing many of these recommendations. However, the analysis of evidence provided by agencies supports the view that, even though many actions have been deemed as "completed", the intent established by some of the recommendations has yet to be achieved. For some recommendations, the definition of success, or completion, may be open to different interpretation.

Prior to the fire – a dry winter, temperatures warmest on record at Dwellingup

The Bureau of Meteorology (BoM) report that rainfall was very much below average in the South West of WA in 2015.

BoM report that rainfall totals were in the lowest 10% of records in areas west of a line from Jurien Bay to Wagin to Albany. This below average rainfall in 2015 is consistent with a trend of declining annual rainfall that has been observed over the last 40 years (Appendix 6).

2015 was also a very warm year. Dwellingup experienced its warmest year in 75 years of records.

As a result, forest fuels were significantly drier than average for that time of year. This was a continuation of the trend of the last five years, where fuels have been the driest or very close to the driest over the last 23 years.

Fuel reduction targets on public land not met in previous 12 years

P&W has a hazard reduction burning policy that recognises three Land Management Zones for burning. Land Management Zones A and B target asset protection objectives. Land Management Zone C targets broad scale landscape burns.

For a range of reasons, the annual burning targets in every zone, in almost every year, have not been met.

Recent new funding to build P&W capability

P&W express a total public land landscape target (for the South West) of having 45 percent of the landscape below six years in fuel age.

In 2015, P&W received additional funding from the State Government's Royalties for Regions program of $20 million over four years. The intent of this additional funding is to improve the P&W capability for conducting hazard reduction burning.

Since the Margaret River burn escape in November 2011, it is evident that P&W has effected much change in its hazard reduction burn prescriptions and process. It would be wrong not to

acknowledge the improvements made in this area. The commitment to hazard reduction burning was also evident from interactions with P&W staff.

However, there is a significant backlog of planned burns arising from the moratorium on burning that was invoked immediately after that burn escape.

P&W need to continually focus on maintaining hazard reduction and fire management as the highest priority. Should hazard reduction targets not be met into the future, there will be more out of scale bushfires. This will have adverse impacts on biodiversity, forest health as well as community impacts.

Bauxite mining operations on State Forest restricted planned burns and created difficult access for firefighters

Substantial areas of the State Forest in this part of the escarpment are subject to bauxite mining operations. In this area, hazard reduction burning is severely limited by the vulnerability of young vegetation regrowth to fire. The terrain is also very difficult, even for heavy earthmoving machinery. Contoured rip lines (constructed to aid revegetation), mine pits, haul roads, conveyors and power easements all contributed to slow and difficult access in the mining lease area.

Numerous blocks of forest to east of Yarloop also presented a hazard

Immediately to the east of Yarloop are a number of blocks of (then) long unburnt forest. The blocks have a mix of tenures including the State and local governments and community organisations. Only a small block managed by P&W had been subjected to any recent burning (May 2015). Shire of Harvey public reserves in and around Yarloop were mown about every two to three weeks and firebreaks were maintained annually. With a fire bearing down from the east from the Darling Scarp, these forest blocks became a source of embers and spot fires.

The "Waroona Main Drain" acted as a "fire fuse" to the west

On the Swan Coastal Plain there were significant areas of heavy fuels, scrub and trees associated with irrigation, drainage and plantations. Well established firebreaks were in place around the McLarty pine plantation, but the broad scale of the fire meant it swept across these. On the Waroona Main Drain there was minimal fire prevention work carried out. The continuous nature of these fuels resulted in a long "fire fuse" where severe fire behaviour meant suppression was very difficult.

The Fire

Two fires (Fire 68 and Fire 69) were started by lightning in State Forest south of Dwellingup on the evening of Tuesday, 5 January 2016. There was a concerted initial response to control the fires from the ground and from the air by P&W crews from Dwellingup.

There were initial safety concerns for crews trying to access one of the fires (Fire 68) that they might be overrun by Fire 69 to the east. This delayed initial control efforts on Fire 68.

By late morning, Fire 68 was well established and had jumped the Murray River. Crews were having difficulty fighting the fire due to fire behaviour, heavy forest fuels and steep rocky terrain.

The fire burned through parts of the long unburnt Lane Poole Reserve, then through the surrounding State Forest on the Darling Scarp. This area is subject to bauxite mining by Alcoa. This landscape presented obstacles for firefighters due to mining infrastructure (quarry pits, haul roads, conveyors, powerlines) and the presence of significant areas of recently rehabilitated forest.

The unchecked progression of the fire through long unburnt forest and the heavy fuels of the rehabilitated forest resulted in severe fire behaviour and the development of the pyro-cumulonimbus cloud.

Incident management was initially from P&W at Mundaring. At around 1700 hours, the Incident Management Team (IMT) resolved to upgrade the fire to a Level 3 Incident, and to operate from the Orion mine site the following day. During the late afternoon the fire behaviour increased and the plan changed to establish the IMT at Waroona.

At dusk the rate of spread and fire behaviour increased. At 2100 hours, a Watch and Act warning was issued for "Lane Poole Reserve, Alcoa mine site, and adjacent private properties in the Shire of Waroona".

During the evening new fires started on the eastern side of Waroona. It is almost certain that these fires were started from lightning induced by the pyro-cumulonimbus cloud over the fire. These fires burned from the escarpment onto the Swan Coastal Plain. They threatened Waroona and Hamel on Wednesday evening. Resources from Fire and Rescue Brigades and Bush Fire Brigades worked to successfully protect Waroona and Hamel.

The fire then spread west of Waroona on the coastal plain. Suppression was hindered as intense fire burned along heavy fuels of the Waroona Main Drain and roadside vegetation.

At 2225 hours an Emergency Warning was issued for "Waroona townsite, Alcoa minesite and adjacent private properties in Shire of Waroona". The warning specified an area bounded by: "Willowdale Road, Johnston Road, Somers Road, Coronation Road and Nanga Brook Road including Waroona townsite". This warning was progressively updated through the night.

On Thursday morning, incident control transferred from Mundaring to Waroona. The IMT members coming in to the Waroona Incident Control Centre were delayed due to Vehicle Control Points and the active fire south of Waroona. This resulted in shift handover briefings between the outgoing and the incoming IMTs mainly being done over the telephone.

During Thursday the IMT was established, but it was in catch up mode.

In the afternoon, local resources focused on the north of Yarloop, P&W crews worked to the east of the South Western Highway and DFES worked west of the Highway, focussing on the western side of the fire.

At 1210 hours an Emergency Warning was issued for "Waroona and Harvey and surrounding areas, including Preston Beach, in the Shires of Harvey and Waroona".

In the late afternoon there was no town water in Yarloop.

In the evening, between 1900 and 2000 hours, easterly winds increased dramatically and without warning. The fire east of the South Western Highway made a run in a south westerly direction.

From approximately 1930 hours to 2000 hours, the fire entered Yarloop from the east. There was massive ember attack. Many houses ignited simultaneously. Firefighters and the small number of residents who remained were overwhelmed. There were 11 Fire and Rescue and Bush Fire Brigade firefighting vehicles and eight P&W tankers in and around Yarloop at this time. Some Yarloop residents sought refuge in their cars on the oval at Yarloop. Some firefighting appliances assisted residents sheltering there.

Tragically, during this period, two residents of Yarloop lost their lives.

At 1935 hours the first Emergency Warning that explicitly mentions Wagerup, Yarloop and Cookernup was issued.

To the west, the fire crossed the Forrest Highway and subsequently cut off Preston Beach. Led by local residents and a number of Bush Fire Brigades, people took shelter at the carpark adjacent to the beach. During the ensuing hours, Volunteer Marine Rescue activated boats to take residents off the beach and evacuate them to Bunbury.

Vehicle Control Points were established around the expanded fire area.

Over the next 10 days, firefighting operations continued to establish control lines around the fire perimeter and to extinguish hotspots. Western Power, Main Roads and the Shires of Waroona and Harvey initiated recovery actions.

Interstate crews were received from New South Wales to assist with fire operations.

Over the course of the fire there emerged widespread dissatisfaction with traffic management. There were many reports of an inflexible approach being used at Vehicle Control Points.

A detailed description of the fire is found at Chapter 6. Further detail is found at Appendices 4, 5 and 6.

Summary of Losses and Damage

Tragically, during the fire, two residents of Yarloop lost their lives. The fire burned a total area of 69,165 hectares comprising 31,180 hectares of private property and 37,985 hectares of public land. One hundred and eighty one properties were destroyed. At time of writing, it is estimated that the cost of the fire, including the costs of suppression, losses, damage and recovery (including estimated insurance losses) totals approximately $155 million. More detail can be found at Chapter 6.

Strategic Recommendations and Opportunities for Improvement

In this report, recommendations are made in two contexts. First, 17 ‘Recommendations for Strategic Change’ are made. These are larger and more strategic proposals that will require whole of government attention.

Secondly, and supporting the above, 23 'Agency Opportunities for Improvement' have been identified. These are actions that require the attention of one or more agencies either individually or collectively. In the main, these should be able to be undertaken by relevant agencies with changes of policy or by a redirection of internal resources

Recommendations and opportunities are listed numerically, by chapter subject, in the order that they appear in the body of the report.

Lessons Learned From Previous Bushfire Emergencies

Recommendation 1: The State Government to explore options for streamlining the functions and the independence of the State Emergency Management Committee Secretariat and the Office of Bushfire Risk Management with a view to including an inspectorate function, and appointing a person who is dedicated to that role. The purpose is to provide assurance and reporting, and to inquire into, monitor and report transparently on emergency management standards, preparedness, capability, service delivery and investment performance outcomes. Within two years of the establishment of this arrangement the State Government to review and assess whether it is meeting the desired outcomes.

The Fire

Opportunity 1: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to engage with the Bureau of Meteorology and the Bushfire and Natural Hazards Cooperative Research Centre to investigate the prediction of cloud to ground lightning occurrences.

Opportunity 2: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to engage with the Bureau of Meteorology and the Bushfire and Natural Hazards Cooperative Research Centre to investigate the causes of and effects of pyro-cumulus weather occurrences on bushfire behaviour.

Fuel Management and Fire Prevention

Recommendation 2: The Department of Parks and Wildlife to plan for the highest priority hazard reduction burning effort around settlements and critical assets in the South West and Perth Hills. The annual objective is to treat a total of 60,000 hectares of priority hazard reduction per annum, comprising 20,000 hectares per annum of Land Management Zone A and 40,000 hectares per year of Land Management Zone B.

Recommendation 3: The Department of Parks and Wildlife to continue emphasis on landscape hazard reduction burning with the annual objective of treating 140,000 hectares per annum in Land Management Zone C. In combination with Recommendation 2 (above) the strategic objective will be that a fuel age of less than six years will be maintained across 45% of the landscape on State Forest, National Parks and other Parks and Wildlife managed lands in the South West and Perth Hills. This will address the current backlog (created from under achievements of the recent two decades of burn programs) by the end of the 2020-2021 burning season (i.e. within the next 5 years).

Recommendation 4: The Departments of Parks and Wildlife and Fire and Emergency Services to develop options for the expansion of the 'Bushfire Mitigation Grant Scheme'

utilising both State and Commonwealth Government funding to enable the implementation of hazard reduction works identified through the Bushfire Risk Management Planning process. This will target hazard reduction projects on land owned by private landholders in rural-urban interface areas, critical infrastructure protection, local government land, roadsides and land managed by utilities.

Recommendation 5: The Department of Fire and Emergency Services, utilising the Office of Bushfire Risk Management, to develop a simplified and fast track hazard reduction burn (and other fuel mitigation techniques) planning and approval process to ensure the timely conduct of township and asset protection burns by Bush Fire Brigades and individual property owners. The process is to be agile and adaptable for the range of stakeholders which may participate in low risk, small scale, low complexity burn planning and approvals.

Opportunity 3: The Department of Parks and Wildlife and the Forest Products Commission to explore policy options for mechanical thinning of forest, including mining rehabilitation forest, for the purpose of bushfire mitigation.

Opportunity 4: The Department of Fire and Emergency Services, in collaboration with the Departments of Planning, Parks and Wildlife, Environment Regulation and Water, to lead consideration of developing guidance to landholders with respect to bushfire 'fuse breaks' along lineal fuels such as roadsides and irrigation drainage channels.

Incident Management

Recommendation 6: The State Emergency Management Committee to adopt, across all hazards, the doctrine of:

- the primacy of life;
- the 'Strategic Control Priorities' (as documented by the Department of Fire and Emergency Services); and
- community warnings that are timely, tailored and relevant.

Agencies will reinforce amongst emergency management personnel the importance of this doctrine through briefings and intent statements.

Recommendation 7: The State Government to establish an arrangement to develop a 'network' of Western Australian State Government agency personnel who can be called upon for bushfire and emergency incident management capability within Western Australia. The arrangement will be led by the State Emergency Management Committee and modelled on systems used by the Department of Parks and Wildlife.

Recommendation 8: The Departments of Parks and Wildlife and Fire and Emergency Services to adopt the policy that all bushfire Level 3 Incident Management Teams in the Perth Hills and the South West will be integrated and pre-formed from the start of the 2016/17 fire season with substantial involvement of both the Departments of Parks and Wildlife and Fire and Emergency Services personnel on all teams.

Opportunity 5: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to investigate options for improving aerial and satellite based bushfire intelligence gathering. In particular, to investigate the provision of Infra-Red Linescan capability.

Opportunity 6: The Departments of Fire and Emergency Services and Parks and Wildlife, in conjunction with the Australasian Fire & Emergency Service Authorities Council, to explore the development of a standardised approach and content for an 'initial (4 hour)' Incident Action Plan.

Opportunity 7: The Departments of Fire and Emergency Services and Parks and Wildlife to assess the merits and disadvantages of Incident Controller and Incident Management Team work cycle extending over a 24 hour period (but still allowing for individual rest times in line with fatigue policy).

Resource Efficiency

Recommendation 9: The State Emergency Management Committee, in consultation with Western Australian Farmers Federation, the Association of Bush Fire Brigades, the Contractors Association of WA, and the Forest Industries Federation of WA, to establish systems for the voluntary registration of:

- farmer firefighting units;
- contractor firefighting resources; and
- forestry industry brigades.

The purpose of the arrangement is to facilitate the safe, efficient and effective recognition, organisation, deployment, management and coordination of farmer, contractor and forestry firefighter resources.

The systems would include a process for enabling access through traffic management points during bushfires. Progress towards establishing these systems is to be reported by State Emergency Management Committee in its annual preparedness report.

Recommendation 10: The Departments of Fire and Emergency Services and Parks and Wildlife to investigate and adopt an emergency services resource management system that will enable the registration, tasking, tracking, management and coordination of emergency management personnel, vehicles, plant and aircraft.

Opportunity 8: The Department of Fire and Emergency Services to review the policy of dispatching task force resources from Perth metropolitan and regional urban locations to bushfires to ensure that only vehicles that are fit for purpose and appropriate to the task are deployed.

Information, Alerts and Warnings

Recommendation 11: The Department of Fire and Emergency Services to investigate and adopt a system that will allow the public to opt in, monitor and receive, through a 'push mechanism', bushfire and other emergency warnings, maps and information using a wide variety of devices including personal hand held smart devices.

Opportunity 9: The State Emergency Management Committee to develop policy guidance for local governments regarding the installation of bushfire and emergency community warning sirens in 'at risk' communities.

Evacuation and Shelter Issues

Recommendation 12: The Department of Fire and Emergency Services to work with the Department of Planning and Local Governments to adopt a policy which enables Local Governments to identify, register and communicate, 'Places of Bushfire Last Resort' in settlements and townsites where the life risk from bushfire is very high or greater.

Opportunity 10: The Department of Fire and Emergency Services to lead, in collaboration with the Department of Planning and the Building Commission, the development of a policy and guidance to landholders on a range of bushfire shelter options, including household bushfire refuges and community bushfire refuges.

Opportunity 11: The Departments of Fire and Emergency Services, Planning, and Environment Regulation to consider policy options with respect to the clearing of vegetation by landholders within a specified distance of an asset or dwelling, for the purposes of bushfire protection.

Traffic Management

Recommendation 13: The Department of Fire and Emergency Services to issue a photo identification card to DFES members, members of Bush Fire Brigades, volunteer emergency services, Incident Management Teams, forestry industry brigade members and Networked Government Emergency Agency members. DFES also to consider temporary windscreen signage to identify vehicles carrying such personnel.

Recommendation 14: The State Emergency Management Committee to review the policy for traffic management at emergency incidents so it reflects national 'best practice'. This includes the production and issuing of an aide-memoire to guide traffic management, emergency and incident management personnel.

The policy should provide a practical balance between risk to life and the public value of enabling the timely restoration of livelihoods and the movement of critical resources, (including essential services, critical businesses and livestock welfare services), through traffic management points.

The review will involve a range of stakeholders including the Departments of Fire and Emergency Services, Parks and Wildlife, Agriculture and Food WA; Main Roads WA, WA Police, WA Farmers Federation, WA Local Government Association, Forest Industries Federation, and the Transport Industry and ensure that the views of the community are considered.

Transition to Recovery

Opportunity 12: The Department of Fire and Emergency Services to engage with the WA Local Government Association to explore opportunities for Local Government personnel to be included in the make-up of Rapid Impact Assessment Teams.

Opportunity 13: The State Emergency Management Committee to develop an aide-memoire for Incident Controllers to guide the initial recovery considerations during an incident. The aide-memoire to include: triggers for the initiation of rapid impact assessment and the

escalation of the recovery function; and immediate and likely future community health, welfare and safety considerations. These triggers will inform the Incident Controllers when considering the discretionary appointment of 'Deputy Incident Controller, Recovery' during an incident that impacts on the community. The role of the 'Deputy Incident Controller, Recovery' would be (with the Incident Controller) to consider the initiation of the recovery process and to manage the transition from incident response to the recovery phase.

Rural Fire Capability:

Recommendation 15: The State Government to create a Rural Fire Service to enhance the capability for rural fire management and bushfire risk management at a State, regional and local level. The proposed Rural Fire Service will:

- be established as a separate entity from the Department of Fire and Emergency Services or, alternatively, be established as a sub-department of the Department of Fire and Emergency Services;
- have an independent budget;
- be able to employ staff;
- have a leadership structure which, to the greatest degree possible, is regionally based and runs the entity;
- be led by a Chief Officer who reports to the responsible Minister on policy and administrative matters; and to the Commissioner for Fire and Emergency Services during operational and emergency response;
- have responsibilities and powers relating to bushfire prevention, preparedness and response; and
- operate collaboratively with the Department of Fire and Emergency Services, the Department of Parks and Wildlife, Local Government and volunteer Bush Fire Brigades.

In creating the Rural Fire Service, the State Government to consider whether back office and corporate support services could be effectively provided by an existing Department, such as the Department of Fire and Emergency Services or the Department of Parks and Wildlife.

The State Government to review the creation of the Rural Fire Service two years after its establishment, to assess whether its structure and operations are achieving the intended outcome.

Recommendation 16: The State Emergency Management Committee to establish a State Bushfire Coordinating Committee as a sub-committee of SEMC. The State Bushfire Coordinating Committee will be chaired by the Director of the Office of Bushfire Risk Management and will have the primary responsibility to:

- develop a State Bushfire Management Policy and a set of long term bushfire risk management objectives;
- provide a forum for key bushfire risk management stakeholder agencies;
- advise the SEMC on matters pertaining to bushfire, in particular, to report against the investment in, and achievement of the bushfire risk management objectives;
- provide advice and support to the proposed Chief Officer of the Rural Fire Service on bushfire risk management matters; and
- report to SEMC and to the community on bushfire risk management matters on at least an annual basis.

Recommendation 17: The Department of the Premier and Cabinet to conduct an independent review of the current arrangement for the management and distribution of the Emergency Services Levy. The review will have the specific purpose of:

- seeking input from key entities including the Departments of Treasury, Finance, Fire and Emergency Services, Lands, and Parks and Wildlife, WA Local Government Association, and the Office of Bushfire Risk Management.
- ensuring the arrangement has the flexibility and agility to deal with emerging bushfire risk priorities.
- establishing a budget process that enables a shift in investment towards prevention, mitigation and building community resilience and capability.

Opportunity 14: The Department of Fire and Emergency Services training for Fire and Rescue career staff (at LFF and S/O training courses) to include enhanced training in natural hazard incident management; hazard reduction burning; rural and forest fire behaviour and the Department of Parks and Wildlife use of fire as a management tool.

Opportunity 15: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to agree on minimum targets for volunteer participation as Sector Commanders, and in Incident Management Team positions and develop strategies to meet those targets.

Opportunity 16: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service) and the Volunteer Associations to develop fatigue management guidelines for emergency service volunteers.

Opportunity 17: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service) to measure and report annually on the volunteer fire and emergency service worker contribution.

Opportunity 18: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service) in consultation with the Association of Bush Fire Brigade Volunteers, to review the policy for disposal of 'retired' firefighting vehicles to first make disposed vehicles available to landowners who are sponsored by the local Brigade. Such vehicles to be subject to a limited decommissioning process.

Opportunity 19: The Department of Parks and Wildlife, in consultation with their workforce and the Community and Public Sector Union (CPSU) and the Australian Workers Union (AWU), to carry out a workforce workload analysis of its fire program (covered by both the CPSU and the AWU workforce). The analysis to have a particular emphasis on the management of workload and fatigue in employees involved in the fire program.

Opportunity 20: The Department of Fire and Emergency Services to investigate, with the United Firefighters Union, an 'emergency roster' arrangement that enables the temporary adoption of extended firefighter shift arrangements to enable more career firefighters to be made available for duty during significant emergencies.

Opportunity 21: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service) to implement (and act on) a volunteer emergency service worker consultation framework to promote effective and meaningful ongoing consultation with fire

and emergency services volunteers on matters that affect volunteer systems of work, equipment and health, welfare and safety.

Opportunity 22: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service), in consultation with relevant stakeholders including the Public Sector Commission and the Volunteer Associations, to conduct (and act on) an annual culture survey amongst paid and career staff and volunteer emergency service workers.

Opportunity 23: When established, the Rural Fire Service, in conjunction with the Departments of Parks and Wildlife and Fire and Emergency Services, to establish a Western Australian Centre for Excellence in Rural and Forest Fire Management. The Centre to include a networked capability for research, planned burning, lessons learned and facilitating training for rural firefighters, especially for members of volunteer Brigades.

Chapter Four– Compelling Questions and Findings

Soon after the fire the members of the affected and broader community started asking questions. Many of these questions were echoed by written submissions and in oral evidence. These questions, and my best attempt at seeking out, and explaining, the answers, follow.

Further, on a number of matters I have chosen to make specific findings. These findings are made on the basis of the facts available to me and, where appropriate, on the basis of my judgement.

1. What was the time between ignition and detection of the fire?

Answer: *Lightning activity was recorded by BoM on the evening of Tuesday 5 January 2016 between 1800 hours and 2000 hours. It is likely that Fires 68 and 69 were ignited some time in this time frame.*

The fire was detected by a P&W officer who was checking the Sentinel Hotspots website (Landgate/Geoscience Australia) from his home at 0630 hours on Wednesday 6 January 2016.

FINDING: The fires known as Perth Hills Fire 68 and 69 were started by lightning in State Forest known as the Lane Poole Reserve after dark on Tuesday 5 January 2016 at an undetermined time.

2. Who reported the fire?

Answer: *The fire was detected by a P&W officer who was checking the Sentinel Hotspots website (Landgate/Geoscience Australia) from his home at 0630 hours on Wednesday 6 January 2016. He contacted the P&W Regional Duty Officer who initiated initial attack resources.*

3. What was the elapsed time between detection and first attack?

Answer: *As it was a Wednesday (work day), many P&W employees were already on their way to work. The Regional Duty Officer notified a field based P&W officer, and by 0703 hours the Field Officer was en route to the fire. He arrived in the fire area around 0830 hours. Concurrently, P&W staff were being notified and resources were en route.*

4. **What was the initial weight of attack on the fire?**

Answer: *The initial attack focussed on Fire 69 first, due to concerns that the direction of spread of Fire 69 might threaten crews that otherwise might have been deployed to Fire 68. The initial attack resources included:*

- *4 x fire tankers from Dwellingup;*
- *4 x fire tankers from Jarrahdale;*
- *2 x D6 bulldozers;*
- *2 x front end loaders; and*
- *1 x spotter aircraft.*

5. When were aircraft deployed to the fire?

Answer: *A P&W spotter aircraft detection flight had been arranged the previous evening for a routine 0700 hours flight. This aircraft was airborne at 0658 hours and reported smoke as it approached the escarpment. This aircraft then provided accurate locations for Fires 68 and 69.*

At 0726 hours P&W requested the State Operations Air Desk to provide air support from firebombing aircraft. Over the next 90 minutes the following aircraft were dispatched to both fires from Bunbury and Jandakot:

- *4 x fixed wing Single Engine Air Tankers;*
- *7 x rotary wing Helitaks; and*
- *1 x rotary wing Aircrane.*

6. When was heavy plant deployed to the fire?

Answer: *Heavy plant was part of the initial attack response. The first Nash contractor dozer arrived on the fire at 0935 hours. The second Nash contractor dozer arrived at 1015 hours.*

7. Were there fire spread predictions carried out (eg: "Aurora" or "Phoenix" predictions)?

Answer: *The IMT used Project Vesta predictions to estimate the fire progression. During the daytime on Wednesday 6 January, fire behaviour and progression were reasonably in accordance with those forecast by the Vesta tables.*

8. Did P&W ask for help quickly enough?

Answer: *There was a concerted initial attack mounted on Fire 69. By 0730 hours (one hour after detection) the following resources were on scene or en route to the fires:*

- *15 firefighters;*
- *8 tankers; and*
- *4 heavy plant.*

By 0946 hours there were 27 firefighters from P&W at the fires or en route. This does not include the contractor personnel associated with heavy plant that had been activated (approximately eight additional personnel), and does not include aviation resources.

When the fire crossed the Murray River there was a reassessment of the plan and more resources were requested. At this stage the intensity of the fire and its rapid rate of spread, combined with the heavy fuels and difficult terrain, meant that the fire was uncontrollable until either it burnt into lighter fuels, or there was a significant change in the weather.

It should be acknowledged that P&W staff were also creating a reserve of resources in case of more lightning fires showing up during the day.

During the initial response, at 0804 hours, the Incident Controller (IC) arranged for the DFES Communications Centre to be advised of the fire.

The IC, in evidence to the Special Inquiry, stated that: "There was a discussion later in the morning about whether or not we utilised brigade assistance, and, in fact, there were several discussions about it".

Due to the steepness of the terrain and the fact that the bulldozers were encountering difficulty creating access for fire trucks; and that a number of (at least eight) tankers (and water carts) were at the fire area, it was resolved that there was no requirement for Bush Fire Brigade resources at that time.

9. Why did the fire get so big so fast?

Answer: *There were two initial lightning fires in close proximity. The fires were discovered by a P&W officer from the Sentinel Hotspots web site at 0630 hours on Wednesday 6 January 2016. The subsequent initial response by P&W was timely and concerted. The P&W Field Officer assessed that there was a risk that the most south east of the two fires (Fire 69) had the potential to overrun crews if they were deployed to the fire to the north west (Fire 68). Thus, allowing for safety, there was a delay in crews and heavy plant commencing work on Fire 68. Fire 69 was contained at 1143 hours. The initial attack was also hampered by slow access and steep and rocky terrain on the fall into the Murray River. This slowed the rate of control line construction.*

Further, the very dry winter and spring had resulted in extremely dry forest fuels. This contributed to fire behaviour that was greater than expected, particularly in the evening and overnight on the Wednesday night. Moderate easterly winds pushed Fire 68 down to, and ultimately across, the Murray River. Once the fire crossed the Murray River, it spread rapidly up slope into long unburnt forest fuels and the fragmented rehabilitation forest of the Alcoa mining and rehabilitation area. Access through much of the mining lease was made very difficult because of mine extraction roads, conveyors, power easements and thick pockets of heavy vegetation regeneration.

FINDING: The timing, weight of attack and strategies employed on the initial fire attack on Fires 68 and 69 were reasonable.

FINDING: Rainfall in South West Western Australia was very much below average in 2015. From May to October 2015, the Waroona region recorded rainfall in the lowest 10% of records. In 2015 Dwellingup recorded its warmest year of day-time maximum temperatures in its 75 years of records. Bureau of Meteorology measures of the dryness of heavy forest fuels indicated that forest fuels were significantly drier than the five year average. The dry condition of forest fuels contributed to the difficulty of suppressing and extinguishing the fire.

FINDING: The Incident Management Team decided to delay initial suppression actions on Fire 68 due to concerns that Fire 69, should it not be controlled quickly, might overrun crews that would otherwise have been deployed on Fire 68. Given the likelihood and consequences of the safety risks that this scenario presented, this was an appropriate decision.

FINDING: From about 1030 hours on 6 January 2016, the ability to control Fire 68 was hampered by:

- difficult access;
- very dry fuels;
- heavy forest fuels;
- the intensity of the fire;
- steep and rocky terrain; and
- the delay caused by safety risks presented by Fire 69.

FINDING: After it crossed the Murray River, the ability to control Fire 68 was hampered by terrain, heavy forest fuels and difficult ground access in the State Forest, including the area known as the Alcoa Mining Lease.

10. Why weren't fuels in the Alcoa mining lease area reduced?

Answer: *There are complex issues in relation to the rehabilitation of bauxite mined areas. Rehabilitation areas under five years old do not have sufficient fuel to carry a low intensity fire. Regenerating trees do not reach seed "maturity" until about 25 years old. This means that, up to 25 years old, the eucalypts do not carry viable seed sources. If rehabilitation less than 25 years old is burnt, then there will be a total kill of trees.*

In addition, during rehabilitation, bulldozers prepare ground for seeding by ripping contour lines. The result is a very uneven terrain that is extremely difficult to walk over and requires experienced bulldozer operators to navigate fire control line.

The issue of fuel reduction on the Alcoa mining lease area is further discussed in this report.

11. Was the transfer of control to a Level 3 IMT early enough?

Answer: *The fire was declared a Level 3 Incident at 2215 hours on 6 January 2016. At that time a Level 3 IC assumed control of the fire from the Level 2 IC. With the benefit of hindsight, the decision to activate a Level 3 IMT could have been made earlier. The fire crossing the Murray River was a signal that the fire was likely to develop into a campaign (and therefore a Level 3) fire. Other cues that the fire might develop into a Level 3 fire were that:*

- *the head fire was unable to be controlled;*
- *forest fuels were drier than average;*
- *access was hampered by steep rocky terrain;*
- *the fire was burning into State Forest where Alcoa bauxite mining operations hampered access and suppression; and*
- *a pyro-cumulonimbus cloud had formed over the fire.*

This needs to be considered in the context that the fire behaviour and the rate of spread from dusk and overnight were greater than forecast by fire behaviour models.

The transfer of control to the incoming Level 3 IMT was further compounded by transport obstacles faced by the incoming IMT early the next morning. On Thursday morning the following transitions occurred concurrently:

- *Transfer of control from the Mundaring P&W ICC to the Waroona Incident Control Centre (ICC);*
- *Portable ICC buildings established on the Waroona Oval;*
- *New incoming IMT;*
- *Normal shift changeover (night shift to day shift).*

FINDING: There were a number of cues that the fire had the potential to be declared a Level 3 Incident. Despite these cues, the potential for a Level 3 fire was not recognised until after 1530 hours on Wednesday 6 January 2016.

FINDING: There were a number of delays and setbacks to the Incident Management Team who were incoming to Waroona on Thursday 7 January 2016. These delays and setbacks were largely outside their control and affected the ability of the Incident Controller to establish the strategy for most of the day.

12. Why were some people not warned?

Answer: *Many warnings were issued during the fire. The majority were timely and accurate. However, during the first two days of the fire a number of warnings were neither timely nor accurate. These included:*

- *warnings around Waroona on the evening of Wednesday 6 January 2016; and*
- *warnings around Yarloop and Cookernup on the evening of Thursday 7 January2016.*

In relation to Waroona, the IMT had estimated that the fire was moving at a rate of spread of between one to two kilometres per hour. If not controlled, this would not result in impact on the town of Waroona for a further six to12 hours. The actual fire behaviour supported these predictions. As at 1900 hours, the IMT understood that the fire was approximately 13 kilometres from the town of Waroona.

Investigations after the bushfire have been unable to conclusively account for the fast spread of the bushfire to Waroona on the evening of 6 January 2016. However, the origin of the fires that threatened the township of Waroona on the evening of the 6 January 2016 are more likely to have been from cloud to ground lightning from a fire induced cloud over the fire (as opposed to have been from either the main fire of Fire 68 or spotfires emanating from Fire 68). This conclusion is reached based on reports from two eyewitnesses who saw a lightning strike originating from the pyro-cumulonimbus cloud that had developed over the fire. These eyewitnesses saw the lightning start new fires.

The Special Inquiry is satisfied that members of the IMT appropriately considered all available information when preparing and issuing community alerts and warnings on 6 January 2016. The Special Inquiry is satisfied that it was the sudden occurrence of a separate fire near Waroona which resulted in the lack of an emergency warning alert being issued to people in Waroona prior to the fire reaching Waroona.

In relation to Yarloop, the incoming IMT personnel on 7 January 2016 were faced with a number of setbacks, and were in catch-up mode for most of the day on 7 January 2016, their first day at the fire.

At 1253 hours the IC participated in a pre-recorded interview with ABC radio in which he referred to the fire bearing down on the townships of Yarloop, Cookernup and Harvey. Unfortunately this recording never went to air.

Leading up to the fire burning through Yarloop, there had been extensive Emergency Warnings issued for areas to the east and north east of Yarloop. These Emergency Warnings included a part of Yarloop, north of Johnston Road. These took the form of warnings on the P&W and DFES web sites, warnings on local radio and a number of telephone Emergency Alerts. These warnings specifically mentioned Waroona, Harvey and surrounding areas.

It was not until 1935 hours that an Emergency Warning specifically naming Yarloop and Cookernup was issued. There was no telephone Emergency Alert issued for Yarloop or Cookernup on 7 January 2016. There was no organised "house by house" advice to leave.

It is most likely that the lack of access to an updated map by the staff in the DFES Public Information Section contributed to the lack of appreciation of the impending risk to residents of Yarloop and Cookernup.

The 'Spot Weather Forecast', issued by the Bureau of Meteorology at 1459 hours on Thursday 7 January 2016 for the Waroona fire area, forecast an 1800 hours temperature of 34 degrees, a relative humidity of 23 percent and 1800 hours winds (at 10 metres) as: 'ENE 15-25 km/h'. Under the heading 'Significant wind changes and uncertainties associated with the forecast' the Spot Weather Forecast states: 'Variable gusts to 90 km/h possible with thunderstorms'. The Forecast also states: 'Winds are forecast to tend to E/NE'ly and fresh gusty again overnight'. The Spot Weather Forecast indicated ENE winds increasing to 40 kilometres per hour, gusting to 60 kilometres per hour at 0300 to 0600 on the morning of Friday 8 January 2016.

The onset of the very strong, dry and hot winds around 1930 hours was not specifically forecast and was not expected.

Whilst many residents had a general awareness that a major fire was burning in the area to the east, many did not appreciate that there was an escalating risk to residents in and around Yarloop and Cookernup. The lack of a specific warning mentioning Yarloop contributed to this lack of awareness.

The presence of the State Operations Centre (SOC) and the Regional Operations Centre (ROC) are also relevant here. Whilst it is reasonable to accept that one of the functions of these two layers in the line of control is to overview and provide analysis of the IMT plans, it is not evident that staff at either facility critically reviewed warnings.

The following excerpt from the findings of the 2009 Victorian Bushfires Royal Commission is relevant:

> *The Commission observed a disturbing tendency among senior fire agency personnel— including the Chief Officers—to consistently allocate responsibility*

further down the chain of command, most notably to the incident control centres. Although incident management teams certainly have direct management responsibility for the response to the fires, under the AIIMS arrangements this should be seen as a delegation of authority, rather than a shifting of responsibility or accountability. This principle that accountability must rest ultimately at the top of the chain of command applies to Victoria Police as well as to the CFA and DSE.[1]

In these instances the IMT could have been supported by the staff in the SOC and ROC in identifying gaps in these warnings. It is concluded that there is room for improvement, by reinforcing the primacy of warnings during bushfire events at every level in the organisations. The role of the SOC and the ROC needs to be re-visited to ensure that a facilitating, supporting and enquiring role is defined. If, on the basis that the IMT require more specific guidance, then, and only then, should the SOC and ROC staff adopt a directing or a commanding role.

Finally, many residents were, apparently, waiting for a final official message to leave. This highlights the risk of over reliance by the public on systems that may fail (due to a range of causes including human error and technology failures) and of the tendency for bushfires to change progression without warning.

FINDING: The origin of the fires that threatened the township of Waroona on the evening of 6 January 2016 are more likely to have been from cloud to ground lightning from a fire induced cloud over the fire (as opposed to have been from either the main fire of Fire 68 or spotfires emanating from Fire 68).

FINDING: On the evening of Thursday 7 January 2016, there was a delay in issuing a Bushfire Emergency Warning that was specific to Wagerup and the townships of Yarloop and Cookernup. An Emergency Warning was issued at 1935 hours. There was no Emergency Alert telephone warning that specifically mentioned Yarloop or Cookernup issued on 7 January 2016.

13. Could people (at Yarloop) have been evacuated earlier?

Answer: *There were a number of cues that a major fire was burning to the north east and east of Yarloop. These included:*

- *The fire-induced pyro-cumulonimbus cloud over the fire was visible during Wednesday afternoon and Thursday morning.*
- *The sound of firefighting aircraft and helicopters.*
- *The presence of fire appliances in the local area.*
- *An Emergency Warning was issued from the IMT in relation to the area north of Johnston Road (which is actually within the Yarloop townsite) and the townsites of Waroona and Harvey.*

The IMT had to deal with a number of concurrent fire runs and vulnerabilities. These included: fire runs on the western side of the fire (and around the Forrest Highway);

[1] Royal Commission into Victoria's Bushfires, McLeod, R. N., Pascoe, S. M., & Teague, B. G., *Final report: Volume 2*, 2010, Melbourne, Government Printer for the State of Victoria, p. 79

Preston Beach; south of Hamel; the Wagerup Refinery; and fire emerging from State Forest to the east of Harvey and Yarloop.

With the benefit of hindsight, there may have been an opportunity to issue a specific Emergency Warning to Yarloop residents, including a telephone Emergency Alert message. This, in conjunction with the local fire units using vehicle sirens and door knocking by police and fire services, may have resulted in more people evacuating earlier. However at that time there were many competing priorities that required attention. The ability to realise the threat to Yarloop and Cookernup would have required not just detailed planning and resources, but also the ability to foresee a wind event that was not specifically forecast.

On the evidence available, it is also noted that neither staff at the DFES SOC nor the ROC identified or discussed the gap in warnings to Yarloop.

14. Were there enough fire trucks in Yarloop?

Answer: *The Shire of Harvey's Chief Bush Fire Control Officer (CBFCO) estimates there were seven Bush Fire Brigade trucks and four Fire and Rescue Trucks in Yarloop as the ember attack occurred at around 1930 hours on Thursday evening. In addition, eight P&W trucks and a number of bulldozers had relocated to Yarloop from the South Western Highway, where the fire had overrun them.*

During Thursday afternoon, the Harvey CBFCO had requested a minimum of 12 additional heavy tankers be sent to supplement resources at Yarloop. This request was made by radio to the DFES communications bus. There is no indication that the request was acted upon.

At 2015hours, the Harvey CBFCO spoke directly to the Western Division Commander over a mobile phone. He reiterated his request for 12 additional fire appliances and advised that the fire was causing significant impact on Yarloop. The Division Commander immediately dispatched a strike team (five fire trucks) to Yarloop and then set about re-deploying additional trucks from elsewhere on the fire to Yarloop.

FINDING: During Thursday 7 January 2016, the Incident Management Team were confronted with a large number of concurrent and immediate priorities. The significance and potential of the threat to Yarloop and Cookernup during Thursday evening was not fully appreciated by the Incident Management Team. As a result, additional resources were not dispatched to Yarloop until after the severe wind event that occurred between 1930 to 2000 hours.

FINDING: On the evening of Thursday 7 January 2016, there was a delay in recognising the request from the Harvey Chief Bush Fire Control Officer for additional firefighting resources for the protection of Yarloop, and in providing them.

15. Why was there no water in Yarloop?

Answer: *The Yarloop water supply relies on water being pumped from a network of pipes as part of a broader regional water supply scheme. Water is piped into holding tanks. Power was interrupted mid-morning on the Thursday resulting in the water pumps ceasing operation. Water held in storage dams was depleted from late morning on*

Thursday 7 January 2016. By 1500 hours the storage dams were empty due to the high demand as residents wetted down their properties.

Harvey Water also had a system for delivering agricultural water to Yarloop from the Stirling Trunk Main pipes. There was a network of water points or hydrant points through Yarloop, including one at the Yarloop Fire Station. A number of these points were utilised (presumably by local Brigade personnel).

It is likely that some residents and some visiting Brigades would not have been aware of the Harvey Water supply scheme water points.

There was an attempt by some Fire and Rescue personnel on the oval to access the Harvey Water delivery point at the oval. However, there was not a compatible fitting.

FINDING: At around 0726 hours on Thursday 7 January 2016 the power to the Water Corporation Yarloop Town Water Supply was lost. This resulted in an inability to pump water to fill two 225,000 litre service tanks that gravity feed the Wagerup and Yarloop Town Water Supplies. This event, associated with the extreme water demand from Wagerup and Yarloop customers on 7 January 2016, resulted in the service tanks running empty and the water supply in Yarloop failing from around 1424 hours on that day.

16. Were resources sent to protect the Alcoa refinery at the expense of the settlements?

Answer: *A Task Force of Fire and Rescue appliances with career Fire and Rescue commanders was deployed to the Wagerup Refinery on Thursday 7 January 2016 during the afternoon. This Task Force, along with some local resources, and supported by Alcoa staff, was actively involved in defending the Wagerup Refinery as the fire burnt up to and around the Refinery. As the fire threat eased at Wagerup, the risk then transferred to Yarloop.*

There is no evidence that supports the contention that resources were sent to Wagerup at the expense of Yarloop. At the time that resources were deployed to Wagerup and the fire was impacting the Refinery, the threat to Yarloop was still to be realised. The Division Commander responsible for the Wagerup Refinery Sector was cognisant of a number of significant consequences if the refinery was damaged and had to cease operation.

17. Could large air tankers have been used?

Answer: *DFES utilised Large Air Tankers (LAT) from Victoria at the O'Sullivan fire in February 2015. The set up time in that instance was 20 hours. Planning undertaken by DFES suggests a minimum set up time of 10 hours is required.*

The Fire and Emergency Services Commissioner gave evidence that the LAT were not requested by the State because there was no request from the IC.

Information provided by DFES states that the "lead in time to mobilise LAT/Very Large Air Tankers (VLAT) for Waroona would have made assistance impractical at the point in time that additional resources were needed…".

The characteristics of the VLAT and LAT aircraft require specific runway length, pavement strength, refuelling and water/foam mixing capability at the airbase. This means that Perth Airport, RAAF Base Pearce and Busselton were possible options during this fire.

DFES advised the Special Inquiry that "the Helitaks, Aircrane and Fixed Wing aircraft would have outperformed the VLAT and LAT in the volume of water/suppressant dropped, average drops per hour … their target flexibility and agility on the fireground … during the Waroona fires".

On the basis of these limitations, DFES is of the view that "the LAT/VLAT would not have affected the extent and impact of the Waroona fire".

In addition to the above, with the development of a pyro-cumulonimbus cloud formations over the fire at periods on Wednesday 6 and Thursday 7 January 2016, air operations would have been affected by up and down bursts of winds. There would have been potential safety consequences from LAT operating in the fire area.

In acknowledging the DFES conclusion that "the Helitaks, Aircrane and Fixed Wing aircraft would have outperformed the VLAT and LAT" it is noted that Western Australia made no requests for these classes of aircraft from the eastern states. The mere fact that individual officers on the IMT did not request the aircraft does not preclude DFES, as the Hazard Management Agency (HMA) for fire, from considering proactively requesting them as a resource that could have been made available either for this fire, or in the event of another fire.

The Special Inquiry observed that, amongst witnesses from DFES and P&W, there is not a lot of experience or capability familiarity with LATs amongst fire management personnel (from both DFES and P&W). The fact that the IMT officers did not request the LAT or VLAT aircraft is hardly surprising. This may suggest that more information could be provided on this capability in pre-fire season briefings in the future.

18. Why was there so much destruction in Yarloop?

Answer: *When the fire entered long unburnt forest to the east and south east of Yarloop, fire behaviour increased. This is evident by the increased amount of crown fire. About this time a pool of hot, dry air (that had originated well east of the fire area during the day), moved over the fire area and directly affected the fire around Yarloop. There was a sharp increase in wind speed (estimated to be over 50 kilometres per hour). Combined with the spot fires from the long unburnt forest, this resulted in massive ember showers across the South Western Highway and through and around Yarloop.*

From evidence available, there were also some areas of high fuel load (eg: some roadsides, some blocks of forested land and some house blocks) within the town area that sustained the fire through the town.

This, combined with the older style of construction of the timber houses, resulted in multiple ignitions of many houses within a short time. This overwhelmed the suppression resources available. Notwithstanding this, there were numerous reports of houses being saved by residents and firefighters.

FINDING: Sometime between 1900 hours and 2000 hours on Thursday 7 January 2016 a strong easterly wind event affected the fireground. This was particularly felt at Yarloop. On advice from the Bureau of Meteorology, the origin of this wind event was a pool of hot, dry air that had originated east of the fire (in the Great Southern weather district) earlier in the day.

19. Was the devastation of Yarloop foreseeable?

Answer: *Like many Western Australian communities, the settlement of Yarloop exists in a bushfire prone environment. That part of Yarloop west of the South Western Highway was not included in the definition of Bushfire Hazard Areas. It has been tragically shown how vulnerable the town and surrounds is to bushfire.*

The following factors resulted in an increased vulnerability for Yarloop:

- *the older construction style of the mainly timber houses;*
- *areas within the town boundary where there were trees overhanging roads and long grass in some reserves;*
- *a number of forested blocks to the north east and east of the town that were long unburnt and subject to the creation of burning embers; and*
- *the strong easterly wind event on the evening of Thursday 7 January 2016.*

It is self-evident that many did not foresee the possibility that the town might be consumed by a bushfire.

20. What is the land tenure of the forest blocks around Yarloop? Who is responsible for that land? What hazard reduction had been undertaken around and within Yarloop?

Answer: *There is a mix of owners of forested block around Yarloop. (Refer to Land Tenure map). The land tenure map shows forested blocks as follows:*

- *Shire of Harvey;*
- *Main Roads Western Australia;*
- *WA Rifle Association;*
- *Log Fence Pony Club;*
- *Department of Lands, and*
- *Department of Parks and Wildlife.*

A P&W Nature Reserve at the intersection of Johnston Road and the South Western Highway had been burnt by P&W in May 2015. Plans had been approved for other P&W reserves to be burnt in autumn and spring of 2016.

Shire of Harvey grassed reserves within the town site were cut every two to three weeks and firebreaks were maintained annually.

FINDING: On the east side of Yarloop, east of and adjacent to the South Western Highway, there is an area of forest, of mixed tenure, that is long unburnt. When the fire entered this forest it became impossible to suppress. The forest then became a source of burning embers that were then borne by the strong easterly wind event. This contributed to the difficulty of fire suppression and the difficulty of protecting houses in Yarloop.

21. Did Yarloop residents recognise and understand the risk?

Answer: *Yarloop is one of numerous settlements that is located on the edge of the Darling Scarp and the Swan Coastal Plain. When a particular weather pattern occurs, there is a risk of hot, dry and strong easterly winds to blow off the escarpment. This weather event occurs periodically, but probably several times every summer.*

Further, the occurrence of evening downslope winds (also known as "katabatic winds") is a feature that numerous locals have observed and have remarked on this to the Special Inquiry.

A significant area of forested land to the north east and east of Yarloop presented a risk of spotting into the town with a strong easterly wind.

In December 2015, the State published "Bushfire Prone Area maps". These are intended as a development planning tool (developments in Bushfire Prone Areas must meet certain building standards). A part of Yarloop (east of the South Western Highway) has been identified as being a Bushfire Prone Area.

Notwithstanding this, it is likely that few residents of Yarloop fully understood the bushfire risk and their own vulnerability.

FINDING: The loss of life, loss of houses and damage in Yarloop on 7 January 2016 were directly attributable to the fire.

22. Why weren't bulldozers or private firefighting vehicles let through Vehicle Control Points?

Answer: *The operation of Vehicle Control Points was broadly in line with the SEMC policy on traffic management in emergencies. The policy and its implementation left much to be desired.*

In 2007, three truck drivers died following a decision to allow transport vehicles through a partial road closure on the Great Eastern Highway near Boorabbin. The three truck drivers were killed by the fire when a sudden wind change swept the fire over the Highway. There is little doubt that this event and the criticisms stemming from it, weigh heavily on the minds of the WA Police, Main Roads WA and P&W staff. It could be considered that this event has resulted in an overly risk averse approach when dealing with traffic management at bushfires.

Notwithstanding the need to carefully weigh up risks when enabling re-entry into a fire area, it is the view of the Special Inquiry that a range of people and resources, (that could have been effectively used during the fire and in the immediate aftermath and recovery), were denied access or were unnecessarily slowed and impeded.

Repeated examples of inflexible and impractical traffic management support the conclusion that the policy and its implementation is flawed. When traffic management policies in WA are compared to those in a number of other states, it is clear that there is room for substantial improvement.

The Special Inquiry has recommended that there be a review of the policy and the practice of traffic management in emergencies in order that there is a balance between protecting life and protecting livelihoods.

Other recommendations deal with systems for registering private firefighting resources and enabling fireground access.

FINDING: The application of the traffic management policy at some locations during the Waroona fire did not meet the expectations of the community. On this basis, the policy and its application requires review.

23. Did agencies "work as one"?

Answer: *In considering past criticisms of the key agencies not working together, the Special Inquiry has seen evidence of significant improvements in the relationships between various agencies over the last 5 years. The Special Inquiry was repeatedly told that the relationship between Bush Fire Brigades and the P&W was good and that there was a strong underpinning trust, common methodology and good interoperability.*

There were comments that the methodology and approach used by some DFES staff and some Fire and Rescue Brigades was more suited to urban or Rural-Urban Interface situations. There were some examples given of fire appliances and personnel that were not used effectively, and which did not integrate as well as could be expected.

Staff and volunteers from P&W, DFES and Bush Fire Brigades all agreed strongly that there was a need for a better system for resources management during an incident. IMT personnel are being hampered and let down by the absence of a resources management system.

There is also evidence that some fire appliances sent into the fire area were not fit for the potential role they might play and the risks that they faced. An example of this was when the Rockingham Pumper was disabled and subsequently destroyed on the active fire edge.

Finally, the Special Inquiry was concerned that there is still significant work to be done to have truly multi-agency pre-formed IMTs. The concept appears to be mature within P&W, but it is noted that there are very low levels of involvement of DFES staff or volunteers.

Chapter Five – Lessons Learned From Previous Bushfire Emergencies

Good decisions come from wisdom, knowledge and experience. Wisdom, knowledge and experience come from bad decisions (Anon)

Introduction

Since 2011, a number of reviews have been commissioned by the Western Australian Government to consider the management of bushfire incidents. This Special Inquiry was directed to consider the following reports:

- *A Shared Responsibility* – Report of the Perth Hills Bushfire February 2011 Review;
- *Appreciating the Risk* – Report of the Special Inquiry into the November 2011 Margaret River Bushfire;
- Post Incident Analyses of the 2011 Margaret River and Nannup Bushfires;
- Parkerville Bushfire Review; and
- O'Sullivan and Lower Hotham Bushfires Review

The Special Inquiry is of the view that it is imperative that there is a culture of continuous improvement in fire and emergency services, natural resource managers and the owners and operators of critical infrastructure. It is through this lens that the above reports have been considered.

The dynamic nature of the system within which fire and emergency services operate has been aptly described by the United State Army as 'VUCA': 'Volatile, Uncertain, Complex and Ambiguous'. There are many unknowns when fire and emergency workers go to a call-out and so it is not unreasonable that some actions might be taken that, on review, could have been done differently.

It is critically important that there is a system whereby the lessons that are identified through after action reviews, debriefs, formal reviews and investigations can then be implemented. A lesson identified is not learned until it is implemented and actioned by current players, built into doctrine for future generations and is subject to a process of periodic review.

The box below summarises the background and framework of each of reports which the Special Inquiry has been directed to consider.

Title	*A Shared Responsibility* – Report of the Perth Hills Bushfire February 2011 Review
Author	Mr Mick Keelty AO (with support from the Department of the Premier and Cabinet)
Date delivered	17 August 2011
Terms of Reference	1. The adequacy of current preventative measures, specifically prescribed burning and other bushfire mitigation activities. 2. The impact of land use, environmental and building laws, practices and policies in the affected areas, affecting bushfire prevention, mitigation and response and what, if any, changes may be required.

	3. The actions that can and should be taken by landowners, residents and tenants in relation to bushfire risk management including undertaking vegetation clearance, operation of evaporative air-conditioners and storage and/or removal of hazardous inflammable material surrounding their dwellings and buildings. This should include consideration of associated enforcement regimes and penalties. 4. The adequacy and effectiveness of information and communication campaigns and mechanisms, including systems for alerting residents in relation to the fire or potential fires. 5. Improvements that can be made in relation to the coordination of activities across all levels of government, including with volunteer groups.
Number of recommendations	55

Title	*Appreciating the Risk* – Report of the Special Inquiry into the November 2011 Margaret River Bushfire
Author	Mr Mick Keelty AO (with support from the Department of the Premier and Cabinet)
Date delivered	27 January 2012
Terms of Reference	Examine and report on: a) The causes of the November 2011 Margaret River Bushfire. b) The basis for and circumstances leading up to Department of Environment and Conservation prescribed burn BS520 within the Leeuwin-Naturaliste National Park. c) The extent to which this prescribed burn was consistent with departmental policy and standard operating procedures. Determine whether critical decisions regarding the prescribed burn, and its management, had sufficient regard for relevant risks, particularly the forecast weather conditions over the period of the burn. Based on such examination, make such recommendations as considered necessary for the prudent management of future prescribed burns.
Number of recommendations	10
Additional response measures	In addition to accepting the recommendations of the Report, the Government committed to undertaking a number of actions, including: • Any Level 3 bushfire to automatically fall under the control of the Fire and Emergency Services Commissioner; • Declaration of South West bushfire risk zone; and • Establishment of the Office of Bushfire Risk Management

Title	Post Incident Analysis for Blackwood Fire 8 – Ellensbrook – Gnarabup, 23/24 November 2011
Author	Noetic Solutions
Date delivered	14 November 2012
Terms of Reference	1. Weather conditions during and following the fire escape 2. Effectiveness of pre-suppression bushfire mitigation strategies 3. Effectiveness of suppression strategies and tactics during the fire 4. Effectiveness of incident management 5. Level of resourcing 6. Information management and effectiveness of community advice 7. Effectiveness of evacuation procedures 8. Effectiveness of people welfare 9. Effectiveness of aerial suppression 10. Effectiveness of interagency operations 11. Effectiveness of emergency management procedures 12. Effectiveness of recovery actions 13. Recommendations
Number of recommendations	58

Title	Post Incident Analysis for Blackwood Fire 11 – Milyeannup-Sollya, 23 November to 5 December 2011 (Nannup PIA)
Author	Noetic Solutions
Date delivered	14 November 2012
Terms of Reference	1. Context of the burn in relation to land tenure and burn history 2. Review of the planning process for the prescribed burn 3. Burn Prescription 4. Implementation of the burn prescription 5. Weather conditions leading up to and during the fire escape 6. Factors contributing to the escape 7. Effectiveness of pre suppression and bushfire mitigation strategies including resourcing 8. Effectiveness of suppression strategies and tactics during the fire 9. Effectiveness of incident management 10. Level of resourcing 11. Information management and effectiveness of community advice 12. Effectiveness of evacuation procedures 13. Effectiveness of people welfare 14. Effectiveness of aerial suppression 15. Effectiveness of interagency operations 16. Effectiveness of emergency management procedures 17. Effectiveness of recovery actions 18. Recommendations
Number of recommendations	33

Title	Parkerville Stoneville Mt Helena Bushfire Review
Author	SEMC (with support from the DFES and the Department of the Premier and Cabinet)
Date delivered	10 June 2014
Terms of Reference	To understand the aspects of the event that worked well and should be built on and highlight any issues that could be improved on. The review addressed: 1. Understand and document the context of the incident including timing, conditions, resources available and any other concurrent incidents which may have impacted on response. 2. The effectiveness of response by agencies, incident management, public information, and suppression strategies and tactics during the fire. 3. The effectiveness of recent SEMC approved changes to policies, plans and associated agency procedures at incident, operational and strategic levels. 4. The effectiveness of relevant legislation such as the Bush Fires Act, and the Emergency Management Act 2005. 5. The effectiveness of associated activities across Prevention, Preparedness, Response and Recovery (PPRR) and any other relevant matters. 6. Comment on the improvements proposed as arising from the review and any other factors to improve the effectiveness of PPRR.
Number of recommendations	27 identified opportunities for improvement

Title	Lower Hotham and O'Sullivan Bushfire
Author	State Emergency Management Committee (co-authored by the Australasian Fire and Emergency Services Authorities Council, the NOUS Group and the Bushfire and Natural Hazards Cooperative Research Centre)
Date delivered	20 February 2016
Terms of Reference	To specifically examine: • operational vertical communications; • interstate resource deployment; and • interagency collaboration.
Number of recommendations	23 identified opportunities for improvement.

In total, across these Reports there are 206 recommendations. These recommendations are listed in Appendix 3 to this Report.

Assessing implementation

Ascertaining the progress towards implementation of each recommendation was not a straightforward task for this Special Inquiry. This can be attributed to the following reasons:

- deficiencies in internal processes for capturing recommendations and opportunities for improvement;

- a lack of clear reporting lines to oversight bodies;
- a lack of clear Key Performance Indicators set by oversight bodies; and
- differing views as to what constitutes 'complete'.

Deficiencies in internal processes for capturing recommendations and opportunities for improvement

'Continuously improve our services' and 'work together as a committed team' are amongst the Core Values of DFES, as outlined in its Annual Report.[1]

The Special Inquiry is concerned that these Core Values are not adequately reflected within the governance processes adopted by DFES to review incidents and capture lessons learnt. These processes range from informal 'hot' debriefs following an incident, to more formal Post Incident Analyses (PIAs) and Major Incident Reviews (MIRs).

It is noted that DFES provided internal policies to the Special Inquiry outlining governance arrangements for incident analysis and the Integrated Planning and Reporting System (IPRS).

However, during the course of this Special Inquiry it was also noted that:

- a number of key consultative committees, aimed at creating dialogue on improvements with Bush Fire Brigade volunteers, have either been wound up, or they are inactive (including the Volunteer Occupational Health, Safety & Welfare Committee);
- in discussions with members of two Bush Fire Brigades weeks after the fire, it was revealed that there had been no attempt to debrief those members;
- following the conduct and publication of the *Joint Agency Operational Audit Report into the Waroona Fire of January 2016* (11 March 2016), at the time of giving evidence to the Special Inquiry, key fire management staff had not seen the Report;
- following the Esperance Fire (December 2015) a MIR was conducted by DFES alone, in spite of the fact that P&W was a key player in aspects of that fire; and
- senior IMT members before the Inquiry had not received a pre-season briefing on LAT capability. The National Aerial Firefighting Centre (NAFC), of which DFES is a member, co-published a paper in August 2015 entitled *Large Air Tanker Evaluation*. That evaluation made a generally positive conclusion in relation to the operations of the LATs in Victoria in the 2014/15 Victorian fire season, including the deployment of Victorian LATs to Western Australia during the Northcliffe fire. That the results of this evaluation were not recognised and discussed with senior operational personnel, such as Level 3 ICs, is troubling.

These instances give rise to concern. They indicate deficiencies in the ability of DFES to gather and communicate lessons from previous incidents amongst on-the-ground fire practitioners and ensure these lessons are acted upon and reflected in doctrine.

A lack of clear reporting lines to oversight bodies

From 2011 to 2013 the progress towards implementing the 2011 Perth Hills Bushfire Report was reported to the Bushfire Review Implementation Group (BRIG). Until the BRIG

[1] DFES, *Annual Report 2014/15,* 2015

disbanded and its work transferred to the SEMC, relevant agencies thus reported to BRIG for the implementation of one report (Perth Hills Bushfire Report) and SEMC for the implementation of another (Margaret River Report).

The SEMC Secretariat advised the Special Inquiry that it currently monitors the recommendations of all previous relevant bushfire inquiries, through a report tabled at every SEMC meeting.[2] Whilst the Special Inquiry acknowledges it is preferable for all Reports to be monitored by the one body, it would appear that the progress of Reports is one item on an already lengthy agenda, and it is thus uncertain whether substantive assessment and discussion can occur.

This approach taken to date in reporting on implementation appears focussed on counting recommendations completed, rather than measuring overall progress and change. The Special Inquiry questions how Government was effectively able to maintain a holistic view of the progress towards implementing recommendations without there being a single oversight body and a forum where progress can be shared and challenged.

The transparency of reporting on the progress towards implementation has also been variable. Following the 2011 Perth Hills Bushfire Report, the BRIG regularly published Stakeholder Briefings on the Department of the Premier and Cabinet, and later SEMC, websites. These stakeholder briefings gradually incorporated some, but not all recommendations from subsequent reviews.

The Special Inquiry is concerned that the last publicly available stakeholder briefing is dated August 2014. Since that time the implementation of Reports has been noted as an item contained in SEMC meeting communiques, but has not contained the same level of detail as previously the case. It is unclear how stakeholders can now effectively monitor progress against specific recommendations.

As noted by the Western Australian Local Government Association (WALGA):

> *Whilst there is a requirement to undertake these reviews the subsequent process for adopting, implementing and evaluating the changes implemented is lacking. The reports are tabled with the SEMC with recommendations allocated to various committees and agencies. This fragments the implementation process and leads to confusion amongst stakeholders. Separate status reports are tabled at subsequent SEMC meetings; however the holistic picture is lost.*[3]

The Special Inquiry notes that at the March 2016 SEMC meeting, the creation of a single database to track all review recommendations was supported. This notion is supported by the Special Inquiry, but it is not sufficient in itself to ensure effective monitoring and assessment of progress.

As will be discussed further in this Chapter, it is the Special Inquiry's view that the annual SEMC Preparedness Reports would be an appropriate medium in which to provide the public with a clear view of progress being made towards implementation. The 2015 Preparedness Report notes that SEMC continues to monitor the implementation of recommendations of

[2] Cronstedt, M, & Edwards, F., Hearing, 30 March 2016
[3] Submission of Western Australia Local Government Association

major reviews, but there is no assessment or acknowledgement of the progress made by agencies in this regard.

A lack of clear Key Performance Indicators

Where agencies have been reporting back to a body or committee such as the BRIG or the SEMC on their progress towards implementing review recommendations, there does not appear to be any key performance measures or a comprehensive reporting framework. This has led to a situation where agencies provide reports which are largely qualitative, of varied quality, and in which progress is difficult to measure.

The Special Inquiry concurs with the view expressed by WALGA, that accountability and effectiveness in relation to implementing previous Reports is neither measured nor reported in an appropriate manner.[4]

WALGA recommended to the Special Inquiry that the SEMC Secretariat develop an assurance framework to monitor the implementation and effectiveness of recommendations emanating from all public inquiries and reviews. The Special Inquiry agrees with this proposal, and the scope for an enhanced role for the SEMC Secretariat is discussed later in this chapter.

Differing views of 'complete'

Related to the above point, it is unclear whether a recommendation is treated as complete when its intended outcomes have been delivered, or once the associated project has been absorbed into the works program of the relevant agency. This has led to a scenario where agencies and stakeholders have differing views as to the progress that has been made in implementing previous reports.

For example, in its submission to the Special Inquiry, DFES advised that 97.8% of recommendations allocated to their agency before 2016 are complete.[5] As can be seen in the assessment of recommendations contained in Appendix 3 to this Report, the Special Inquiry does not share this view.

This issue is not confined to DFES. As documented in Appendix 3, the Special Inquiry has queried the reporting of all agencies with respect to some recommendations.

General progress towards implementation

Previous inquiries and reviews, when considering the implementation of recommendations, have noted that whilst some improvements remain to be made, generally there has been progress. For example:

> *It is clear overall that the progress achieved in interagency collaboration, interoperability and coordination in recent years is becoming well established ... Inevitably however some deficits were also noted and some of these are issues that have come to attention in previous reviews.*[6]

[4] Submission of WALGA
[5] Submission of DFES
[6] State Emergency Management Committee, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 4

> *The Review noted that there have been improvements in the capabilities of the major fire-fighting agencies arising from the implementation of recommendations contained in these reports.*[7]

Whilst the Special Inquiry shares this view, it cannot be ignored that the presence of similar issues arising across reports is indicative of at least some recommendations not being effectively implemented.

The O'Sullivan and Lower Hotham Bushfires Review noted:

> *In relation to interagency collaboration, four main areas previously identified as issues also come to the fore in this Review. These are:*
>
> - *the use of pre-formed incident management teams;*
> - *design and use of incident management systems;*
> - *clarity of roles and expectations; and*
> - *interoperability of systems and equipment.*[8]

Witnesses in one of the hearings in this Special Inquiry highlighted that many issues which arose in the Lower Hotham fires were repeated in Waroona.[9]

In noting these comments, the Special Inquiry is cognisant of the fact that recent reviews that are received by the SEMC (either through having been conducted by the SEMC Secretariat or by a consultant engaged by the SEMC) contain an assessment of agencies headed by some SEMC members. The system seems fraught with the potential for bias through conflict of interest and the need to portray performance through a soft lens.

Specific improvements that have been made

Due to the large volume of recommendations, the Special Inquiry has not been able to conduct a detailed assessment of the implementation of each. There is value however, in highlighting and evaluating a number of specific improvements which have been made since 2011.

DFES organisational improvements

The 2011 Perth Hills Bushfire Report was scathing in its assessment of the effectiveness of the (then) Fire and Emergency Services Authority (FESA), and the Special Inquiry commends DFES for the organisational improvements that have been undertaken since that time.

For example, the FES Commissioner has implemented a reform program which has included measures to address a lack of operational focus, the transition from a board-governed state authority to a State Government department and the articulation of the strategic direction for DFES into the future.

[7] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 14
[8] SEMC, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 8
[9] Peterson, P., Hall, G., & Booth, M., Hearing, 9 March 2016

DFES has also established a governance framework, standardised processes and methodologies for business improvement projects to ensure that they are delivered on time, within agreed cost and to the desired quality.[10]

Whilst there are still identifiable agency level improvements that can be made, as will be discussed in Chapter 15 of this Report, the Special Inquiry notes the organisational development changes that have been made at DFES.

Community engagement

A further area in which DFES has particularly focussed resources is the improvement in its community engagement practices. The Community Liaison Unit (CLU) was established in 2012 in response to the recommendations of the Perth Hills Bushfire Report. As noted in the O'Sullivan and Lower Hotham Bushfires Review, the presence of the CLU at major incidents has reduced the burden on the Department of Child Protection and Family Services (CPFS) staff and has enabled better information and support to affected community members.[11]

The Bushfire Ready program is also indicative of improvements in community engagement. Since the 2011 Perth Hills fires, DFES has worked to increase the number of Bushfire Ready facilitators in the State from 40 to approximately 150. The Parkerville Bushfire Review expressed the view that this has led to a significant improvement in the approach to annual training/forums, a focus on development of the facilitator training modules, improvements to communications tools and reference material.[12]

P&W improved prescribed burn practices

Recommendations 1 and 2 of the Margaret River Bushfire Report, and the Government's response to that Report, directed the former Department of Environment and Conservation to undertake a major review of its prescribed burn practices, to ensure alignment with *AS/NZS ISO 31000:20009 Risk Management – Principles and Guidelines*.

The Special Inquiry is impressed by P&W's implementation of these recommendations, and received evidence that OBRM has conducted audits in each of P&W's nine regions, which confirm that P&W's prescribed burning activities have been planned and conducted in line with the international standard.

Whilst P&W have been unable to meet their yearly burn targets, as discussed in greater detail in Chapter 7 of this Report, this should not detract from the considerable work that has been undertaken to improve the focus of the agency on contemporary and effective risk management practices.

Capes enhanced service delivery reform

The Capes enhanced service delivery reform, led by DFES and the Shire of Augusta-Margaret River, has impressed the Special Inquiry as an example of a positive reform following the 2011 Margaret River Bushfire Report.

[10] Submission of DFES
[11] SEMC, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 42
[12] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 27

Within the Capes region (broadly bounded by Busselton and Bussell Highway to the north and east of the region with Augusta to the South), the project has been successful in the delivery of the following outcomes:

- gazettal of the town sites of Yallingup, Cowaramup, Gnarabup/Prevelly and Witchcliffe as DFES fire districts. Bushfire Brigades in these areas have been transitioned to dual registered fire brigades with responsibility for, and the capacity to service a 'special Capes Zone Response' area established for both structural and bushfire response;
- development, exercising and implementation of a special Capes Zone Response arrangements between DFES, local governments and P&W in areas of high bushfire risk; and
- establishment of multi-agency and all hazards major incident control centres in Busselton and Margaret River, which are capable of managing level 2/3 incidents.

The Special Inquiry concurs with the view expressed by DFES, that these enhancements, which are reviewed annually, have vastly improved rapid response arrangements.[13]

The provision of additional resources into the Capes region has also enabled greater flexibility to release resources to support other shires/regions without unduly impacting on local response capability.[14] For example, in the Waroona fire, bushfire brigades from the City of Busselton provided more than 380 volunteer days, and brigades from the Shire of Augusta-Margaret River provided more than 200.

DFES expressed a view that younger volunteers are now more interested in joining the brigades, because of the higher level of training and support available.[15] This view was supported by anecdotal evidence received by the Special Inquiry when it visited the Augusta-Margaret River area.

Combined Air Desk

In November 2013 the State Operations Air Desk commenced operation. It is a combined initiative between the P&W and DFES, enabling the management of the State's aerial suppression fleet on behalf of both agencies. The relationship of P&W and DFES in relation to the Combined Air Desk is formalised through a heads of agreement, and there are sub-arrangements pertaining to the fixed wing operation and the rotary water/firebombing operation.

The Parkerville Bushfire Review expressed the view that during that incident:

> *... the interoperability gained through the establishment of the joint air desk with DFES and P&W contributed to the successful operation of such a large fleet of aircraft.*[16]

The FES Commissioner advised the Special Inquiry that a combined intelligence desk is now being developed, based on the successful model of the State Operations Air Desk.[17]

[13] Submission of DFES
[14] Ibid
[15] Ibid
[16] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 43

Areas to be addressed

The Special Inquiry is of the view that there are some clear areas relating to recommendations of previous reviews, where further work is required by agencies. Whilst several of these areas are discussed in further detail throughout this Report, they are worth noting in the holistic view of the implementation of previous Reports.

Traffic management

As noted by the Parkerville Bushfire Review, difficulties with traffic management commonly arise in bushfire incidents:

> *An issue consistently raised by those who provided submissions or were interviewed was access to the fire ground after the fire and the issue of traffic management (road blocks) in general. This was also a difficulty experienced in the Perth Hills Fire and Margaret River Fire and comment in the subsequent inquiries. It was also a feature of the 2012 Tasmanian Fires and the 2009 Victorian Fires*.[18]

Traffic management was the subject of recommendations in two of the Reports that this Special Inquiry has been directed to consider; namely:

- 2011 Perth Hills Bushfire Report, Recommendation 32:
  - The Western Australia Police and the FESA jointly examine the Traffic Management System developed in response to the 2009 Victorian bushfires and seek its adaptation to use in Western Australia with additional attention to the access and egress by bona fide residents to areas that are evacuated.
- 2014 Parkerville Bushfire Review, Recommendation 3.5.15:
  - A Restricted Access Permit system for the entry/re-entry of residents, based on the one developed for the Parkerville Stoneville Mt Helena Bushfire should be finalised.

DFES and WA Police have advised the Special Inquiry that both of the above recommendations are regarded as complete. In March 2012 the SEMC considered the Traffic Management System utilised in Victoria, and referred to by Mr Keelty in his Perth Hills Bushfire Report. SEMC accepted the recommendation from its Traffic Management Working Group that the Victorian model not be adopted as it was considered cumbersome.

DFES and WA Police further advised that a draft traffic management policy has been developed and promulgated, and a restricted access permit system is being trialled.

The Special Inquiry is of the view that, despite the difficulties faced in all jurisdictions to appropriately manage traffic during bushfire incidents, the relevant recommendations relating to this issue in previous reports have not been sufficiently implemented.

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[17] Gregson, W., Hearing, 6 April 2016
[18] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 52

The issue of bona fide resident access has not been adequately addressed[19] in Western Australia, and was one of the most contentious issues that arose during the Waroona bushfire incident. The Special Inquiry has thus chosen to focus on this issue in Chapter 12 of this Report, and in that chapter suggests how this issue can be more sufficiently addressed in future, including by expanding the agencies involved in the development of policies so that they more appropriately reflect the needs of all stakeholders during an incident.

Bushfire Risk Management Planning Process

In the Perth Hills Bushfire report, Mr Keelty made a number of recommendations pertaining to the measurement of fuel loads across all land irrespective of tenure. In the Report, Mr Keelty states the following:

> *Until the scale of the risk posed by the build-up of fuel loads is quantified by local governments and the State government agencies responsible for fire, it is not possible to ensure that the most effective programs are in place to mitigate against it.*[20]

To address this issue, and fulfil a number of recommendations of the Perth Hills Bushfire Report, DFES has led the development of a process for Bushfire Risk Management Plans (BRMPs). This process involves conducting tenure blind risk assessments of a local government area (or areas within a local government boundary) and identifying and prioritising treatments to address these risks within a specified timeframe.

Under schedule 3.9 of State Emergency Management Policy 2.9 '*Management of Emergency Risks'*, local governments identified as having a high or extreme level of bushfire risk are required to develop a BRMP. The aim of a BRMP is to facilitate a coordinated and efficient approach towards the identification, assessment and treatment of assets exposed to bushfire-related risk.[21]

In accordance with guidelines and utilising systems developed by DFES, local governments develop the BRMP in collaboration with stakeholders responsible for managing land within their area, including State Government agencies. Landholders are then responsible for implementing treatment strategies to reduce risks identified in the BRMP, and report back to local government on their progress.

A range of government and non-government stakeholders before the Special Inquiry expressed support for the BRMP process as a 'tenure blind' approach to the identification and treatment of bushfire risks. This view is shared by the Special Inquiry.

A pilot for the BRMP process was conducted between March and July 2014 in the South West and Lower South West DFES regions.

The City of Cockburn is the only local government with a completed BRMP, and this was undertaken by that local government independently, outside of the BRMP process.

[19] Submission of Association of Volunteer Bushfire Brigades (AVBFB)
[20] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review*, 2011, p. 89
[21] Office of Bushfire Risk Management, *Guidelines for Preparing a Bushfire Risk Management Plan,* November 2015, p. 11

However, the development and implementation of this project has been, in the view of the Special Inquiry, unacceptably slow. Indeed, while the Director of OBRM stated that the tenure blind integrated approach is "what the future looks like", the BRMP process has lacked sufficient penetration. [22]

A common concern arising on the part of stakeholders involved with the BRMP process is a lack of resources to both develop the plans, and implement the treatments identified. DFES itself, as the agency having oversight of this project, advised that progress has been stalled by a lack of fiscal and human resources.[23]

Local governments, whilst indicating support for the concept of BRMP, have raised objections to being responsible for the preparation of the plans due to a lack of funding and limited resources. The WALGA advised the Special Inquiry that it requested the State Government to undertake a full assessment of the costs and resources required to develop and manage the plans, and resultant mitigation works, but that such an assessment was not undertaken (or provided to WALGA).[24]

Some stakeholders also express concerns about the varying abilities of local governments to undertake this work. For example:

> *The concept is right, that we need to have a plan at local government level which is tenure blind and which looks at the whole question of bushfire prevention, preparation, damage mitigation, coordination and detection… The problem with it that I see at the moment is that the plans are intended to be implemented by local government, and I don't see a commitment or the experience or the expertise within most local government areas.*[25]

The O'Sullivan and Lower Hotham Bushfires Review noted the success of the BRMP will depend on "adequate funding being made available to enable local governments to undertake BRMP requirements".[26]

Similarly the Parkerville Bushfire Review expressed the view that:

> *a more rapid rollout of this initiative could be advantageous, with funding allocated to maximise the opportunities for participation by local governments, so that the State reaps the benefit of the program as quickly as possible.*[27]

State agencies with land management responsibilities have also expressed concern in relation to the resourcing imposition of the BRMP process, both in terms of attending BRMP meetings in each local government area, and arranging for on the ground treatments identified for land for which they are responsible. To be able to undertake this work effectively, an agency would need to be able to prioritise treatments across the State (or at least multiple local government areas), but under the current design of the project it is unclear whether this would be possible.

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[22] Carter, M., Hearing, 5 April 2016
[23] Submission of DFES, p. 17
[24] Submission of WALGA
[25] Underwood, R., Hearing, 11 March 2016
[26] SEMC, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 13
[27] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 21

It is for this reason that the Department of Lands has advocated for a more centrally coordinated approach to the planning, funding and implementation of BRMPs.[28] In addition, the Department of Lands has proposed that a whole of government "Mitigation Activity Fund" seeded initially by the Royalties for Regions program, be introduced to supplement current funding and agency expenditure for bushfire mitigation activities on State-owned land.[29]

As will be discussed in greater detail in Chapter 7, the Special Inquiry shares the view that additional resources should be made available for the implementation of the BRMP process, potentially through a grant scheme utilising both State and Commonwealth funding.

The Special Inquiry concurs with the view expressed by Mr Keelty in his 2011 Perth Hills Bushfire Report, that "the size of the challenge is not an acceptable reason for shrinking from it".[30]

Emergency Services Levy

The Emergency Services Levy (ESL) was introduced on 1 July 2003, and funds career and volunteer fire brigades, volunteer State Emergency Service (SES) units and volunteer emergency service units in Western Australia. The ESL is a State Government charge, levied on rates notices issued by local governments. Money collected by local governments is then provided to DFES for allocation. Local governments can apply to receive grant funding from the ESL for capital and operating costs.

In the 2015/16 financial year, of the total DFES budget of approximately $360 million, just over $320 million was sourced from the ESL. The remaining sources of funding are State Government funding, and '"other revenue and Commonwealth Government Grants".[31]

In the Perth Hills Bushfire Report, Mr Keelty queried the appropriateness of DFES both managing the distribution of ESL funding and being a recipient. Mr Keelty referred to issues raised by a 2006 Community Development and Justice Standing Committee Report into the ESL and by submissions to the Perth Hills Bushfire Report. He expressed the view that a review of the ESL should be urgently undertaken, and made the following recommendation:

> *Recommendation 48: The State Government move the responsibility for the management and distribution of the Emergency Services Levy to the Department of Finance.*

The Parkerville Bushfire Review noted that this recommendation had yet not been implemented, and submissions to that Review argued that the ESL was too focussed on response capability, and should be utilised to improve community resilience.[32]

[28] Submission of Department of Lands
[29] Ibid.
[30] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review,* 2011, p. 77
[31] DFES, *Emergency Services Levy Question and Answer Guide 2015/16, 2015*, p. 4
[32] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 17

DFES advised this Special Inquiry that it had worked with the Department of Finance to consider this recommendation, and it was determined that there was no major benefit evident in transferring the assessment and collection of the ESL to the Department of Finance. This advice is consistent with what has been publicly reported through the Stakeholder Briefings of the BRIG.

However, several stakeholders raised the issue of the ESL with this Special Inquiry, with concerns being similar to those which arose during the Perth Hills 2011 Review and the Parkerville Bushfire Review.

Key concerns regarding the administration of the ESL include:

- increases in the levy amount are perceived to be used to supplement the administrative costs of DFES. For example, the ESL rate for 2015/16 increased by 10.8% on the previous year. This increase saw an additional $31.3 million in funding for DFES, along with a reduction of $15.6 million from consolidated revenue;
- insufficient funding being directed towards mitigation activities, despite the value for money benefits that can be derived from investment in mitigation as compared to response; and
- a lack of transparency in the allocation of funding, and concern that it is not based upon risk.

The Association of Volunteer Bush Fire Brigades described sentiment towards the administration of the ESL as follows:

> *This is a very strong issue amongst volunteers and the local governments. There is a perception that the rules are different for Department of Fire and Emergency Services who are now in control of the distribution of the funding. There is a strong sense of conflict of interest that the body administering the levy is the main beneficiary of the level of funding to which they receive? There needs to be clear separations and the rules re-visited to ensure volunteers and local governments have access to funding to enable bushfire mitigation to occur and fairer access to equipment and resources funding.*[33]

The Bushfire Front agreed that there remains a need to review the ESL:

> *I would like to see a much more independent decision-making process relating to… levy money as part of the overall funds that are available for bushfire management in Western Australia and they should go into the pool, which is then allocated according to a properly thought out strategy: where is the problem, what are the priorities, where will this money do most good?*[34]

Evidently whilst relevant Government agencies may be of the view that Recommendation 48 of the Perth Hills Bushfire Report has been adequately considered, and regarded as inappropriate, this is not a view shared by stakeholders.

[33] Submission of AVBFB, p. 8
[34] Underwood, R., Hearing, 11 March 2016

The Special Inquiry is concerned that the consideration of this recommendation was undertaken by DFES and the Department of Finance in a way that was not sufficiently inclusive or transparent. The administration of the ESL is of such broad ranging consequence that a larger number of stakeholders should have been involved in its review, including WALGA, volunteer representatives, P&W and the Department of Lands. Even if a broader review had reached the same conclusion, that the current administration is appropriate, this would have allowed all parties to have a greater understanding of each other's position.

As such, the Special Inquiry considers that the implementation of Recommendation 48 of the 2011 Perth Hills Bushfire Report remains incomplete. This is not based on a view as to whether responsibility for the ESL should be transferred to the Department of Finance; rather, the recommendation is regarded as incomplete because of the manner in which it was considered by Government.

As will be discussed in further detail at Chapter 15, in light of the changes to the framework for rural fire management proposed by this Special Inquiry, there is undoubtedly a need for an independent review of the ESL to be conducted.

Structural Reforms since 2011

Since 2011 the Government has undertaken two major structural reforms relating to risk management and emergency preparedness: the creation of the Office of Bushfire Risk Management, and increasing the independence of the SEMC and SEMC Secretariat. Whilst generally these reforms have been positive, the Special Inquiry is of the view that further enhancements to both of these bodies would go towards addressing some of the outstanding issues relating to bushfire risk management in Western Australia.

Office of Bushfire Risk Management

On 23 February 2012, as part of the release of the Margaret River Bushfire Review Report, the Government announced the establishment of the Office of Bushfire Risk Management (OBRM) as an office of the then FESA, with specific expertise in and a focus on bushfires.

At that time, the stated role of the OBRM was to have independent oversight of prescribed burning undertaken within the South West Bushfire Zone, with the authority to direct, subject to specific criteria, that any prescribed burn could not occur or be delayed if risks were not adequately considered.[35]

Since its establishment, OBRM has achieved the following outcomes in bushfire risk management:

- developed and implemented guidelines for preparing bushfire risk management plans;
- developed and implemented the mapping standard for bushfire prone areas;
- overseen the review of P&W's prescribed burning programs to ensure compliance with ISO 31000 Risk Management principles and guidelines;
- developed a best practice guide for prescribed burning in the Kimberley region; and

[35] Parliament of Western Australia Legislative Assembly, Statement by Premier, *Margaret River Bushfires – Keelty Report (Hansard)*, 23 February 2012, p 292b-298a

- conducted audits of the prescribed burning activities of P&W, DFES and the Kimberley Land Council.

Evidently, OBRM undertakes roles related to both policy development and to assurance and reporting.

The work that OBRM undertakes with P&W is well regarded by the Special Inquiry. This work includes approving three year master burn plans and providing assurance against the overall program. OBRM also has the ability to investigate any P&W prescribed burn which escapes and has a significant impact.

The Director of OBRM expressed the view that the relationship between OBRM and P&W "has been very successful" and that Government agencies such as P&W see value in an independent organisation such as OBRM being able to examine their operations. [36]

This view is shared by the Director General of P&W, who stated that the role OBRM has undertaken in auditing P&W practices has been "positive" and that "it is important for community confidence that you have a third party in that space"[37]. The Director General also stated that "it gives me confidence, in terms of progressing with a vigorous burn program, to know that we have in place processes that deal with that public risk."

In the view of the Director General, OBRM has also been vital in maintaining community support for P&W's fuel management activities:

> *That's also a risk to the whole process of prescribed burning, if it is done unsuccessfully or has adverse outcomes, that we will then lose community support for that as a tool… we can use (OBRM) as a third party to come in and evaluate our processes, post-incidents, to provide feedback.*[38]

It is the view of the Special Inquiry that OBRM has been instrumental in the increasingly risk based approach to bushfire management in the State.

However, the Special Inquiry is of the view that OBRM's ability to undertake an assurance role with respect to DFES is far more limited, due to it sitting within the structure of that organisation. The Special Inquiry received evidence that there is three years' worth of OBRM audit reports highlighting issues with DFES' prescribed burning frameworks, which are prepared for the Commissioner and not publicly released. Whilst not released publicly due to sensitive information, the Inquiry questions the value of an Audit Report which is only provided to the subject being audited.

In his hearing before the Special Inquiry, the Director of OBRM noted the issue around perceptions of a lack of independence of OBRM from DFES. He emphasised however that the Commissioner values the independence of OBRM and that OBRM has functionally operated independently of DFES.

[36] Carter, M., Hearing, 5 April 2016
[37] Sharp, J. Hearing, 7 April 2016
[38] Ibid.

The position of OBRM within the framework and the machinery of government were acknowledged by the Director of OBRM as being "the elephant in the room since the formation of OBRM". He continues:

> *That has been a tension since OBRM was formed as far as that level of independence, and that's clearly where the tension is around that, the audit and assurance function.*[39]

Increasing the independence of OBRM would enable it to both improve the effectiveness of its assurance role with respect to prevention, and also potentially extend its role to assessing suppression. Although such a task could be undertaken by an Auditor General, the Director General of P&W stated that due to the expertise required and the frequency of the role, "to have an office that functions as an audit office of both mitigation and suppression may well be a valid role for it to play".[40]

Increasing the independence of OBRM would also assist in clarifying its role in assurance, reporting and standard setting, rather than the implementation of policy and projects, which it does not have sufficient resourcing to do. This has become an increasing risk as OBRM has expanded its role from working with P&W and DFES, to working more closely with local governments. The Director of OBRM noted that there is a particular expectation on the part of volunteers, that OBRM will deliver the implementation of policies. In his view, "we need to support it [the BRMP process] without being so descriptive."[41]

The Special Inquiry has received evidence however that some stakeholders, particularly volunteers, feel that the processes being created by OBRM are overly prescriptive. For example:

> *... we had the Margaret River fire and that really put government in a bit of a spin and everybody went ultra-conservative after that. The Office of Bushfire Risk Management has actually made things a lot more difficult to actually – to do prescribed burning.*[42]

> *At a community level it has been too hard to do any preventative burns or risk remediation around town sites that local brigades used to do.*[43]

The Special Inquiry is of the view that there is scope for OBRM to develop a more simplified process for conducting low risk burns, and this is discussed in greater detail in Chapter 7 of this Report.

State Emergency Management Committee and Secretariat

The SEMC Secretariat is a sub department of DFES, and was created in 2012 through the restructuring of the FESA business unit known as Emergency Management Western Australia. This complemented reforms to the SEMC under which the SEMC relinquished

[39] Carter, M., Hearing, 5 April 2016
[40] Sharp, J. Hearing, 7 April 2016
[41] Carter, M., Hearing, 5 April 2016
[42] Iffla, J., Hearing, 9 March 2016
[43] Quinlan, M. Hearing, 9 March 2016

some operational roles and responsibilities, and three independent members were appointed, including an independent Chair and Deputy Chair.

As a sub-department, the SEMC Secretariat has its own financial appropriation, and some of the powers of the FES Commissioner are devolved to the Executive Director of the SEMC Secretariat. The FES Commissioner remains the employing authority for the SEMC Secretariat.

The SEMC Secretariat's strategic objective is to develop and improve the State's emergency management arrangements through capability building and the provision of advisory and support services. Its core functions are to:

- administer the *Emergency Management Act 2005*, including the development and maintenance of related regulations, policies, plans and procedures;
- provide executive and administrative support to the SEMC;
- provide whole-of-government representation on four SEMC subcommittees and two reference groups; and
- build local emergency management capacity by advising local governments, local emergency management committees and other regional stakeholders through a State-wide network of District Emergency Management Advisors.

Since the beginning of 2014 the SEMC Secretariat has also had a role in providing support to the State Recovery Coordinator.

The Special Inquiry commends the work of the SEMC Secretariat in relation to two particular projects:

- the State Risk Project, which seeks to gain a comprehensive understanding of the risks that Western Australia faces at the state, district and local level; and
- the Strategic Plan, which rests on the three pillars of risk, capability and impact.

Both of these projects are indicative of the development of a more strategic level of thinking, appropriate for a body tasked with oversight responsibilities in emergency management.

This Special Inquiry has been specifically directed to consider the Preparedness Reports, annually produced by the SEMC Secretariat since 2012. The purpose of the Preparedness Reports is to capture and report in a single document the state of preparedness of key government and non-government entities and the general community. This is done through an assessment of key indicators aligned to a state emergency management capability framework. SEMC Preparedness Reports are provided to the Minister and tabled in Parliament, and attempt to measure the capability to manage major emergencies.

The Special Inquiry has received evidence that the process to develop these reports is continuing to evolve, but is concerned that they are not as incisive as they could be. Whilst the Preparedness Reports provide a high level summary of agency activities relating to emergency management, in the absence of identifiable key performance indicators or issues to be addressed, it is difficult to see how the level of preparedness can be meaningfully assessed.

Further, the Special Inquiry is of the view that the Preparedness Reports would be an appropriate medium in which to report on the implementation of previous reviews, as discussed above.

In its submission to the Special Inquiry, the SEMC Secretariat acknowledged that improvements to the Preparedness Reports could be made:

> *The last four iterations of the Preparedness Report collectively provide a foundation for the ongoing collection and analysis of data relating to the State's emergency readiness... There is potential for the Report to be of much greater use to Government for providing information on emergency management performance and to guide resource allocation priorities. However, to do that there will be the need to have expertise and systems in place to provide consistent, reliance and robust data to inform the process.*[44]

Stakeholders were more explicit in their concern that the Reports were not yet an accurate measure of the preparedness of the State. For example:

> *... unless you actually physically get out there and start checking, it's probably not as rosy as what they are telling the State Emergency Management Committee*.[45]

Similarly, confidence in incident reviews undertaken by the SEMC Secretariat is also varied. The Special Inquiry noted that the Parkerville Bushfire Review in particular, was not incisive in its identification of key issues. The SEMC Secretariat itself noted the difficulties it faces in undertaking this role:

> *The SEMC Secretariat is inevitably required to report on the actions of its parent agency DFES or even on activities in which the SEMC Secretariat staff are directly involved, such as the functioning of Incident Support and Operational Area Support Groups.*[46]

The independence of the Chair and the Deputy Chair was intended, in part, to enable the SEMC to undertake this role. The current chair noted the value of his independence:

> *... the appointment (of the Chair) infers that the Chair will act with independence and not with any regard to any particular allegiance of any Government department, and the fact that we can't meet without either the Chair or the Deputy Chair, because they're the two independent people being in that position, doesn't allow it to be carried by any particular agenda.*[47]

The Special Inquiry notes that some stakeholders do not believe that the SEMC or the SEMC Secretariat is sufficiently independent to carry out its intended role. For example:

> *There is a view of a conflict of interest with the State Emergency Management Committee being under the Department of Fire and Emergency Services... The current model is perceived as the State Emergency Management Committee that set*

[44] Submission of SEMC Secretariat, p. 4
[45] Iffla, J., Hearing, 9 March 2016
[46] Submission of SEMC Secretariat, p. 3
[47] Edwards, F., Hearing, 30 March 2016

> *strategic State policy being subservient to a department, whose head is a person that sets the policy for that Department? This perceptively implies an ability to influence policy so it would not be detrimental to a particular department's operations?*[48]

In its submission to the Special Inquiry, the SEMC Secretariat notes that in his 2011 Report, Mr Keelty advocated a "greater degree of separation and independence than has been achieved to date"[49] for the body. It should be noted however that the Chair of the SEMC advised the Special Inquiry that the FES Commissioner has not acted in any way so as to compromise the independence of the Committee.[50]

This Special Inquiry has received evidence, both formally and anecdotally, to indicate support from Government agencies and non-Government stakeholders for the SEMC Secretariat to have greater independence from DFES, and that this may be best achieved through transferring it to the Department of the Premier and Cabinet. Such a structural change would also be consistent with the recommendations made by Mr Keelty in the Perth Hills Bushfire Report, who was of the view that independence was necessary for the (then) Emergency Management WA to truly gain a whole of government perspective.[51]

Indeed, the SEMC Secretariat has expressed support for this proposition:

> *Alignment with or under the DPC has been seen as the most appropriate model under current circumstances, in that the State Recovery Coordinator is located within DPC and whole-of-government considerations are critical to both emergency preparedness and recovery (as evidenced by the Waroona fires and recovery effort).*[52]

Whilst greater independence in a structural sense may be of value, the Special Inquiry is of the view that it is more important for the SEMC and the SEMC Secretariat to be empowered to undertake a more thorough assurance and reporting role. This could be achieved through the development of a designated inspectorate role within the SEMC Secretariat. There is also scope for greater alignment with the OBRM, given its own assurance and reporting role discussed above.

The Director of the SEMC Secretariat agreed that it is a natural trajectory for the SEMC Secretariat to move towards examining more thoroughly emergency management risks, capability and impact, and documenting the progress made.[53] In its written submission, the SEMC Secretariat also noted that further developing and monitoring compliance with risk assessment and mitigation standards would complement and reinforce the work currently undertaken by OBRM, and that given the "similarity of roles" there may be opportunity to incorporate elements of OBRM within a realigned SEMC Secretariat.[54]

[48] Submission of AVBFB, p. 8
[49] Submission of SEMC Secretariat, p. 2
[50] Cronstedt, M, & Edwards, F, Hearing, 30 March 2016
[51] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review,* 2011, p. 171
[52] Submission of SEMC Secretariat, p. 3
[53] Cronstedt, M, & Edwards, F, Hearing, 30 March 2016
[54] Submission of SEMC Secretariat, p. 3

The State Recovery Coordinator, in his hearing before the Special Inquiry, agreed:

> *I think that such an inspectorate could have a very useful role in establishing standards and targets for improvement and the interaction between such an inspectorate and the preparedness report prepared by SEMC would be very useful so that could give some substance to standards being achieved and provide a much better basis for the assessment of risk.*[55]

Recommendation 1:The State Government to explore options for streamlining the functions and the independence of the State Emergency Management Committee Secretariat and the Office of Bushfire Risk Management with a view to including an inspectorate function, and appointing a person who is dedicated to that role. The purpose is to provide assurance and reporting, and to inquire into, monitor and report transparently on emergency management standards, preparedness, capability, service delivery and investment performance outcomes. Within two years of the establishment of this arrangement the State Government to review and assess whether it is meeting the desired outcomes.

[55] Hay, B., Hearing, 24 March 2016

Chapter Six – The Fire

A rolling wave of flame.[1]

Direct reference is made within this Chapter to the following Appendices:

- Appendix 3 – Reconstruction of the Spread and Behaviour of the Waroona Bushfire Perth Hills 68;
- Appendix 4 – Maps of fire progression; and
- Appendix 5 – Meteorological aspects of the Waroona Fire of January 2016.

The Waroona Fire

Phase 1: 0630 to 1900 hours 6 January 2016

Fuels

Lightning activity during 5 January 2016 ignited two fires west of Murray Road in a young forest block. The two fires were titled Fire PH68 (Fire 68) and Fire PH69 (Fire 69).

Both fires were first detected by P&W staff monitoring the Landgate 'FireWatch' website at 0630 hours on 6 January 2016. [2]

FINDING: The fires known as Perth Hills Fire 68 and Fire 69 were started by lightning in State Forest known as the Lane Poole Reserve after dark on Tuesday 5 January 2016 at an undetermined time.

Whilst Fire 69 was contained by 1143 hours, the initial attack on Fire 68 was slower due to safety concerns that the crews downwind of Fire 69 might be overrun by that fire. These safety concerns were valid and the actions of the IMT were appropriate. Access to Fire 68 was also hampered by large rocky outcrops and the presence of a large number of dead trees. Fire 68 became the main fire front known as the Waroona fire.

Both fires initially developed in open State Forest of jarrah and marri on the eastern side of the Murray River valley in six year old fuels, dating from a spring 2009 hazard reduction burn in young forest. Reports from the 2009 burn indicated the fire was of moderate intensity and consumed ground and near shrub level fuels. Fuels on the steep west-facing aspect of the valley burnt patchily or not at all which may suggest the fuel age was greater than six years old. The reconstructed rate of spread between 1140 hours and 1450 hours was 1,105 metres per hour.

Fuels west of the Murray River were considerably older than those to the east, ranging from 10 to 37 years since last burnt.

[1] Smith, S., telephone hearing with Special Inquiry, 15 April 2016
[2] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016 p. 9

A significant proportion of the State Forest impacted by this phase of the fire had been subject to bauxite mining. The landscape was modified by mining infrastructure (quarry pits, haul roads, conveyors, powerlines) and the presence of significant areas of recently rehabilitated forest. These presented significant challenges for access by firefighters, and limited the application of fire control strategies.

As the fire progressed further west it encountered an increased proportion of older rehabilitated bauxite pits, densely stocked with jarrah and marri saplings.

Reconstruction of the fire suggests that between 1800 and 1906 hours the rate of spread of the fire increased to 3272 metres per hour. This period coincided with the fire encountering an area of un-mined forest in a proposed national park: this area was last burnt in 1978 and contained fuel with an age of 37 years.

The initial response

At 0700 hours a P&W spotter plane was deployed. It confirmed the presence of two fires near Nanga Road, Dwellingup at 0725 hours. [3]

At 0703 hours, following the initial detection of the fire, the P&W Duty Officer requested the following P&W crew to be dispatched from the P&W Dwellingup depot: four four-wheel-drive heavy fire vehicles and one front end loader.[4] A P&W Field Operations Officer was dispatched from Dwellingup. He was directed by the Duty Officer to head to Nanga Road, based on the preliminary spotter plan observations of the fire location and because there are a number of camping facilities in that area.[5]

Between 0720 hours[6] and 0730 hours[7], the P&W machinery was mobilised, with trucks and a front end loader despatched from Dwellingup. The initial P&W crews were tasked to first work on the easternmost (Fire 69). This was due to the direction in which Fire 69 was moving. The presence of easterly winds made Fire 69 a threat to the safety of crews who may be deployed to fight the westerly Fire 68.[8] The P&W Field Operations Officer informed the Special Inquiry:

> *... the way that Fire 69 was running was going to run towards Fire 68 ... we would have potentially been putting people in between the two fires, which we didn't think was a safe move to do... [W]e thought we needed to get 69 under control so we weren't putting people potentially in front of that one.*[9]

This approach was consistent with firefighting safety principles, including the LACES (Lookout; Awareness; Communication; Escape routes; Safety zones) principle.[10]

[3] Pasotti, M., Hearing, 16 March 2016
[4] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 39
[5] Pasotti, M., Hearing, 16 March 2016
[6] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 9
[7] Pasotti, M., Hearing, 16 March 2016
[8] Ridley, J, Hearing, 17 March 2016
[9] Gunn, S., Hearing, 1 April 2016
[10] DFES, *Safety Circular 10/2015,* November 2015. This document explains the LACES principle which is a well-recognised safety system used to streamline firefighter's decision making processes in hazardous environments.

Making the westernmost fire (Fire 68) the second priority was also due to the fire being located in terrain that hindered access to the fire site. In practical terms, the landscape made tracking the fire with machinery difficult. This limited the ability to apply a direct attack strategy. Heavy machinery was required to cut a track to the fire – a front end loader was initially dispatched; two dozers and two additional front end loaders despatched shortly after.[11] Once the P&W machinery reached the fire, crews were able to construct a mineral earth control line around the fire. The rate of construction of this control line was about 100 metres per hour; but this was not as fast as the fire was moving.[12]

Aerial support was part of P&W's initial resource deployment. At 0726 hours, four fixed wing water bombers were requested by the P&W duty officer,[13] and at 0745 hours two water bombers were dispatched from both Jandakot and Bunbury (making four in total). The aircraft were instructed to focus their suppression activities on Fire 68, with the aim of holding it until ground crews could gain access.

At 0800 hours, an IMT was established at the P&W Mundaring office to manage the Department's response to the fire.[14] The P&W Duty Officer became the IC. Shortly after establishment, the IMT informed the DFES Communications Centre of the fire.[15]

At 0830 hours, the IC declared the fire to be a Level 1 incident.[16] Westplan – Fire provides that a Level 1 fire incident is characterised as being able to be controlled through local or initial response resources within a few hours of notification of the fire.[17] A Level 1 incident is broadly defined by meeting one or more of the following typical conditions:

- there are no significant issues;
- there is a single or limited multi agency response (day to day business);
- there is minimal impact on the community;
- the incident can be managed by a Controlling Agency IMT only; or
- there is a low level of complexity.[18]

At the time of declaration as a Level 1 incident, it was anticipated by the IMT that the fire would be brought under control with relative ease.

By approximately 0830 hours, the total P&W resources deployed to the fire included four trucks from Dwellingup and four trucks from Jarrahdale, each manned by two people; two dozers; and two front end loaders.[19]

[11] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 40
[12] Pasotti, M., Hearing, 16 March 2016
[13] Ibid
[14] Ibid
[15] At 0804 hours the IMT informed the DFES Communications Centre of the fire; DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016 p.10
[16] Ibid
[17] State Emergency Management Committee, *State Emergency Management Plan for Fire* (Westplan – Fire), 2013, p. 24
[18] State Emergency Management Committee, State Emergency Management Policy No 4.1 - *Incident Management*, 2013, p. 4
[19] Ridley, J., Hearing, 17 March 2016

The first Incident Action Plan (IAP) was prepared by the IMT at 0930 hours. As set out in the IAP, the initial objectives of the P&W response were to: contain both fires east of the Murray River and west of Murray Road; to protect users of the Bibbulmum Track and infrastructure at the Murray Campsite; and to keep the community informed for the duration of the incident. The strategies to be employed to achieve containment were direct attack on the fire using dozers and front end loaders, with support by aircraft and ground crews.[20] It was estimated that approximately two kilometres of tracking with machinery was required.[21]

By 1000 hours, the resources deployed by P&W had increased. The Special Inquiry received evidence from the IC which stated that the deployed resources consisted of seven experienced officers, eight trucks, two front end loaders, two dozers and three water carts. Two additional trucks were on their way from Boddington.[22] The IC reported to the Special Inquiry that he and his team were comfortable with this level of deployment; particularly given experienced operators were working on the fire.[23]

Fire 69 was tracked and contained by 1143 hours on 6 January 2016. Containment was achieved through ground based direct attack.[24] Despite Fire 69 being contained, the Special Inquiry heard that significant access issues remained for crews attempting to fight Fire 68:

> *... because of the location and the terrain, we were having great difficulty in establishing – or rapidly establishing – mineral earth breaks ... it was right on the breakaway into the Murray Valley. There was also a creek line to the south of it ... So although we had machinery quite quickly on site ... the initial tracking was difficult.*[25]

These initial difficulties meant that Fire 68 continued to burn uncontained. However, the P&W Duty Field Officer considered that:

> *... during those initial stages the fire probably wasn't doing anything out of the norm… And even the spotter reports were getting to some point mid-afternoon it was probably within the realms of what would have been expected.*[26]

As the fire continued to move west, the strategy was to try to anchor the fire into the Murray River on the east; to bring crews to the western side of the river and then to build containment lines. The intent was to try to get around the fire (meaning the entire perimeter) during the night of 6 January 2016.[27]

[20] Incident Action Plan, Shift 1, 6 January 2016, p. 1
[21] Ibid., p 3
[22] Ridley, J., Hearing, 17 March 2016
[23] Ibid
[24] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 40
[25] Ridley, J., Hearing, 17 March 2016
[26] Gunn, S., Hearing, 1 April 2016
[27] Pasotti, M., Hearing, 16 March 2016

The Special Inquiry heard that the IMT did not believe it was possible to directly address the head of the fire. The Operations Officer reported that:

> *... there was no safe way to put people on the west side of the river [to fight the fire], initially, because the fire would – if it crossed, was probably going to cross mid-slope, spot across, and they would be stuck between the two fires.*[28]

As tackling the fire from the west would have been dangerous, the P&W crews applied the "usual strategy of start from the tail [of the fire] and track your way to the front".[29]

By 1200 hours, aerial intelligence and reports from the field indicated that the fire was 800 metres east of the Murray River. The original proposition of catching the fire prior to it crossing the river was looking increasingly less likely to the IMT, particularly due to the speed of the containment line production.[30]

At 1330 hours, the fire had reached 160 hectares in size.[31] It was when the fire jumped the Murray River shortly after this time that a marked escalation of the response occurred.

FINDING: The timing, weight of attack and strategies employed on the initial fire attack on Fires 68 and 69 were reasonable.

FINDING: The Incident Management Team decided to delay initial suppression actions on Fire 68 due to concerns that Fire 69, should it not be controlled quickly, might overrun crews that would otherwise have been deployed on Fire 68. Given the likelihood and consequences of the safety risks that this scenario presented, this was an appropriate decision.

FINDING: Rainfall in South West WA was very much below average in 2015. From May to October 2015, the Waroona region recorded rainfall in the lowest 10% of records. In 2015 Dwellingup recorded its warmest year of day-time maximum temperatures in its 75 years of records. Bureau of Meteorology measures of the dryness of heavy forest fuels indicated that forest fuels were significantly drier than the five year average. The dry condition of forest fuels contributed to the difficulty of suppressing and extinguishing the fire.

FINDING: From about 1030 hours on 6 January 2016, the ability to control Fire 68 was hampered by:

- difficult access;
- very dry fuels;
- heavy forest fuels;
- the intensity of the fire;
- steep and rocky terrain; and
- the delay caused by safety risks presented by Fire 69.

[28] Ibid
[29] Ibid
[30] Pasotti, M., Hearing, 16 March 2016
[31] DFES and P&W, *Interim Fire Chronology,* 1 February 2016

FINDING: After it crossed the Murray River, the ability to control Fire 68 was hampered by terrain, heavy forest fuels and difficult ground access in the State Forest, including the area known as the Alcoa Mining Lease.

Escalation from Level 1 to Level 2

The uncontained fire crossed the river at approximately 1345 hours. It then continued to gather momentum and increase in size.[32] The head fire was reported by aerial surveillance to be on the steep western slopes of the Murray River valley. At around this time, the IC requested additional resources in the form of eight to ten more P&W trucks.[33] Aerial resources were directed to try to contain the hop overs as best as possible.[34]

As the fire crossed the river, the P&W crews were still confined to tracking the fire on its eastern boundary. The Special Inquiry heard that attacking the fire from the west was still considered too risky.[35]

Following the fire crossing the river, it appeared likely to the IC that the fire would start impacting on infrastructure and key roads. Tracking wasn't occurring at a rate which would allow for the fire to be wound in. There was also a degree of uncertainty about how the fire would behave once it reached the disturbed areas in the landscape to the west, such as the Willowdale mine site and surrounding land.[36]

Consequently, the IC escalated the fire from a Level 1 to Level 2 incident at 1530 hours on 6 January 2016.[37] DFES personnel were briefed on the fire at 1600 hours.[38]

Level 2 fires are considered to be more complex than a Level 1 fire either in size, required resources, risk or community impact. They usually require delegation of a number of incident management functions, and may require interagency response.[39]

A Level 2 incident is broadly defined by meeting one or more of the following typical conditions:

- requires a multi-agency response;
- has a protracted duration;
- requires coordination of multi-agency resources;
- there is some impact on critical infrastructure;
- there is a medium level of complexity;
- there is a medium impact on the community (health, safety, economic, technological or other);
- there is potential for the incident to be declared an 'Emergency Situation'; or
- the incident involves multiple hazards.[40]

[32] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 10
[33] Ridley, J., Hearing, 17 March 2016
[34] Gunn, S., Hearing, 1 April 2016
[35] Pasotti, M., Hearing, 16 March 2016
[36] Ridley, J., Hearing, 17 March 2016
[37] Ibid
[38] Todd, B., Diary, 6 January 2016
[39] State Emergency Management Committee, Westplan – Fire, 2013, p. 24
[40] SEMC, SEMP No 4.1 – *Incident Management*, 2013, p. 4

Once the fire was declared a Level 2 incident, the IMT decided to establish an ICC at the Orion facility within the Alcoa Willowdale mine site. This decision was revised at approximately 1700 hours as the result of an increase in fire behaviour, which led the IMT to believe there was potential for the fire to reach that site in the near future.[41]

The IMT had not anticipated that the fire would reach private property or Waroona townsite within the next eight to 10 hours, based on the rate of spread at that time. The Waroona Oval was therefore considered to be a suitable alternative ICC location (the Waroona ICC). Plans were put in place to have the Waroona ICC established by 0600 hours on 7 January 2016.[42]

The IMT also agreed that a pre-formed Level 3 P&W IMT needed to be made available for the following day.[43] P&W has five preformed IMTs. Each team carries a complement of around 50 personnel filling different IMT roles.[44] The intention is to have one team available for each duty week covering the South West's bushfire season.

Consideration of the need for a preformed IMT commenced from around 1400 hours. The P&W preformed Red IMT was activated at 1710 hours on 6 January 2016, for intended commencement of duty at 0600 on 7 January 2016 at the Waroona ICC. [45]

When giving evidence before the Special Inquiry, the IC who activated the Red IMT stated that the request for the preformed IMT reflected an appreciation for the likelihood that the fire would become a Level 3 incident in the near future, if it was not already considered to be one.[46]

The Special Inquiry has considered whether the Waroona fire could have been declared a Level 3 Incident earlier than it was – 2215 hours on 6 January 2016.

The Special Inquiry considers there is one key point in time where an earlier escalation to Level 3 may have been considered: the fire jumping the Murray River.

Westplan – Fire defines Level 3 fire incidents as incidents which are considered to be protracted, large and resource intensive. They may affect community assets and/or public infrastructure, and attract significant community, media and political interest. Level 3 incidents will usually involve delegation of all the Incident Management functions.[47]

State Emergency Management Policy 4.1 *'Incident Management'* (SEMP 4.1) outlines the key criteria of a Level 3 incident, which are:

- the incident requires significant multi agency response;
- there is a protracted response duration;
- there is significant impact on critical infrastructure;
- there is significant coordination of multi-agency resources;
- there is a high level of complexity;

[41] Ridley, J., Hearing, 17 March 2016
[42] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 10
[43] Ridley, J., Hearing, 17 March 2016
[44] P&W, SOP 091 '*Preparedness and mobilisation of preformed AIIMS teams',* 1 December 2015
[45] P&W have five colour-named, preformed IMTs operating on a standby roster system.
[46] Ridley, J., Hearing, 17 March 2016
[47] SEMC, Westplan – Fire, p. 25

- there is significant impact on the community (health, safety, economic, technological or other);
- there are multiple incident areas;
- evacuation and/or relocation of community is required;
- there is actual or potential loss of life or multiple, serious injuries; or
- a declaration of an 'Emergency Situation' or 'State of Emergency' is required.[48]

At the time the fire crossed the Murray River there were a number of cues that the fire was likely to develop into a significant (and therefore a Level 3) fire:

- the head fire was unable to be controlled;
- forest fuels were drier than average;
- access was hampered by steep rocky terrain;
- the fire was burning into State Forest where bauxite mining operations hampered access and suppression; and
- a pyro-cumulonimbus cloud had formed over the fire.

This needs to be considered in the context that the fire behaviour and the rate of spread from dusk and overnight were greater than forecast by fire behaviour models.

FINDING: There were a number of cues that the fire had the potential to be declared a Level 3 Incident. Despite these cues, the potential for a Level 3 fire was not recognised until after 1530 hours.

Shortly after activating the Red IMT, P&W requested assistance from DFES. A Sector Commander, eight tankers, a resource officer and a local government representative were sought from DFES, to be available for duty on the morning of 7 January 2016.[49]

There was continued exponential growth of the fire, including an 'unexpected and dramatic' escalation at 1700 hours – at this time the fire crossed Nanga Road.[50] The fire was plotted as being 800 hectares in size, moving at approximately one to one and a half kilometres per hour, even when travelling uphill.[51]

It became apparent to the IMT that the fire had the potential to reach the scarp within the next 12 to 14 hours. Due to the fuel types in the mine site and the limitations accessing the fire due to the landscape, the next opportunity to safely catch the fire was thought to be in the open pasture at the bottom of the scarp.[52]

The Special Inquiry heard that local experience suggested that the fire entering the pasture on the Swan Coastal Plain would have made it more accessible, providing the ability for firefighters to hold the fire in the pasture while machinery contained the flanks.[53] In anticipation, plans were put in place for additional machinery to be made available for the

[48] SEMC, SEMP 4.1 – *Incident Management*, 2013, p. 5
[49] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 11
[50] Ibid
[51] Pasotti, M. Hearing, 16 March 2016
[52] Ibid
[53] Ibid

morning of 7 January 2016.[54] However, with fires breaking out around Waroona later in the evening, and the head fire continuing to move at a fast pace, the IMT was not in position to action this strategy.

During a hearing with the Special Inquiry, the Incident Controller B conceded:

> *... it was a very frustrating evening [of 6 January], very, very difficult to formulate a coherent strategy that you could say was aimed at supressing the fire ... it was a larger, more intense fire than we thought it should have been, and so, yes, we didn't formulate a coherent suppression strategy as opposed to a protection of assets of the community.*[55]

At 1730 hours, a large pyro-cumulonimbus cloud had formed above the fire, and the plume was moving towards the south-west.[56] This thunder cloud formation brought additional risks of strong erratic updraft and downdraft winds which result in unpredictable fire behaviour. The cloud was easily visible from the Swan Coastal Plain. Numerous ground lightning strikes were detected by sensors from 1640 hours onwards, ceasing at around 2015 hours.[57]

By 1800 hours, P&W had nine machines working on the fire, along with 20 heavy-duty vehicles, 14 IMT staff, multiple water carts and seven aerial water bombers.[58]

As dusk settled, the rate of spread of the fire increased.

Phase 2: 1900 hours 6 January 2016 to 0930 hours 7 January 2016

Fuels

During the second phase, the fire spread through a complex mosaic of active mining operations, mining infrastructure, rehabilitated bauxite pits and remnant native forest. Much of this area carried fuels older than 20 years, apart from some areas to the south which were burnt in 2006.

Once the fire reached the edge of the escarpment it encountered a mixture of remnant woodlands and pastures. The northern flank of the fire, just east of Waroona, encountered one year old fuels burnt during a 2015 bushfire.

As the fire reached the Swan Coastal Plains it encountered cured and irrigated pasture, remnant woodlands and swamp vegetation along drains and road verges.

Between 1900 and 2300 hours on 6 January 2016 the fire spread at a faster than predicted rate. Possible reasons for this increased rate of spread include the presence of extensive areas of rehabilitated forest with heavy unmanaged fuel loads, and the unusually dry antecedent conditions.

[54] Low, K., Hearing, 16 March 2016
[55] Ibid
[56] McCaw, L., Burrows, N., Beecham, B. Rampant, P., *Reconstruction of the spread and behaviour of the Waroona bushfire (Perth Hills 68)*, P&W, 6 April 2016, p. 22
[57] Ibid., p. 21
[58] Ridley, J., Hearing, 17 March 2016

At around 2130 hours a tongue of fire was reported to have crossed the South Western Highway between Waroona and Hamel. The area where the fire crossed the highway is the Drakes and Sampson Brook convergence. It is likely that the alignment of the two Brooks and the terrain contributed to channelling the wind and path of the fire.

West of the South Western Highway the fire entered the Waroona main drain. The heavy fuels around the drain allowed the fire to rapidly spread north west. This spread resulted in a very long narrow fire shape. Efforts to contain the fire along the drain were hampered by the speed and intensity of the fire in the remnant vegetation adjoining the drain.

By 0200 hours on 7 January 2016 the fire was impacting the eastern outskirts of Waroona where it burnt through one year old fuel dating from the January 2015 bushfire. This young fuel is thought to have reduced the fire intensity and the likelihood of spot fires starting.[59]

New fires around Waroona during the evening of 6 January 2016

Aerial intelligence from 1912 hours indicated that the fire had grown to 2800 hectares and was predicted to be spreading at approximately one and a half to two kilometres per hour. As the rate of spread overnight was double that predicted, the IMT identified that there was a need to prepare for potential impact on Waroona by the morning of 7 January 2016.[60]

As aerial intelligence ceased overnight, information on the location and behaviour of the fire was greatly reduced and instead continued to be tracked by P&W personnel on the grounds. The available intelligence was restricted to observations from the field, often made a considerable distance away.[61]

At approximately 1900 hours, the IMT had predicted that there was an estimated 12 hours before the fire reached the Waroona townsite. The fire was approximately 13 kilometres from Waroona and eight kilometres from the nearest private property. It was predicted by the IMT to be moving, at worst, at a rate of 2,000 metres per hour.[62]

However, shortly after 2100 hours the Waroona townsite was reported to be under sustained ember attack.[63] At that same time a 'Watch and Act' alert was issued for Lane Poole Reserve, the Alcoa mine site, and adjacent private properties in the Shire of Waroona.

The Harvey CBFCO informed the Special Inquiry that at 2115 hours he received a call from the DFES Communications Centre advising that there was fire in Waroona. The P&W fire reconstruction report noted that there was evidence of a number of independent ignition points a distance from the main fire – this included in areas to the east of Waroona. It is thought that these were caused by lightning strikes from the pyro-cumulonimbus cloud.[64]

[59] McCaw, L., Burrows, N., Beecham, B. Rampant, P., *Reconstruction of the spread and behaviour of the Waroona bushfire (Perth Hills 68)*, P&W, 6 April 2016
[60] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 50
[61] McCaw, L., et al, op. cit., p. 22
[62] Pasotti, M., Hearing, 16 March 2016
[63] McCaw, L., et al, op. cit., p. 22
[64] Ibid

The spot fires were approximately 13 kilometres away from the last known location of the head fire.[65] The Special Inquiry heard how the presence of the spot fires rapidly and unexpectedly escalated the fire situation, severely undermining the IMT's IAP and the ongoing fire suppression effort. The IMT, particularly from a warnings and strategy perspective, lost a significant amount of time that was anticipated to be available to prepare for the fire before it posed a serious risk to lives and property.

From the IMT's point of view, the fire had shifted 13 kilometres in an hour and a half. This rendered the fire behaviour predictions to date and the IMT's predetermined strategy redundant. As the Operations Officer at the time succinctly put it in evidence before the Special Inquiry:

> *It beat us to the punch, basically.*[66]

These sentiments were echoed by the incoming Level 3 IC:

> *So it was a … frustrating evening, very, very difficult to formulate a coherent strategy that you could say was aimed at suppressing the fire, and virtually all our energy was placed in trying to get intelligence from wherever we could, but it never … came to shape.*[67]

At the time the spot fires around Waroona broke out, all the P&W resources were located on the east side of the Murray River and were not readily deployable to Waroona, which is located to the west of the river. At approximately 2215 hours, the IMT requested additional resources from the local government and DFES for deployment into Waroona for asset protection. The requested resources were drawn from the Waroona Volunteer Fire and Rescue Service and Yarloop and Cookernup Bush Fire Brigades.[68]

The impact of the fires around Waroona on the planning and response by the IMT cannot be understated: the IMT was surprised. A significant amount of time that they had anticipated would be available to contain the head fire essentially disappeared; for the next few days, the IMT was left constantly chasing a fire that was growing larger and larger.

FINDING: The origin of the fires that threatened the township of Waroona on the evening of 6 January 2016 are more likely to have been from cloud to ground lightning from a fire induced cloud over the fire (as opposed to have been from either the main fire of Fire 68 or spotfires emanating from Fire 68).

Opportunity 1: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to engage with the Bureau of Meteorology and the Bushfire and Natural Hazards Cooperative Research Centre to investigate the prediction of cloud to ground lightning occurrences.

[65] Ridley, J., Hearing, 17 March 2016
[66] Pasotti, M., Hearing, 16 March 2016
[67] Low, K., Hearing, 16 March 2016
[68] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 50

Opportunity 2: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to engage with the Bureau of Meteorology and the Bushfire and Natural Hazards Cooperative Research Centre to investigate the causes of and effects of pyro-cumulus weather occurrences on bushfire behaviour.

Escalation to a Level 3 Incident

Preparations for the fire to be declared a Level 3 incident had begun prior to the formal escalation. The preparations including activating the preformed Red IMT, commencing the establishment of an ICC at Waroona, and the request for additional resources from DFES and P&W.

The DFES SOC became fully activated by 2200 hours on 6 January 2016.[69] The MOC in Perth, along with the Bunbury, Northam and Manjimup ROCs were escalated at 2224 hours to assist with the provision of resources.[70]

Formal escalation of the fire from a Level 2 to a Level 3 incident occurred at 2215 hours on 6 January 2016.[71] Under Westplan – Fire, any Level 3 fire, being a complex fire in which life and property are at risk, automatically falls under the overall control of the FES Commissioner.[72]

The declaration of a Level 3 incident, and utilisation of section 13 of the *Bush Fires Act 1954,* does not mean that a DFES employee will automatically assume the IC role; rather it provides that the FES Commissioner has the authority to direct the response to the fire.[73] A Controlling Agency can also be appointed. A Controlling Agency is the agency with responsibility, either through legislation or by agreement with the Hazard Management Agency, to control the response activities to an incident.[74]

In the case of the Waroona fire, P&W was the Controlling Agency, and P&W staff continued to be appointed as the ICs for the four Operational Periods immediately following the fire being escalated to Level 3, and for a number of subsequent shifts over the course of the fire.

At 2215 hours, the FES Commissioner's delegate appointed the first Level 3 IC under section 13 of the *Bush Fires Act 1954*. Section 13 of the *Bush Fires Act 1954* provides that the FES Commissioner can appoint an authorised person to take control of all operations to assist in managing an incident. [75]

The Special Inquiry understands that a handover between the initial IC and the incoming Level 3 IC commenced at 2200 at the P&W Mundaring office. The incoming Level 3 IC had been shadowing the initial IC for two hours in anticipation of the section 13 of the *Bush Fires Act 1954* appointment being made.

[69] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 12
[70] Ibid., p. 40
[71] Ibid., p. 12
[72] State Emergency Management Committee, Westplan – Fire, 2013
[73] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 29
[74] SEMC, SEMP 4.1 – *Incident Management*, 2013, p. 7
[75] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 29

At 2225 hours an Emergency Warning was issued for the "Waroona townsite, Alcoa mine site and adjacent private properties in Shire of Waroona". The warning specified an area bounded by: "Willowdale Road, Johnston Road, Somers Road, Coronation Road and Nanga Brook Road including Waroona townsite". This warning was progressively updated through the night.

Establishment of the ICC in Waroona and incoming IMT difficulties

A portable ICC was established on the Waroona oval for use by the incoming IMT early on the morning of 7 January 2016.

On Thursday morning the following transitions occurred concurrently:

- transfer of control from the Mundaring P&W ICC to the Waroona ICC;
- portable ICC buildings established on the Waroona Oval;
- new incoming IMT (first shift on this fire); and
- normal shift change-over (night shift to day shift).

When some members of the incoming IMT arrived to commence their shift, the setup of the Waroona ICC was not yet complete.[76]

Many of the incoming IMT membered suffered delays in arriving at the ICC. Most of the IMT team members were due to commence their shift at around 0600 hours. Many had left their homes around 0400 hours in order to arrive.[77] However, those members of the incoming IMT located to the south of Waroona (being the majority of P&W personnel) faced delays in the form of Vehicle Control Points. The IC did not arrive until around 0900 hours,[78] whilst the Public Information Officer and Alerts Officer arrived between 0800 hours[79] and 0850 hours.[80]

All of the above matters necessarily affected the effectiveness of the handover processes and the smooth commencement of this shift of the IMT. In some cases, shift handover briefings between the outgoing and the incoming IMTs were being done over the telephone. This delay had flow on effects for the remainder of the shift.

FINDING: There were a number of delays and setbacks to the Incident Management Team who were incoming to Waroona on Thursday 7 January 2016. These delays and setbacks were largely outside their control and affected the ability of the Incident Controller to establish the strategy for most of the day.

Management of the Level 3 incident

During the night of 6 January 2016 and early morning of 7 January 2016, the IMT for Operational Period 1 prepared an IAP for the incoming IMT for Operational Period 2.

[76] Wegwermer, T., Transcript, 21 April 2016
[77] Hill, C., Transcript, 18 March 2016
[78] Mair, G., Transcript 18 March 2016
[79] Henderson, P., Transcript, 18 March 2016
[80] Hill, C., Transcript, 18 March 2016

The 'Operations Summary' within the IAP, prepared at 0015 hours on 7 January 2016, noted that the fire was a complex fire, which was uncontrolled and uncontained. The fire was estimated at being 12,000 hectares in size, with a perimeter of 80 kilometres. Less than 10 kilometres of the fire had been tracked.[81]

The Operations Summary noted that there was a very high Fire Danger Rating forecast for the coming day. The 'Incident Objectives' listed within the IAP included to "contain the fire by 2400 hours on 7 January 2016".[82] The strategies to achieve this objective were: "continue to attack the main run of the fire; attack, contain and mop up hop overs as they occur; and utilise aviation resources tactically". The strategy and tactics also included the sourcing and tasking of graders and front end loaders to contain the fire on the coastal plain.[83]

By daybreak on 7 January 2016, it was apparent to some members of the IMT for the first operational period that "it was going to be very ugly":[84] the north-easterly winds forecasted meant that the fire front, which had uncontained flanks, would be entering into inaccessible forest made up of reasonably heavy fuels. As a result of the wind direction and the size and ferocity of the fire, the IMT were concerned about the townships south of Waroona.[85]

Adding to concerns it was reported by the Water Corporation at 0726 hours that power had been lost to the Yarloop town water supply system.[86] This meant that water supplied to Yarloop was gravity fed, which would result in reduced water pressure for the end user. Applications by the Water Corporation to enter Yarloop to reconnect power to the water supply system were rejected by the Operations Officer then, and again at 1300 hours on 7 January 2016.[87] At 1700 hours on 7 January 2016 the Water Corporation reported that there was "no water at Yarloop".

Despite this, the Special Inquiry heard that there was still optimism that the spread of the head of the fire to the west could be tackled in open pasture to the west of South Western Highway to stop the spread in a westerly direction.[88] The Operations Officer noted that a number of assets, being brigade, DFES and private units, along with machinery, were in place to the west of the scarp and could deal with the fire's spread west.[89]

However, evidence given at Special Inquiry hearings by members of the IMTs for both Operational Period 1 and Operational Period 2 suggested that there was little hope among staff on the ground of containing the fire in the immediate future. Operations Officer A conceded:

> *So I guess based on our handover notes [for Operational Period 2 commencing at 0600 hours on 7 January], we were aware that the towns south of Waroona were in a pretty ordinary spot, and what was going to happen to them apart from I guess what we could do to defend them was – we weren't going to be able to stop the impact that*

[81] Incident Action Plan, Shift 2, 7 January 2016, p. 4
[82] Ibid., p. 3
[83] Ibid., p. 4
[84] Pasotti, M., Hearing, 16 January 2016
[85] Ibid
[86] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 45; Submission of the Water Corporation, 11 March 2016
[87] Ibid
[88] Pasotti, M., Hearing, 16 March 2016
[89] Ibid.

was going to happen. It was just a matter of how bad it was going to be, when it was going to be and what we could do about it. But it was probably inevitable at that point.[90]

The resignation to the inevitable described above was, in contrast, not shared by the DFES Duty Assistant Commissioner located in the SOC. He informed the Special Inquiry that when he handed over to the incoming DFES Duty Assistant Commissioner at 0830 hours on 7 January 2016, he thought:

> *... we had a manageable fire. Yes, it was going to take a bit of effort and a bit of grunt, but, you know, kind of, I thought with the ... capability which we had sent down there, with the management structures which were being put into place, with the support of the aerial resources, that – and also with ... a pretty strong boundary ... in the Forrest Highway, that we ... would be able to hold it.*[91]

It is likely that the differences in appreciation of the severity of the fire may be attributable to the different locations of the persons who held them; nonetheless, these divergent views concern the Special Inquiry. The differing views call into question the respective roles of, and the level of communication between, the IMT and the ROC on one hand; and the ROC and the SOC on the other.

The Special Inquiry heard that early on the morning of 7 January 2016, a decision was made to create two divisions on the fire. The dividing line was based on the expertise of each agency. P&W were responsible for fighting the fire to the east of South Western Highway – an area made up of predominantly forest country. DFES were responsible for the west of South Western Highway – an area that contained numerous assets and structures requiring protection.[92] The Western Division Commander also had the Wagerup Refinery within his division.

Phase 3: 0930 to 1830 hours 7 January 2016

Fuels

When the fire entered the third phase east of Muja Northern terminal powerlines, the fire encountered fuels in the jarrah marri forest with a fuel age of 6 to 10 years. West of the terminal the fire encountered more jarrah marri forest with a fuel age of 20 years, including some areas of up to 37 years. There was also extensive areas with rehabilitated mine pits containing fuels of varying ages. South of Willowdale Road, Wagerup, vegetation where the fire burnt through was predominantly native forest with the youngest fuels being 8 years old.

Throughout the morning there was an obvious increase in fire intensity. This intensity was likely a result of older fuels in the fire area. Fire intensity increased later in the morning as it burnt through an area with a fuel age of 20 years or more. In the afternoon the wind became a northerly which had the effect of extending the fire southward along the escarpment to the east of Yarloop.

[90] Pasotti, M., Hearing, 16 March 2016
[91] Gifford, G., Hearing, 24 March 2016
[92] Chick, J., Hearing, 1 April 2016

Throughout the day the fire also remained active in agricultural lands on the coastal plain west of Waroona. The pattern of fire spread on the coastal plain was strongly influenced by factors of land use and conditions of pastures, native vegetation and belts of planted trees.[93]

Planning and protection of Yarloop

West of the South Western Highway was a mix of Fire and Rescue appliances and Bush Fire Brigade tankers. These resources were focussing on the Forrest Highway and around the pine plantations. Some of these appliances were two wheel drive pumpers that had limitations operating in the rural fire environment they were in.

A tongue of fire moved down the escarpment, under the influence of north-east winds, crossing the South Western Highway in a number of locations to the south of Waroona.[94] The fire continued to extend towards the east of Yarloop.

The South West ROC records indicate that by 1430 hours on 7 January 2016 the following resources (in addition to ongoing aerial support consisting of four fixed wing bombers, two helitaks and an aircrane)[95] were deployed to the Waroona fire: [96]

Department of Parks and Wildlife		**Department of Fire and Emergency Services**	
Personnel		**Career and volunteer personnel**	
Ground	157	Ground	234
IMT	64	IMT	16 [97]
Machines/Equipment		**Equipment**	
Grader	1	Trucks	33
Front End Loader	6	Light tankers	23
Dozer	9	Fire and Rescue Service Pumper	6
Water cart	4		
Snorkel	1		
Trucks	36		
Light Tankers	34		

Table 6.1: Resources deployed to Waroona fire as at 1430 7 January 2016[98]

It is not possible for the Special Inquiry to provide a specific breakdown of the exact location of each piece of equipment and all personnel at specific times – this reinforces the need for an emergency services resource management system which allows tracking of personnel, vehicles, plant and aircraft as discussed later in this chapter.

Table 6.1 is the most concise breakdown of resources deployed to the Waroona fire provided to the Special Inquiry. The Special Inquiry notes that the disparity in the number of IMT staff between P&W – 64 – and DFES – 16 – doesn't reflect a fully balanced multi-agency IMT.

[93] McCaw, N., et al, op. cit.
[94] McCaw, N., et al, op. cit.
[95] DFES, *Commissioner's Briefing Note 1600 hours*, 7 January 2016, p. 4
[96] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 51
[97] Page 51 of the DFES and P&W Joint Agency Operational Audit stated that DFES had '1' person in the IMT at this time; the Special Inquiry received subsequent information that the correct number was 16.
[98] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 51

Recognition of the threat to Yarloop

The Special Inquiry has found that there was some awareness of the threat the fire posed to Yarloop at least 24 hours before the fire impacted the town.

The DFES Duty Assistant Commissioner in the SOC informed the Special Inquiry that in the handover he received when he commenced his shift at 1655 hours on 6 January 2016, he was informed:

> *WITNESS: ... resource planning was underway and a contingency plan had been developed with regards to the rural urban interface around Yarloop and Waroona."*
>
> *SPECIAL INQUIRER: The specific mention around Yarloop and Waroona – so someone specifically said that there was a strategy for rural urban interface operations?*
>
> *WITNESS: Correct.*[99]

The Special Inquiry also received evidence that the IMT, or at least some members of the IMT, considered the vulnerability of Yarloop during the early stages of the fire. In addition to general concern for the townsites south of Waroona, Operations Officer A identified the following item as one he needed to discuss on handover:

> *Also need to do some triage and planning for fire impact to Yarloop and south if northerly influence takes effect.*[100]

Whilst the Operations Officer cannot recall to whom or when this information was imparted, he believes that it was shared.[101]

At the request of the Waroona CBFCO, the Harvey CBFCO gathered a small Task Force of local tankers and positioned them in and around Yarloop, but particularly to the north of Yarloop. This action would suggest that volunteer firefighters were aware of the risk posed by the fire to the township of Yarloop.

The IAP for Operational Period 3, prepared at 1700 hours on 7 January 2016, noted that there was "fire around Waroona and Yarloop townsites and threatening Preston Beach".[102] It also noted that:

> *There has been little progress possible on the southern boundary of the fire east of Waroona and a major effort will be required to track and contain this flank of the fire.*[103]

The same IAP lists the townsites of Waroona, Hamel, Yarloop, Cookernup, Harvey, Preston Beach, Myalup and Binningup as being significant assets in the area that were under

[99] Gifford, G., Hearing, 24 March 2016
[100] Pasotti, M., Hearing, 16 March 2016
[101] Ibid.
[102] Incident Action Plan, Shift 3, 7 January 2016, p. 4
[103] Ibid

threat by fire, and had a high priority for action. It is noted in the IAP that the protection of life takes precedence over assets.[104]

On the afternoon of 7 January 2016, the IMT were facing a very large and complex fire with multiple areas of concern. For the division west of the South Western Highway, areas of concern included Lake Clifton, Preston Beach, Myalup, Cookernup, Yarloop and the Forrest Highway.[105]

FINDING: During Thursday 7 January 2016, the Incident Management Team were confronted with a large number of concurrent and immediate priorities. The significance and potential of the threat to Yarloop and Cookernup during Thursday evening was not fully appreciated by the Incident Management Team. As a result, additional resources were not dispatched to Yarloop until after the severe wind event that occurred between 1930 to 2000 hours.

Protection of the Yarloop township

The 'Spot Weather Forecast', issued by the Bureau of Meteorology at 1459 hours on Thursday 7 January 2016 for the Waroona fire area, forecast an 1800 hours temperature of 34 degrees, a relative humidity of 23 percent and 1800 hours winds (at 10 metres) as: 'ENE 15-25 km/h'. Under the heading 'Significant wind changes and uncertainties associated with the forecast' the Spot Weather Forecast states: 'Variable gusts to 90 km/h possible with thunderstorms'. The Forecast also states: 'Winds are forecast to tend to E/NE'ly and fresh gusty again overnight'. The Spot Weather Forecast indicated ENE winds increasing to 40 kilometres per hour, gusting to 60 kilometres per hour at 0300 to 0600 on the morning of Friday 8 January 2016.

The Divisional Commander for the division west of the South Western Highway was aware of this forecast and that there might be a thunderstorm which might create some erratic winds. The Divisional Commander agreed that this is not uncommon with a thunderstorm.[106] However, the Divisional Commander went on to explain that:

> *... the wind conditions through the first – what I would say the first three to four days of that incident were extremely erratic. They were very strong. One part of the fire would report that the fire – the wind conditions going in one direction, the next sector would actually report it going in a 45 completely opposite direction. So the weather conditions were very – extremely unpredictable at that point, and it made it very difficult for us to have an idea of where exactly this fire could well have been at that point and where it was going to go.*[107]

By 1500 hours on 7 January 2016, the fire was reported as being three kilometres north and five kilometres east of Yarloop.[108]

Construction of an earth break along existing powerlines east of Yarloop by a grader supported by firefighting vehicles commenced mid-afternoon. This was commanded by the

[104] Ibid., p. 11
[105] Wegwermer, T., Hearing, 21 April 2016
[106] Ibid
[107] Ibid
[108] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 14

CBFCO for the Shire of Harvey.[109] During this time it is estimated that there were 11 firefighting vehicles and 55 firefighters in and around Yarloop.

It is reported that from 1700 hours, the winds became constant east-south-easterlies, pushing the fire closer to Yarloop. The winds continued to rise in strength over the next two and half hours.[110]

Phase 4: 1830 to 2400 hours 7 January 2016

Fuels

When the fire entered the final phase it was mostly burning on freehold land which included extensive areas of remnant native forest, partially cleared lands with pasture, a vineyard and other agriculture enterprises. On the eastern side of the Yarloop townsite there were a number of small crown reserves established for a variety of purposes including a rifle range, nature reserve, recreation, road verge and rubbish pit.

Bushland around Yarloop is typically an open forest of jarrah with dense mid-storey of flowering trees and a well-developed under-storey of shrubs. The recent fire history of this area is not well documented, but local knowledge indicates that most of the bushland around Yarloop has not been burn for at least 20 years, with the exception of a small nature reserve at the southern end of the townsite and west of the South Western Highway that was burnt by a P&W hazard reduction burn in May 2015.

During the evening of 7 January 2016, the rate of fire spread increased as the fire came into areas with older fuel loads. The extreme fire behaviour in heavy fuel loads caused massive spotting that impacted Yarloop resulting in the ignition of a large number of buildings in a very short time.

The rapid escalation of the fire behaviour experienced at Yarloop was reflected across the western side of the fire. This included the east of Waroona in the Lake Navarino area and west of Waroona on the coastal plain, where the fire made a major run through McLarty pine planation and the Yalgorup National Park. This run was interrupted by Lake Preston, although spot fires landing on the western side of the lake ignited costal heathland that continued to burn westwards until it reached bare dunefields.[111]

The Fire impacts Yarloop

At 1830 hours, the fire was reported to be one to two kilometres both north and east of Yarloop. Immediately prior to Yarloop being impacted, consideration was being given to thickening the powerline firebreak. This plan was abandoned as changing conditions meant all firefighting east of Yarloop had to cease – crews were pulled back to the South Western Highway for safety.[112]

[109] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 15
[110] McCaw, N., et al, op. cit., p. 31
[111] McCaw, N., et al, op. cit.
[112] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 15

The Special Inquiry heard that prior to 1830 hours the Harvey CBFCO communicated with the DFES Incident Control Vehicle in Waroona a request for extra firefighting units for asset protection. [113]

The Harvey CBFCO advised the Special Inquiry during a hearing that:

> *... they [the Incident Control Vehicle personnel] noted that I had called and they said they would take it to the [operations] officer and ... get back to me.*
>
> *I called again probably just prior to – it would have been – yes, it would have been half-seven and requested the same and then the next time that I called them I actually stated that we had multiple structure fires and I still hadn't had a response from the first [request].*[114]

The DFES Deputy Operations Officer advised the Special Inquiry that he only became aware of this request through an "overheard conversation while moving around in the ICC".[115] The Deputy Operations Officer informed the Special Inquiry that:

> *... [the Harvey CBFCO] was requesting support, but [he] wasn't actually within the structure.*[116]

The Special Inquiry understands that the comment that the Harvey CBFCO wasn't 'within the structure' refers to the fact the Harvey CBFCO was working on the fire but was not fulfilling a position within the IMT structure. As a result, he was not reporting through a Divisional Commander. It would seem that the Harvey CBFCO's position and the significance of his request was not recognised by the Division Commander or the IMT Operations structure.

This highlights the need for an improvement in the recognition of local knowledge, and the inclusion of local firefighters (especially Fire Control Officers and CBFCOs) in the IMT structure – particularly in Operations. This also reinforces the need for a resource management system that enables increased visibility of resources on the fire ground.

The Special Inquiry understands the resource request was discussed, but was not fulfilled. The DFES Deputy Operations Officer advised the Special Inquiry that there were no Fire and Rescue resources available on the east side of the fire that could have been redeployed to assist the Harvey CBFCO.[117]

FINDING: On the evening of Thursday 7 January 2016, there was a delay in recognising, and in providing the additional firefighting resources that were requested by the Harvey Chief Bush Fire Control Officer for the protection of Yarloop.

[113] Penny, P., Hearing, 10 March 2016
[114] Ibid
[115] Norman, P., Hearing, 24 March 2016
[116] Ibid
[117] Ibid

Shortly after 1900 hours fire behaviour along the south west flank of the fire was reported to escalate rapidly due to extremely strong winds. This wind blew out all containment lines around Yarloop:

> *SPECIAL INQUIRER: So there had been reports that the fire, you know, went through from one end of Yarloop to the other in seven minutes, which is incredibly rapid time. But is – I mean, was it seven minutes or do you think it was a little bit longer than seven minutes?*
>
> *WITNESS: Probably seemed like seven hours on the night, but the initial – I guess, the initial attack, which was basically a gust of wind which – it could have been 100 kilometres an hour. It could have been more. It could have been less. Bit hard to – bit hard to tell. But it was – it was unbelievably hot. And that, sort of, lasted 10 seconds, maybe longer. And the ember attack, basically, followed straight after that. And that was – look, I – yes.*[118]

FINDING: Sometime between 1900 hours and 2000 hours on Thursday 7 January 2016 a strong easterly wind event affected the fireground. This was particularly felt at Yarloop. On advice from the Bureau of Meteorology, the origin of this wind event was a pool of hot, dry air that had originated east of the fire (in the Great Southern weather district) earlier in the day.

At this time it is understood that approximately 11 vehicles – being Bush Fire Brigade and P&W vehicles – and 55 firefighters were positioned in Yarloop.

The Special Inquiry has received evidence that residents in and around Yarloop, as well as in other areas affected by the fire, did not see any fire resources putting out the fire as it neared their property.

A submission the Special Inquiry received from a Yarloop resident noted:

> *We certainly had no support from fire units at our place… No effort was made to control the fire prior to it reaching Yarloop or our place.*[119]

Another Yarloop resident advised the Special Inquiry that:

> *I drove up to the fire front and measured it back to our property. There were no fire units in the area that I saw nor heard on the radio. I should point out that this is the fire front that I believe travelled down the hill to the west of me and through Yarloop.*
>
> *At about 6.30pm [on 7 January] I decided to ring 000 … [to] ask for fire [fighting assistance] and after a short time was connected to a fire controller. I asked if she was in Waroona and she said she was in Perth. After some direction onto a map with her I was able to indicate that the fire front was 2 kilometres east of my property and on the south side of Hoffman Road. I estimated it would be at my place in the hour. The fire controller announced she was not aware of a fire front in that location.*

[118] Penny, P., Hearing, 4 April 2016
[119] Submission of member of the public 44

Shortly after my call we had several drops from heli attack before they had to leave pending last light. Sadly although it was nice to see them it had little effect on the inferno.[120]

The Special Inquiry also received numerous accounts of idle equipment during the Waroona Fire.

From the evidence available, it is difficult to conclude whether there were any suitable resources able to be deployed to Yarloop. There clearly were resources the question is whether they were able to be deployed. It is also unclear why they needed to be on the west side of South Western Highway, they could have come from anywhere.

A ferocious fire

The Special Inquiry received numerous reports of the ferocity of the fire as it approached Yarloop at approximately 1930 hours. The extreme fire behaviour caused massive spotting and ember attack which resulted in the ignition of many buildings in Yarloop within a very short period of time.[121]

Many houses ignited simultaneously, overwhelming the firefighters and small number of residents who remained. Tragically, two residents lost their lives when they were sheltering in their homes. Some Yarloop residents who had not left town sought refuge in their cars on the oval at Yarloop. Some firefighting appliances deployed to the oval to assist residents sheltering there.

At 1935 hours, the first Emergency Warning that explicitly mentioned Wagerup, Yarloop and Cookernup was issued.

The Special Inquiry heard from Operations Officer A, who was at the ICC at the time the fire impacted Yarloop awaiting handover from the Operations Officer B. He stated that he believed the firefighting crews in Yarloop were overrun because:

... in my mind, because they tried – they were trying to establish an anchor point halfway along a flank and then work into the wind upslope out – up the scarp. It's just completely ineffective. They were never going to have a long-term win. So the fire we had was too strong to make that viable. That could be viable if it was a really mild, high humidity, benign fire behaviour. You could do that. But it wasn't. It was running hard. So there was no anchor point.[122]

Despite the suggestion above that the strategy being applied may have been ineffective, the Special Inquiry heard many accounts of the unexpected escalation and ferocity of the fire at the time it impacted Yarloop, which rendered it extremely difficult to defend.

SPECIAL INQUIRER: So I think – and I don't want to put words into your mouth – but would you agree that Yarloop was undefendable?

[120] Ibid
[121] McCaw, N., et al, op. cit., p. 32
[122] Pasotti, M., Hearing, 16 March 2016

WITNESS: Given what I know of Yarloop and in terms of its preparedness and its setting and the nature of most of the buildings and the fire, the nature of the fire that came through there, I would agree with that. It was undefendable, certainly on the eastern side – yes – the eastern side of the town that took the brunt of the impact.[123]

The Operations Officer B told the Special Inquiry:

... at one stage every single boundary was a head fire when, you know, it went through Yarloop. Like, the whole thing just exploded in a massive downdraught.[124]

This is reinforced by his Deputy Operations Officer – a DFES firefighter with over 25 years of experience – who told the Special Inquiry that:

... in my experience, I've never seen an event like it. On that falling sunset and the wind event – the increase of winds to, in my estimation, 80 to 100 kilometres an hour all around that 8 o'clock nightfall period that ... the fire just jumped every direction – north, south, east and west.

Never seen anything like it from a fire that was pretty well controlled, being tracked, that we were comfortable with, other than one area that didn't pose any risk to community, and, as I said, as my notes said at 8 o'clock, we just had multiple hop overs on every containment line, so –yes. I haven't seen anything like that.[125]

At 21+-00 hours on 7 January 2016, an emergency situation for the Shires of Waroona and Harvey was declared by the DFES Commissioner's delegate under section 50 of the *Emergency Management Act 2005*.[126]

Losses and damage

The Special Inquiry acknowledges the assistance provided by various agencies and bodies in collating the cost of losses and damages arising from the Waroona fire. It is recognised that these costs are indicative at the time of writing – further costs will arise as the recovery continues.

The information below provides an overview of some of the losses sustained in the loss and restoration of assets, infrastructure and services. It is also acknowledged that there will be many costs, including uninsured losses, which will be considerable but difficult to quantify.

Total area burnt:	69,165 hectares
Private property area burnt:	31,180 hectares
Public land area burnt:	37,985 hectares
Forest Products Commission plantation burnt:	3,300 hectares
Fatalities:	2
Buildings	181 (166 dwellings in Yarloop)

[123] Mair, G., Hearing, 18 March 2016
[124] Chick, J., Hearing, 1 April 2016
[125] Norman, P., Hearing, 24 March 2016
[126] Declaration made under section 50 of the *Emergency Management Act 2005* dated 7 January 2016

Costs incurred and / or damage estimates

Agency	Type of cost		$ Dollar value
Department for Child Protection and Family Support	Response Recovery Other **Total**	422,087 299,180 997,800	**1,719,067**
Department of Parks and Wildlife	Employee costs Accommodation, food etc Aviation fuels Aircraft costs Fleet costs Other general items Contractor machinery **Total**	2,815,652 1,712,137 208,286 736,256 609,804 360,458 3,531,611	**9,974,204**
Department of Fire and Emergency Services	Air operations Employee costs Fleet Contractor, accommodation Burnt pumper Contribution to LGA costs Administration and general **Total**	2,178,000 956,000 103,000 114,000 755,000 50,000 591,000	**4,747,000**
Department of Agriculture and Food WA	Employee costs Operating Expenses, Equip Stock Fencing Dairy Bee Hives Pasture Horticulture (vegetables & citrus) Vineyard **Total**	 116,500 15,800 700,000 7,900,000 300,000 17,400 1,300,000 to 3,600,000 693,000 to 763,000 2,150,000 to 2,250,000	**13,192,700 to 15,662,700**
Water Corporation	Incident response Recovery activities Incident recovery revenue lost **Total**	678,193 596,253 233,370	**1,507,816**
WA Police	Employee costs, travel and accommodation		**826,000**
Western Power	Cost of repair to electrical distribution infrastructure **Total**		**26,000,000**
Main Roads WA	Samson Brook bridge Traffic Control Repairs and maintenance **Total**	1,025,000 585,000 431,000	**2,041,000**

Agency	Type of cost		$ Dollar value
Shire of Harvey	Loss of Building and contents Road infrastructure Clean-up and site safety Other costs **Total**	9,277,900 561,000 1,779,000 1,223,000	**12,840,900**
Shire of Waroona	Employee costs Verge clearing and tree works Forecasted costs Other costs **Total**	178,970 271,360 250,071 145,715	**846,116**
Forest Products Commission	Direct losses to the timber industry [127]		**8,000,000**
Insurance Council of Australia	Estimated loss value [128]		**71,000,000**
		Total	**152,667,893 to 155,164,803**

Table 6.2: Costs incurred and / or damage estimates

FINDING: The loss of life, loss of houses and damage in Yarloop on 7 January 2016 were directly attributable to the fire.

[127] Gartry, L., *Waroona bushfire damage to pine plantations to cost WA economy up to $50m*, 15 February 2016, http://www.abc.net.au/news/2016-02-15/waroona-bushfire-damage-to-pine-plantations/7170034

[128] Insurance Council of Australia, *Victorian Bushfire Losses Push Summer Catastrophe Bill Past $550m,* 25 March 2016, http://www.insurancecouncil.com.au/media_release/plain/357

Chapter Seven - Fuel Management and Fire Prevention

If you don't have fuel load you just can't have a wild fire.[1]

What is fuel management? – Leaves, twigs & trees

Fuel management is the cornerstone of every issue relating to the Waroona fire.

Fuel is the accumulation of live and dead vegetation, including twigs, leaves, bark or shrubs, which can be consumed during a fire. Forests naturally accumulate fuel. Various native species are adapted to fire and promote periodic fire by shedding flammable bark, leaves, twigs and branches.

The structure of fuels can be described as follows:

- litter level: exists at the bottom of the structure, consisting of dead leaves, fallen bark and twigs;
- shrub level: sits above the litter level, consisting of small trees and shrubbery; and
- crown level: is the top level, consisting of tall trees.

Most fires will typically burn at the litter and shrub levels. When there is sufficient intensity, some fires will be carried aloft to burn at the crown level ("crowning").

Fuel management techniques include scrub rolling, physically removing fuel, slashing and hazard reduction burning. Hazard reduction burning is the most prevalent form of forest fuel management used by natural resource managers.

The aim of conducting a hazard reduction burn is to reduce both the likelihood and intensity of a fire.

There are two areas of priority for hazard reduction. First, asset based hazard reduction conducted to protect highly valued assets including houses, critical infrastructure and town sites. Secondly, broad scale hazard reduction which is intended to manage fuel loads across the landscape.

Generally, legislation provides that the person or organisation responsible for fuel management is the owner of the land.

Indigenous practices – Fire is part of Australia's history

Bushfire has shaped the Australian landscape. When Europeans discovered and colonised Australia in 1788 the Aboriginal people occupied the whole of the Australian continent. There were over 400 tribal groups who all had one common technique for survival and managing the land: - fire.

[1] Ierace, J., Hearing, 9 March 2016

It is important to acknowledge the expertise in fire management Aboriginal people possess in their culture. Bill Gammage described:

> *Nothing shows so powerfully how crucial land care was. This was no casual burning. It was a mortal duty, a levy on the souls of brave men and women. In the driest and most fire prone continent on earth, abundance was natural. It was made by skilled, detailed and provided management of country.*[2]

Luke and McArther (1977) say that:

> *Fires lit by them (Aboriginals) spread widely in many parts of Australia. When lightning is considered also, it seems reasonable to believe that fire occurred frequently in most seasons and extensively in dry seasons following above average rainfall. It can also be concluded that fuel seldom accumulated to the same extent as it has during the period of European settlement.*[3]

The Special Inquiry received evidence that jarrah forests in the South West of Western Australia were burnt by Aboriginal people every three to four years.[4]

Periodic fire is part of the natural environment across much of Western Australia. Using fire to manage the land is therefore part of the Australian landscape and part of the Australian heritage. Traditional Aboriginal fire techniques may help inform how best to use fire on the land.

Why are hazard reduction burns important?

> *Failure to act on reducing bush fuel loads will have an inevitable result in yet another unstoppable, cataclysmic firestorm busting from the bush as a tsunami of flame, smoke and embers.*[5]

For a fire to burn, you must have three things oxygen, heat and fuel. To control a fire you need to remove one of these elements. The Special Inquiry accepts that the reason why hazard reduction burning is so important is because, of these three elements, in the natural environment fuel is the easiest to modify or remove.

The underpinning principle, supported by research, is that fires that occur in fuel-reduced areas burn less intensively, cause less damage and are easier to control. [6] Existing research is supported by evidence provided to the Special Inquiry by P&W which compares the extent of prescribed burning with the size of bushfires occurring. Figure 7.1 below shows that since the 1960s the decline in areas subject to a hazard reduction correlates to an increase in the area burnt by bushfire.

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[2] Gammage, B., *The Biggest on Earth. How Aborigines made Australia,*, Allen & Unwin, Sydney, 2012, p. 434
[3] Luke, R.H & McArther A.G Bushfire in Australia. Australian Government Publishing Service. Canberra, 1978, p. 359
[4] Submission of member of the public 61
[5] Submission of member of the public 72
[6] Burrows, N., & McCaw, L., 'Prescribed burning in southwestern Australia forests', *Frontier in Ecology environment,* vol. 11, no. 1, 2011, pp.25-34. p.28; Burrow, N. *More burning, Less Fire: A Discussion Paper,* Department of Environment and Conservation, Science Division, November 2012; Submission of P&W

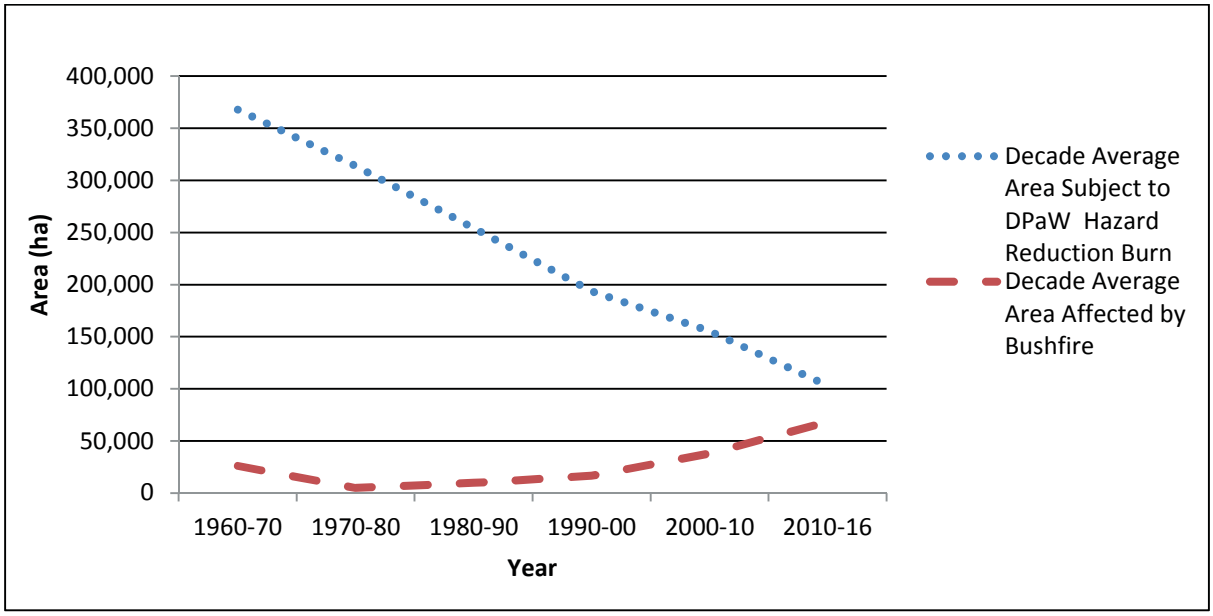


Figure 7.1: Department of Parks and Wildlife hazard reduction burns and bushfire decade average area burnt since 1960

The Special Inquiry notes that fuel management, hazard reduction burning and the ecological effects of fire are all still the subject of considerable discussion and research effort, both in Australia and across the world. The Special Inquiry received a number of views on this point.

For example, one concern raised was the possibility of a hazard reduction burn escaping thereby putting life and property at risk, like the November 2011 Margaret River bushfire.

The Special Inquiry notes that over the last decade only about 2% of hazard reduction burns have escaped and in most cases the burns which do escape have been quickly contained.[7]

Other critics of hazard reduction burning acknowledge that fire, as a tool of hazard reduction, has a place:

> *If it [hazard reduction burning] is very carefully targeted with a very specific outcome in mind in terms of protecting a particular community asset or whatever, then, okay, maybe prescribed burning has a role to play there.*[8]

It is the view of the Special Inquiry that the use of hazard reduction burning remains the best practice to reduce the severity of fire over broad forest landscapes. The Special Inquiry strongly urges a recommitment to the principles and philosophies of hazard reduction burning around assets. Ongoing discussion on hazard reduction burns should be led by researchers and land management practitioners.

[7] Burrow, N. *More burning, Less Fire: A Discussion Paper,* Department of Environment and Conservation, Science Division, November 2012
[8] Robertson, P., & Shultz, B., Hearing, 11 March 2016

P&W – Unable to meet targets

Really it's about controlling their bloody parks fuel load. That's all it's about, mate.[9]

A large proportion of the area burnt by the Waroona fire was State Forest land managed by P&W.

P&W is the lead agency responsible for conserving native flora, fauna and natural ecosystems across 114 million hectares of land or 45% of Western Australia, an area larger in size than New South Wales, Victoria and Tasmania combined.

Under the *Conservation and Land Management Act 1984* (CALM Act) P&W manages land including:

- national park;
- regional parks;
- State forests;
- time reserves;
- nature reserves;
- unallocated Crown land; and
- unmanaged reserves outside town sites and across the State.

Fire management, including conducting hazard reduction burns, forms a large part of P&W's statutory responsibility.[10] P&W uses hazard reduction burns for the purposes of:

- maintaining biodiversity;
- mitigating the severity of bushfires and to help protect lives and property by reducing the build-up of flammable fuel loads;
- rehabilitating vegetation after disturbance, such as timber harvesting and mining; and
- undertaking research on fire and its interactions with our environment.

Policy context

To understand how the role and responsibility of fire management is developed in P&W it is important to examine the historical context in which P&W has operated.

Pre-the 1961 Dwellingup Fire

Following European settlement in Western Australia in 1829 there was little to no attempt to deal with bushfires. This changed with the passage of the *Forests Act 1918* and the creation of the Forests Department in 1919.

Under the guidance of the *Forests Act* and Forest Department, throughout the 1920s bushfire prevention focused on an approach of 'fire exclusion'. Rather than use fire as a management tool, fire exclusion consisted of dividing forest into smaller plots through the creation of a network of tracks. These tracks did little to prevent the spread of bushfire.[11] By the 1930s

[9] Ierace, L., Hearing, 10 March 2016
[10] Section 33(1)(aa) of the *Conservation and Lands Management Act 1984* (WA)
[11] Submission of P&W

the policy of fire exclusion was disregarded as the number of uncontrolled bushfires had increased.[12] Between 1930 and 1954 there was no clear fire policy.

In 1954 the Forests Department introduced a policy of broad scale hazard reduction burning to manage the build-up of fuels. These initial burns mainly took place in the northern jarrah forest of the South West of Western Australia over winter. Little was done elsewhere in the southern forests area to manage fuel build up. The primary reason was because of a lack of access and the difficulty of predicting fire behaviour in karri and karri-tingle forests.

Post the 1961 Dwellingup Fire

The lack of any clear fire prevention policy in the South West of Western Australia culminated in the devastating Dwellingup bushfire of 1961. Like the Waroona fire, the Dwellingup fire was caused by a series of lightning strikes and strong hot winds, leading to an area of 350,000 hectares being burnt. This included the town of Dwellingup and the smaller settlements of Holyoake, Nanga Brook and Karridale. While there was no loss of human life, there were significant losses of houses, buildings, infrastructure, pasture, stock and fencing.

In the wake of the 1960/61 fire season and the Dwellingup fire a Royal Commission was held. The report of the Commission contained many recommendations concerning measures necessary to prevent and control bushfires. The following recommendation is considered to be the most significant:

> *The Forest Department is to make every endeavour to improve and extend the practice of control burning to ensure that the forests receive the maximum protection practical consistent with silvicultural requirements.*

This recommendation did not represent a new fuel management policy, but rather reinforced and gave credence to the practice of small scale burns which the Forests Department adopted in 1954. In response to the Royal Commission's recommendation the Forests Department commenced a comprehensive fire behaviour research program to investigate new techniques for fuel reduction burning.[13] This approach also included the introduction of aerial ignition techniques.[14]

The hazard reduction burning program became progressively better planned, taking into account a wide variety of factors including community protection, forest management objectives, protection of rare fauna and flora, visual amenity along tourist routes and smoke management.[15] Up until the 1980s an average area of 300,000 hectares was consistently subject to hazard reduction programs.

[12] Submission of P&W
[13] Bushfire Front, 'Forest Fire History', 2012, http://bushfirefront.com.au/bushfire-problems/fire-management-on-public-lands
[14] Submission of member of the public 39
[15] Bushfire Front, 'Forest Fire History', 2012, http://bushfirefront.com.au/bushfire-problems/fire-management-on-public-lands

Old growth forests

Since the 1990s there has been a decline in the number of hazard reduction burns conducted. The Special Inquiry was provided with several explanations which explain the decline in hazard reduction burns:

- increase in red tape for conducting fuel reduction burns;
- less money being set aside for State and local agencies to conduct fuel reduction burns; and
- fewer experienced State agency staff capable of conducting fuel reduction burns.

The decline in hazard reduction burning can also be attributed to changes in forest policy in old growth forests. In the late 1980s there was a push from the community to establish national parks and nature reserves as a way of protecting old growth forests. [16] The success of these movements saw the creation of the Shannon National Park and Lane Pool Reserve in the 1980s.

An unintended consequence of this change in forest policy is that the forest industry, which had previously played a significant role in fire suppression and hazard reduction burning, was no longer the fire management resource that it once was.

From 2000 onwards large uncontrollable wildfires burning in forests with heavy fuel loads have become more frequent.

It is of fundamental importance that, in establishing policies for the management and protection of old growth forests in Western Australia, fire management continues to be an overarching priority. The trend for increasing size and intensity of forest fires shows that a failure to practise effective fire management results in significant damage to biodiversity and visitor experience, along with impact on built assets, infrastructure and residents of forest communities. Derogation of the duty to manage fuels properly ultimately results in consequences whose measure goes well beyond dollar value.

P&W hazard reduction burns – Current approach, performance, comments

Current approach

Hazard reduction burning continues to be a fuel management tool utilised by P&W. The Special Inquiry concurs with the following statement submitted by P&W:

> *The extent of prescribed burning undertaken over the past 55 years in South West Western Australia has enabled fire managers to achieve a high level of protection for community assets and natural values on and near the lands managed by P&W. There have been numerous examples where the fuel reduction burning program has resulted in relatively rapid containment of bushfires and significant saves, even under extreme fire weather conditions.*[17]

[16] Submission of Hon Wilson Tuckey MP
[17] Submission of P&W

In accordance with the Code of Practice for Fire Management (Code of Practice), P&W develops fire management plans, where necessary, for specific areas, and ensures the integration of hazard reduction burns with other land management activities to achieve identified land management goals.

P&W's current approach to fire management is outlined in a range of plans and policies under the CALM Act. In particular, *Policy Statement No. 19* and *Policy Statement No. 88* contain the fire management objectives of P&W. Broadly these policy documents make a number of statements relating to risk management, use of fire, fire suppression, bushfire prevention and fire research.

Of particular importance is Point 5.1 in *Policy Statement No.88* which provides that P&W:

> *will use prescribed burning to reduce fire-related risk to communities and built and natural assets at both the local scale and landscape scale, and also to achieve biodiversity conservation, forest silviculture, research and other land management objectives.*[18]

Performance

In performing annual hazard reduction burns P&W is the only government agency to have a fuel reduction target, which is 200,000 hectares per annum. This figure is informed by the science that:

> *We (P&W) need to burn at least 8% (of public forests land area) per annum, otherwise we are going to see a steep increase in area burnt by wildfire, and if more area is burnt by wildfire, then the risk to the community increases, not to mention damage to the environment, ecosystem and biodiversity.*[19]

To achieve a target of 200,000 hectares P&W recognises three different Land Management Zones:

- Land Management Zone A (LMZ A): an area within 3.5 kilometres of a built asset. LMZ A has an annual hazard reduction burn target of 20,000 hectares.
- Land Management Zone B (LMZ B): an area between 3.5 kilometres and 11 kilometres away from an asset. LMZ B has an annual target of 40,000 hectares.
- Land Management Zone C (LMZ C): all other areas (in the landscape). LMZ C has a target of 140,000 hectares per annum.

Completing burns in LMZ A and B is given the highest priority because of the fuel load's relative position to an asset.[20]

[18] P&W, *Corporate Policy Statement No. 88,* December 2015, Part 5.1
[19] Burrow, N. *More burning, Less Fire: A Discussion Paper,* Department of Environment and Conservation, Science Division*,* November 2012, p. 1
[20] Sharp, J., Hearing, 7 April 2016

Figure 7.2 below demonstrates that since 2003/04, P&W has only once been able to achieve its burning target for one land management zone.

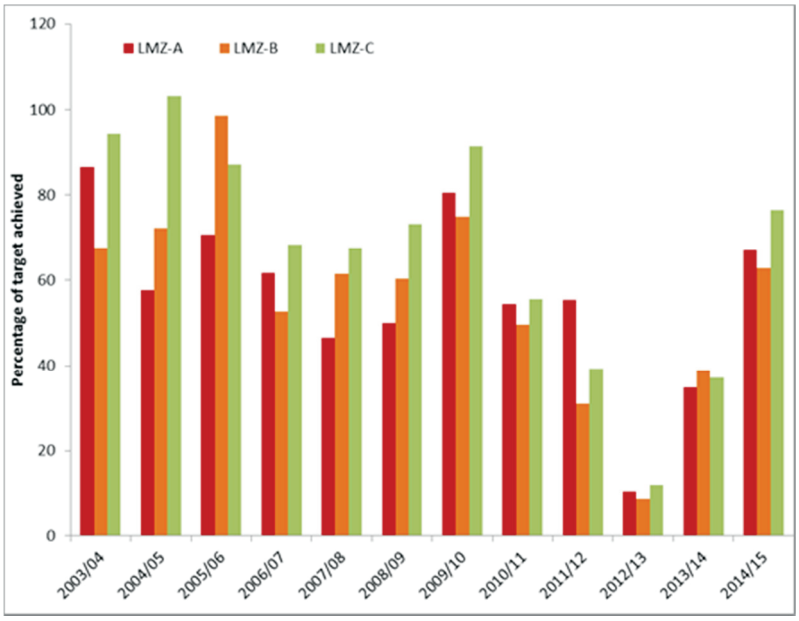


Figure 7.2: Proportion of the prescribed burning target achieved in each Landscape Management Zone since 2003/04

Of note in the above graph is the particularly low percentage of the target achieved for all land management zones in the 2012/13 and 2013/14 burn seasons. This is attributable to the moratorium placed on the then Department of Environment and Conservation in response to escapes of hazard reduction burns near Margaret River in November 2011.

As evident in Figure 7.2, P&W annual hazard reduction burning targets continue to be elusive. The consequence is that there is an accumulation of unburnt fuels. This adds a 'backlog' that needs to be considered when planning future burn targets. Disturbingly, there seems to be no structured process to recognise areas that have been planned for burning but where the burn is not achieved (the 'backlog'). For example if only 180,000 hectares are burnt in one year, P&W does not adjust the new annual burn target for the following year (to catch up on this backlog) at 220,000 hectares. The target of 200,000 hectares remains a constant, irrespective of previous years' achievements (or under-achievements).

P&W have submitted that, to assist in addressing this accumulating fuel load, P&W was allocated $20 million over 4 years in May 2015 from the Royalties for Regions (RfR) fund. These funds have been directed towards improved flexibility and movement of personnel and resources across the south west, and the engagement of contractors to assist with hazard reduction burns. From May to December 2015, P&W achieved 131,224 hectare of hazard reduction burning, a significant increase in achievement compared to the previous year's achievement over the same six month period.

The allocation of RfR funds is a positive recognition by Government of both the importance of fuel management and the resources required by P&W to address its responsibilities. There is no guarantee that this funding will be available to P&W in future years. The Special Inquiry strongly suggests that the ability of P&W to meet its burn target across any of the Land Management Zones and to treat the current backlog is totally dependent on

sufficient funding being sustained and additional funding being made available to address this backlog.

In discussions with senior P&W officers on this matter, they reinforce that there is an overarching fuel load strategy that they are striving to achieve. The strategic objective is that a fuel age of less than six years will be maintained across 45% of the landscape on State Forest, National Parks and other Parks and Wildlife managed lands in the South West and Perth Hills. The Director General has assured the Special Inquiry that, over the next five years, if the strategic objective is met, then the 'backlog' will also be dealt with.

The Special Inquiry supports the P&W strategic objective for fuel age on P&W land in the South West. It reinforces the need that the burn targets and the fuel age profile must be monitored and reported on at least an annual basis.

Recommendation 2: The Department of Parks and Wildlife to plan for the highest priority hazard reduction burning effort around settlements and critical assets in the South West and Perth Hills. The annual objective is to treat a total of 60,000 hectares of priority hazard reduction per annum, comprising 20,000 hectares per year of Land Management Zone A and 40,000 hectares per year of Land Management Zone B.

Recommendation 3: The Department of Parks and Wildlife to continue emphasis on landscape hazard reduction burning with the annual objective of treating 140,000 hectares per annum in Land Management Zone C. In combination with Recommendation 2 (above) the strategic objective will be that a fuel age of less than six years will be maintained across 45% of the landscape on State Forest, National Parks and other Parks and Wildlife managed lands in the South West and Perth Hills. This will address the current backlog (created from under achievements of the recent two decades of burn programs) by the end of the 2020-2021 burning season (i.e. within the next 5 years).

A General Comment on P&W

P&W has the lead role in responding to and suppressing bushfires on P&W managed land, aside from the Perth metropolitan region and in DFES gazetted fire districts. P&W works collaboratively with DFES in combating bushfires. In the South West of Western Australia, P&W has significant firefighting capabilities and is currently supported by the Forest Products Commission (FPC) and volunteer Bush Fire Brigades.

The Special Inquiry received a written submission from P&W and was provided with additional information over several meetings, and held a hearing with its Director General.

The Special Inquiry also had a number of meetings with P&W staff. Elsewhere in this report, the two unions that represent P&W employees have also given evidence and provided submissions in relation to P&W resourcing and fatigue management.

The Special Inquiry was impressed with the professionalism, approach and conduct of the P&W burning program. This includes evidence provided by P&W bushfire researchers. Whilst succession planning continues to be a challenge for P&W, the level of expertise within the agency (particularly since the 2011 Margaret River burn escape) was commendable. The Special Inquiry is of the view that the person, body or agency responsible

for the management of public land should also retain responsibility for managing fuels on that land. This is consistent with the theme of 'Shared Responsibility'.

Other agencies

In Western Australia, the responsibility for fire prevention activities is shared by a number of agencies.

Department of Fire and Emergency Services

During the Special Inquiry some uncertainty was expressed as to whether FES Commissioner has an over-arching responsibility for fire prevention and mitigation (including fuel management) as well as the response to and suppression of fires.

A view that has been put to the Special Inquiry by a number of individuals and groups is that DFES has eroded its bushfire prevention capability. It has been further suggested that DFES has, over time, become a 'response only' organisation. The FES Commissioner has on a number of occasions publicly stated that he has no responsibility for fire prevention and mitigation. In one interview, when asked about prescribed burning the FES Commissioner made clear that, "The issue of prescribed burning is a matter for [P&W]."[21]

Given the significance of his leadership role with fire in the state, it would seem logical that the FES Commissioner would want to have overarching interest and ability to effect fire prevention policy and practice. This position appears to be supported by the legislation.

The *Emergency Management Act 2005* allows for the prescribing (by regulation) of "a hazard management agency for emergency management, or an emergency management aspect" in relation to a hazard. The FES Commissioner is prescribed as the hazard management agency for emergency management of the hazard of fire for the whole of the State.[22]

'Emergency management' is defined as the "management of the adverse effects of an emergency" and includes prevention, preparedness, response and recovery.[23] Prevention includes, "the mitigation or prevention of the probability of the occurrence of, and the potential adverse effects of, an emergency".[24]

Section 10(1) of the *Bush Fires Act 1954* outlines the various functions of the FES Commissioner. These include:

- report to the Minister as often as the FES Commissioner thinks is expedient so to do on the best means to be taken for preventing or extinguishing bush fires;[25]
- carry out such fire prevention measures as the FES Commissioner considers necessary;[26]

[21] De Ceglie, A., *WA bushfires: Fire Commissioner Wayne Gregson has 'no regrets' of handling of South West fires*, 17 January 2016, at http://www.perthnow.com.au/news/western-australia/wa-bushfires-fire-commissioner-wayne-gregson-has-no-regrets-over-handling-of-south-west-fires/news-story/e97a5003c45093f60a40bc5db7c58503
[22] Regulation 17(2) of the *Emergency Management Regulations 2005*
[23] Section 3 of the *Emergency Management Act 2005*
[24] Section 3 of the *Emergency Management Act 2005*
[25] Section 10(1)(a) of the *Bush Fires Act 1954*
[26] Section 10(1)(e) of the *Bush Fires Act 1954*

- carry out research in connection with fire prevention and control and matters pertaining to fire prevention and control; [27] and
- conduct publicity campaigns for the purpose of improving fire prevention measures.[28]

Further, section 35 of the *Bush Fires Act 1954* provides the FES Commissioner with the power to issue section 33 firebreak notices and to carry out associated works in the event of a default by the relevant local government authority.

On the information available, the Special Inquiry suggests that the FES Commissioner does, by virtue of being the HMA for fire, have an overarching responsibility for fire prevention and mitigation. Should this be proven not to be the case, then it is strongly recommended that the Government, either through legislation or by policy, move to recognise that the FES Commissioner has an overarching fire prevention, mitigation and management responsibility for the State.

Department of Lands

The Department of Lands administers Western Australia's Crown land estate under the *Land Administration Act 1997*. Crown land makes up 92% of the State and includes all land (other than freehold), and all State coastal and other waters.

Crown Land that is leased, vested in other agencies, or reserved and managed by other bodies is the management responsibility of such lesssess, vestees or management bodies. As such the responsibility for many Crown land parcels rests with private individuals, corporations and Commonwealth, State and Local Government entities.

The Department of Lands has direct responsibility for the remaining UCL and UMR, including on-ground management of fire risk. The Department of Lands has a Memorandum of Understanding (MOU) with DFES and P&W for fire management on these lands. DFES typically manages mitigation of fire risk on parcels of UCL and UMR within the Perth metropolitan area, regional centres and townsites, while P&W manages the equivalent risk on remaining parcels of UCL and UMR elsewhere in Western Australia.

Department of Education

The Department of Education has a MOU with DFES for the purpose of coordinating bushfire risk management activities. DFES and the Department of Education undertook a bushfire risk assessment of the Yarloop Primary School in September 2015, and identified treatment actions which were subsequently completed prior to the Waroona fire.[29]

Local Government

Local governments are responsible for undertaking prevention activities on all land vested in the local government.

[27] Section 10(1)(f) of the *Bush Fires Act 1954*
[28] Section 10(1)(g) of the *Bush Fires Act 1954*
[29] Submission of Department of Fire and Emergency Services (DFES), p. 8

In addition, under the *Bush Fires Act 1954*, local governments have a number of powers to require individual property owners to establish fire breaks and undertake hazard reduction.

Most local governments utilise the services of their volunteer Bush Fire Brigades and Bush Fire Control Officers in relation to these activities.

Fuel management around Yarloop - A disaster waiting to happen?

> *Many government agencies in Western Australia own or manage land but undertake no bushfire management. That produces very serious consequences, one of which we believe was, in fact, the destruction of the town of Yarloop.*[30]

In examining fuels in the area affected by the Waroona fire it is clear that there is still some way to go to achieve the vision of 'shared responsibility' expressed in the Perth Hills Bushfire Report.

Private land owners are bound to undertake hazard reduction on their land, and can be issued with a notice from local government pursuant to section 33 of the *Bush Fires Act 1954* requiring mitigation be undertaken on their property. However, there is no requirement for Crown land to be maintained to the same standard.

The Special Inquiry received evidence that identified a number of examples of poor fuel management practices. To quote examples:

> *Bagieau Road bush reserve has had no maintenance for many years. The last time the bush was cleared from under the power poles was back in 2003.*[31]

> *Roadside vegetation and crown land, unburnt for 20 or more years, vacant town site land with dry grass, weeds and leaf litter unaltered by any form of bushfire mitigation in the preceding spring provided the perfect scenario.*[32]

> *Many road verges were poorly maintained and carried heavy fuels of dry grass and weeds.*[33]

> *The saw mill on Campton Rd had no fire plan in place … all the offcuts and old timber had been pushed into the bushland.*[34]

> *A new planting of plantation pines directly behind our residence has had no weed management, such that the dead weeds are quite thick around young pines.*[35]

> *Roadside burning has now ceased and no fuel reduction has occurred for several years.*[36]

[30] Underwood, R., Hearing, 11 March 2016
[31] Submission of Vineyard 28
[32] Submission of member of public 39
[33] Submission of the Institute of Foresters WA Division
[34] Submission of member of public 57
[35] Submission of Vineyard 28
[36] Submission of member of public 63

However, the Special Inquiry did receive some examples of good fuel management. One example is the Yarloop Primary School:

> *The Primary School remained standing throughout the fire. Although unattended as the fire passed, the school survived this was due to the fire Protection Plan developed by local fire experts - this plan included fuel reduction and separation of buildings from vegetation.*[37]

This plan was developed in accordance with the MOU between DFES and the Department of Education to identify and development treatment options for addressing bushfire related risk. This MOU applies to all schools identified in the Department of Education bushfire zone register.

These stories demonstrate varying levels of fuel management in the burnt area.

As will become evident, the difficulty in addressing fuel management in relation to the area affected by the Waroona fire stems from the number of different land holders, and because of the varying landforms, land uses and vegetation types the fire burnt through.[38]

Case Example Yarloop: "You own the fuel you own the risk" - it's not that simple

Yarloop was significantly affected by the fire with two fatalities of residents and the destruction of 166 houses and residential buildings. It is the view of the Special Inquiry that localised areas of long unburnt fuel within and adjoining Yarloop played a significant contribution to the damage in town by generating very high fire intensities and mass ember attack that resulted in extensive damage to buildings.[39]

The Special Inquiry believes that fuel management in Yarloop is indicative of the broader approach to fuel management across the region.

This section will specially examine several parcels of land to the south east where the fire first impacted and then entered Yarloop. The parcels of land discussed are significant because of the different number of landholders responsible for fuel management including State Government agencies, Local Government and private land holders. Figure 7.3 demonstrates the variety of landholders managing the areas of land discussed below.

Shire of Harvey

The Shire of Harvey was responsible for several plots of land to the south east including parks, reserves, Yarloop Bushfire Brigade Station and an area of forest designated for rubbish disposal.

Fuel management activities undertaken by the Shire of Harvey include:

- mowing long grass;
- weed control;

[37] Submission of member of public 39
[38] Burrows, N., & McCaw, L., Hearing 6 April 2016
[39] McCaw, L., Burrows, N., Beecham, B. Rampant, P., *Reconstruction of the spread and behaviour of the Waroona bushfire (Perth Hills 68)*, P&W, 6 April 2016

- removal of Victorian teatree;
- working with other stakeholders to install fire breaks;
- regular fuel inspections; and
- 'cool' burns conducted between 2009-11.

Aerial images show a significant area of the townsite was covered by native vegetation on roadsides, some house blocks and various tracts of public land. There were heavy fuels in these areas. Information received in relation to one parcel of land notes that 'fuel load reduction' measures were conducted, but very little detail is provided on what these measures were other than to say woody debris was removed. The removal of teatrees in some areas was noted.

Shire of Waroona

The Shire of Waroona manages a small area of land 4.4. hectares in size to the north of Yarloop. The Shire reported that it only conducts fuel management programs on areas that are considered to be a strategic risk. The area the Shire is responsible for was not identified as an area of strategic risk as it is not heavily vegetated, so no fuel management activities were undertaken.

P&W

P&W reported that an area of land it is responsible for was subject to a prescribed burn in autumn 2015, with remaining areas scheduled to be burnt in autumn/spring 2016. P&W also reports conducting annual inspections of tracks to ensure they are clear of any fuel load.

Main Roads WA

Main Roads WA is responsible for two areas of land, a rehabilitated sand pit and road reserves along the South Western Highway.

Main Roads manages the rehabilitated sand pit in conjunction with P&W. Main Roads reported that no fuel reduction or fire breaks have been undertaken on the site.

Road reserves directly alongside the road, where there are no overhanging trees or understory vegetation, are treated annually with slashing and herbicide. Areas further back from the roadside which does contain vegetation, including trees and shrubs, have no reported fuel management work undertaken to maintain their conservation value.

Log Fence Pony Club (LFPC)

The LFPC reported having conducted annual hazard reduction burns over the past 5 years.

These burns have been conducted alongside other fuel management approaches, including:

- establishing fire breaks;
- weed spraying along the fence line;
- mowing tall grass;
- tree pruning;

- removing large trees close to the club house; and
- installing gutter guard on large gutters around the club house.

During the Waroona fire the LFPC clubhouse, despite receiving some fire damage, did survive. Club members attribute the club house survival due to the installation of the gutter guard.

In 2016 the LFPC plans to continue to remove large trees from around the clubhouse and continue to install gutter guard.

The LFPC is to be commended for their thorough fuel management program.

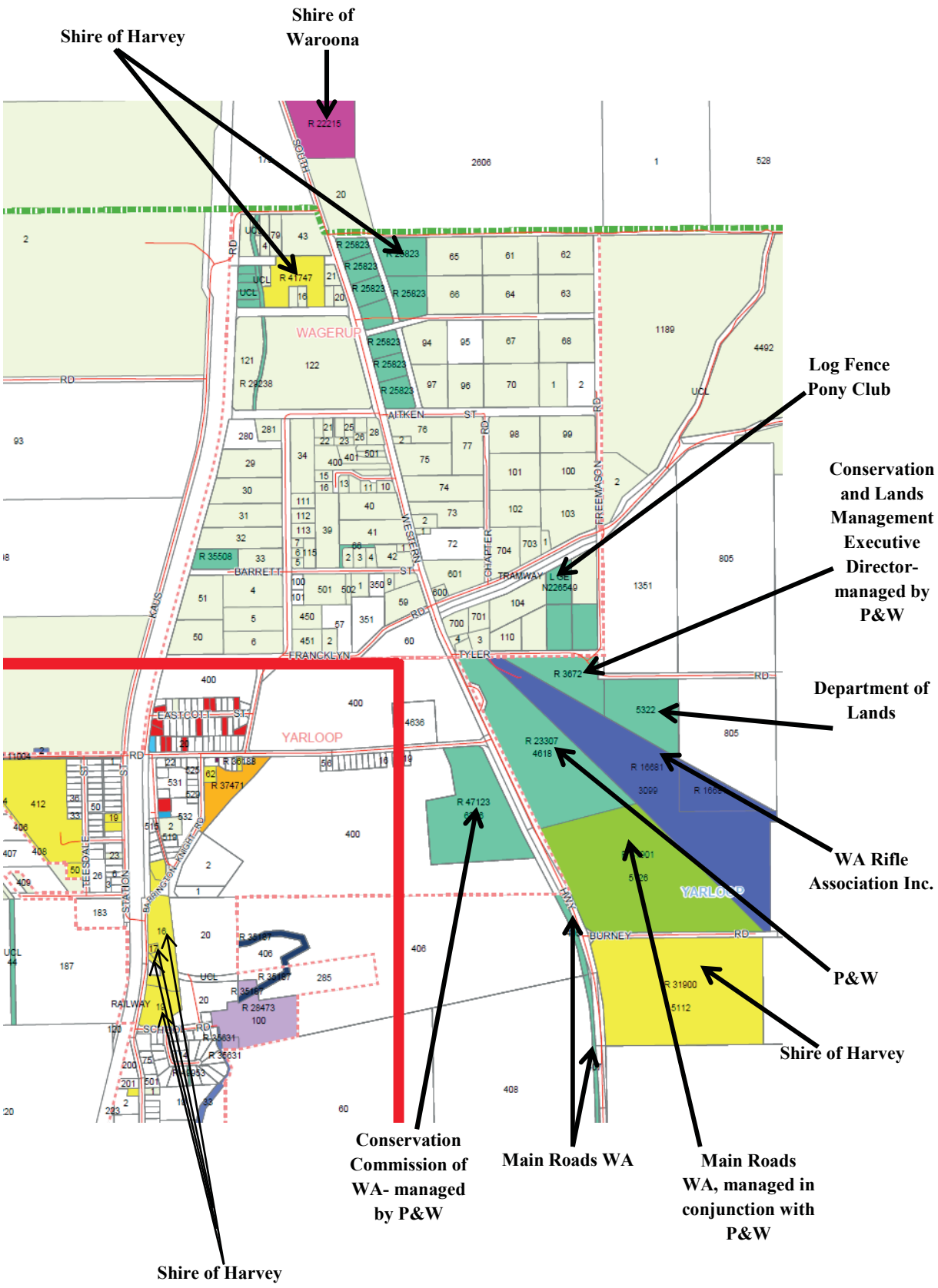
West Australian Rifle Association

The West Australian Rifle Association (WARA) has undertaken a number of fuel management measures including maintaining fire breaks, emptying rubbish bins, clearing gutters and maintaining the area around the building. The house on the land survived the Waroona fire.

WARA expressed concerns about the difficulty in conducting prescribed burns on their land. The Association writes that it conducted a prescribed burn on the land many years ago, but more recent attempts have been more difficult. The Association also noted that during their last attempt to conduct a prescribed burn five years ago the local fire brigade attended, put the fire out and informed the Association of the rules around prescribed burning. This evidence demonstrates some of the difficulties in conducting a prescribed burn on occupied public land.

FINDING: On the east side of Yarloop, east of and adjacent to the South West Highway, there is an area of forest, of mixed tenure, that was long unburnt. When the fire entered this forest it became impossible to suppress. The forest then became a source of burning embers that were then borne by the strong easterly wind event. This contributed to the difficulty of fire suppression and the difficulty of protecting houses in Yarloop.

Figure 7.3: Yarloop Landholders



Discussion

These examples lead the Special Inquiry to the conclusion that regular, effective fuel management activities are not being undertaken by all landowners or bodies with responsibility for parcels of land. There are three important impediments to hazard reduction performance:

- the lack of implementing a BRMP process;
- the onerous nature of the hazard reduction burn process; and
- the lack of funds and resources to undertake these burns.

Bushfire Risk Management Plan

In 2011, the Keelty Perth Hills Bushfire Report recommendations led to the development and implementation of the BRMP process. In December 2015 OBRM published the *'Guidelines for Preparing a Bushfire Risk Management Plan.'*

These plans are consistent with the broader National Strategy for Disaster Resilience released by Council of Australian Governments on 7 December 2009. The strategy calls for:

> *A new focus on shared responsibility; one where political leaders, governments, business and community leaders, and the not-for-profit sector all adopt increased or improved emergency management and advisory roles, and contribute to achieving integrated and coordinated disaster resilience.*[40]

The National Strategy states that:

> *Disaster resilience is a long-term outcome, which will require long-term commitment. Achieving disaster resilience will require achieving sustained behavioural change, the results of which should be seen across a number of years and political cycles.*[41]

As discussed in Chapter 5, BRMPs are to be utilised by local governments as a way of engaging in a tenure blind risk assessment to identify who is responsible for fuel management, how should the risk be prioritised and what treatment should be undertaken to deal with that risk. The value of developing a BRMP is that it can assist Government by providing accurate and real advice on the state of the bushfire risk.

The City of Cockburn is the only local government in Western Australia with a completed BRMP. However, it was completed outside of the BRMP process.

The Special Inquiry also visited the City of Wanneroo for a briefing and inspection of their fire prevention and hazard reduction burning program. The City, through its planned burning Officer and the Community Emergency Services Manager, is a leader in its approach for local government fuel management programs. The Special Inquiry commends the City and its Officers on their approach and achievements. The Special Inquiry, whilst being cognisant of the costs involved, suggests that this is a model for Western Australian local governments.

[40] Council of Australian Governments, *National Strategy for Disaster Resilience: Building our nation's resilience to disasters*, 2011, Commonwealth of Australia, p. 3
[41] Ibid., p. 4

Although the guidelines for developing a BRMP were only released in December 2015, the Special Inquiry believes that a BRMP for Yarloop would have assisted in identifying who was responsible for fuel management, and would have prioritised and identified which areas of land required fuel management treatment.

DFES is the responsible agency for providing guidance to and coordinating local governments to enable the production of a BRMP.[42] OBRM is responsible for setting the BRMP standards.[43]

In evidence to the Special Inquiry, when the Director of OBRM was asked about progress, he said:

> *… that's early on and I would say has lacked enough penetration, you know, in two years of being there to – well, we actually don't have any. So, no, they haven't actually finished one of them. So it has been very, very slow going for a range of reasons and one of which is around the structural issues that I described earlier in that it has been managed through a central process where my belief is that, once again, it would be better managed through regional delivery mechanisms within a bushfire-focused structure. I'm – I have no doubt about that.*[44]

A second challenge for implementing BRMPs is funding. Across local government there is widespread support to implement BRMPs, however there is a lack of resources.

> *The process essentially shifted the responsibility and cost for assessing and coordinating bushfire risk on crown lands from the State to Local Government.*[45]

The implementation of treatments identified in BRMPs (or outside of the BRMP process) is currently funded through the National Bushfire Mitigation Program (NBMP). This program is a competitive grants process to distribute money based on the highest priority mitigation works. The NBMP provides $1 million to Western Australia over three years, in other words around $330,000 per year. The need to secure ongoing funding for BRMP will be vital for the future.

Concerns exist Australia wide about the quantum and proportion of funds for natural disaster prevention and mitigation. The recent Inquiry into Natural Disaster Funding by the Productivity Commission found that current natural disaster funding arrangements "are not efficient, equitable or sustainable."[46] It found they are prone to "cost shifting, ad hoc responses and short-term political opportunism".[47]

[42] Carter, M., Hearing, 5 April 2016
[43] Gregson, W., Hearing, 6 April 2016
[44] Carter, M., Hearing, 5 April 2016
[45] Submission of WALGA
[46] Productivity Commission, *Productivity Commission Inquiry Report: Natural Disaster Funding Arrangements,* December 2014, vol. 1, p. 2
[47] Ibid.

The Productivity Commission go on to say that:

> *Governments over-invest in post-disaster reconstruction and under invest in mitigation that would limit the impact of natural disasters in the first place … The funding arrangements matter because they impact the incentives to manage risks….*
>
> *Governments can do better in terms of policies that enable people to understand natural disaster risks and also give them the incentive to manage the risks effectively.*[48]

The Special Inquiry commends the development of a BRMP process. However, both the planning and the implementation have barely commenced. The current resources engaged to develop and facilitate these plans are on short term tenure within DFES. The Special Inquiry supports any effort to maintain or enhance these resources until such time as all Local Governments have a BRMP.

Recommendation 4: The Departments of Parks and Wildlife and Fire and Emergency Services to develop options for the expansion of the 'Bushfire Mitigation Grant Scheme' utilising both State and Commonwealth Government funding to enable the implementation of hazard reduction works identified through the Bushfire Risk Management Planning process. This will target hazard reduction projects on land owned by private landholders in rural-urban interface areas, critical infrastructure protection, local government land, roadsides and land managed by utilities.

Hazard Reduction Burn Process

The evidence presented by the West Australia Rifle Association, to some extent, highlights the difficultly some organisations and individuals face in attempting to carry out a hazard reduction burns.

The City of Gosnells experienced similar difficulties in relation to a small fuel reduction burn on a parcel of land less than one hectare in size, but which had the potential to reduce the threat of bushfires to nearby residential dwellings and also provide a small strategic buffer between two much larger areas of bushland. The City spent in excess of $10,000 over an 18 month period of time in order to obtain the relevant environmental approvals and land clearing permits.[49]

An individual or a Bush Fire Brigade wanting to conduct a hazard reduction burn during a restricted period on private property requires a local government permit. Outside of a restricted period there still may be a requirement to have a permit.

Currently there is no overarching State wide approval process to acquire a permit. Instead each request is based on the policy set by the LGA in which the parcel of land is situated. OBRM approves each LGA's permit approval process. OBRM has its own set of policies for approving a permit process.

[48] Productivity Commission, Key points of the *Productivity Commission Inquiry Report: Natural Disaster Funding Arrangements,* December 2014, at http://www.pc.gov.au/inquiries/completed/disaster-funding/report
[49] Submission City of Gosnells

However, in placing the obligation on LGA to issue burn permits there has developed a tendency for local governments to not approve hazard reduction burns:

> *The system itself is too prohibitive to allow someone to get on and do what they need to do.*[50]

Another group commented:

> *So I think everyone has fallen back to a safety position where it's safer to do nothing and I think that's the stage where we've got to now.*[51]

Finally:

> *It has become impossible for us to continue to carry out these fuel reduction practices on our own property. We have encountered resistance, hostility, frustration and red tangled tape from our local district fire brigades when trying to obtain permits when it is a legally permitted burning period in order to carry out these fuel reduction burns and when the right conditions prevail, even though we have demonstrated that we have the necessary equipment to safely carry out control measures and the human resources available to be in attendance at the time.*[52]

The Special Inquiry discussed this point with the Executive Director of OBRM who advised that there is no restriction or guidelines currently produced by OBRM. However, this has been identified as the next area of work to be undertaken.[53]

This discussion with the Executive Director of OBRM confirmed the difficulties faced by individual landholders wanting to conduct a hazard reduction burn.[54] That is in order to reduce the potential liability of local government conditions placed on a permit to burn may be so onerous that an individual landholder may not be able to undertake a burn.

Difficulties around DFES involvement in fuel management has been previously discussed. The issue of local volunteer fire brigades undertaking hazard reduction burning was also discussed with the FES Commissioner.

The FES Commissioner agreed that developing a simple and fast tracked hazard reduction process would facilitate increased hazard reduction burns on private property.

Evident from the discussion with both the Executive Director of OBRM and the FES Commissioner is the uncertainty and lack of policies for local Bush Fire Brigades to utilise when planning and conducting a hazard reduction burns. Greater certainty and work is needed in this area.

[50] Carter, M., Hearing, 5 April 2016
[51] Iffla, J., Hearing, 9 March 2016
[52] Submission of member of the public 90
[53] Carter, M., Hearing, 5 April 2016
[54] Ibid

Recommendation 5: The Department of Fire and Emergency Services, utilising the Office of Bushfire Risk Management, to develop a simplified and fast track hazard reduction burn (and other fuel mitigation techniques) planning and approval process to ensure the timely conduct of township and asset protection burns by Bush Fire Brigades and individual property owners. The process is to be agile and adaptable for the range of stakeholders which may participate in low risk, small scale, low complexity burn planning and approvals.

Other Fuel Management Considerations

Alcoa Bauxite Mine Lease area – Alcoa or Parks and Wildlife?

A significant proportion of the total fire area (41%) occurred on State forest subject to bauxite mining operations undertaken by Alcoa of Australia. The significance of this particular land use lies in the heightened level of complexity with respect to land management of bushfire risk.

Bauxite mining has had a significant impact on the land. The pattern of mining has resulted in a very patchy and varied landscape with large areas undergoing different stages of land rehabilitation. When Alcoa completes mining in one area it is then required to rehabilitate the land mined land back to or as close to its original natural state. There are two problems with this process. As Alcoa shifts to mine different areas and begins rehabilitation, new rehabilitated areas then contain a wide variety of vegetation types, fuel structures and fuel ages compared with older rehabilitated areas of land. Related to this first problem is that rehabilitated land cannot be subject to a hazard reduction burn for a period up to 25 years. The reason being is that young planted saplings would not yet be fire resistant and would burn during a fire.

The fuel therefore in the Alcoa Mining Lease area was patchy with newly rehabilitated areas having very heavy fuel loads, whilst older areas where fuel management activities could be conducted were likely to have less of a fuel load.

Consequently, when the fire reached the area of rehabilitated forest it;

> *Went through the mining envelope, barely hiccupped, I suspect, maybe took a breath but it didn't – it certainly didn't slow up that much. It maybe, in fact, sped up during parts… certainly, the mining and the change of fuel and vegetation structure through the mining envelope was a significant feature of this fire and its behaviour.*[55]

Hazard reduction burning is unsuitable on rehabilitated mining land. There is an opportunity to investigate alternative forms of fuel management that can be utilised including mechanical thinning. This form of fuel management involves mechanically removing selected trees at fixed intervals and has been shown to be effective in areas of younger regenerated native forests and planation.[56] A system of mechanical thinning has already been successfully applied in younger karri regrowth where these forests have heavy fuel loads and that prescribed burning can only occur after mechanical thinning.

[55] Burrows, N., Hearing, 5 April 2016
[56] Submission of Forest Products Commission

The Commonwealth Government has made available funding for trials in mechanical thinning of forests. These trials aim to establish whether mechanical thinning of forests can reduce bushfire risk in areas where prescribed burning is undesirable.[57]

Opportunity 3: The Department of Parks and Wildlife and the Forest Products Commission to explore policy options for mechanical thinning of forest, including mining rehabilitation forest, for the purpose of bushfire mitigation.

A further issue related to the Alcoa Mining Lease is determining responsibility for fuel management in the mining lease area.

P&W in their submission advised that where fuel management activities do not interfere with mining operations, fuel management is a P&W responsibility, whereas P&W's responsibility to undertake fuel management in areas where mining operations are in progress may be restricted due to mining operations by Alcoa.

What is clear to the Special Inquiry is that there are complexities and practical constraints in achieving any fuel management in a mining lease environment. Therefore, the Special Inquiry encourages P&W to establish clear guidelines as to responsibilities for fuel management in areas of land subject to a mining lease. The Special Inquiry also encourages Alcoa to commit to best practice fuel management principles.

Waroona and Harvey Irrigation Open Channel Water Delivery System

One factor that allowed the fire to escalate was the lineal fuel loads around the Waroona and Harvey Irrigation Open Channel Water Delivery System. The heavy fuel load and remnant forest running alongside the channels created a very long and narrow fire shape which allowed the fire to travel quickly to impact west of Waroona.

> *During the Waroona bushfire the network … drains acted as wicks that allowed fire to spread very rapidly.*[58]

One volunteer firefighter commented:

> *Once the fire got into the flat country, you know, we could pull it up in open paddocks, but we were losing it down drains, road reserves, tree lines. That's basically where we lost it.*[59]

Tongues of fire were able to race away from the fire front down drains at speeds estimated to be 5-6km an hour.[60]

The open channel system was constructed by and for the operation of Government managed irrigation schemes. In summer, the channels aid in supplying water from dams to irrigators, whilst in winter the channels drain water from the catchment to the estuaries to the west.

[57] Department of Agriculture and Water Resources, *Mechanical Bushfire Fuel Load Reduction Programme*, Government of Australia, 7 March 2016, at http://www.agriculture.gov.au/forestry/national/nbmp
[58] Submission of the Institute of Foresters
[59] Penny, P., Hearing, 10 March 2016
[60] Penny, P., Hearing 10 March 2016

In identifying which agency was responsible for fuel management around the channels, the Special Inquiry contacted the Water Corporation and Harvey Water.

In response, the Water Corporation stated that it is: *"*Not involved in the operations or maintenance of the open channel water delivery system*"* and directed the Inquiry to Harvey Water.

Harvey Water responded to the request by stating that;

> *As far as we are aware there is nothing in the Act (*Water Agencies (Powers) Act 1984) *and the transfer of powers that specially requires Harvey Water to be responsible for bushfire mitigation in respect of the channel.*[61]

The lack of certainty over responsibility for fuel management around these channels is of concern to the Special Inquiry. The Special Inquiry sought legal advice on who was responsible, but at the time of writing, this was still not satisfactorily resolved. The Special Inquiry encourages Harvey Water and the Water Corporation to enter into discussions to develop a fuel management plan around the Open Channel Water Delivery Systems.

Opportunity 4: The Department of Fire and Emergency Services, in collaboration with the Departments of Planning, Parks and Wildlife, Environment Regulation and Water, to lead consideration of developing guidance to landholders with respect to bushfire 'fuse breaks' along lineal fuels such as roadsides and irrigation drainage channels.

McLarty and Myalup pine plantations

The Special Inquiry received evidence that lineal fuel loads allowed the fire to race towards McLarty pine planation faster than expected. The Waroona fire tore through the McLarty and Myalup pine plantations west of Waroona. The fire destroyed 3,330 hectares of pine planation.

Commercial tree plantations are valuable assets with a long investment timeframe, up to 30 years in the case of pines. If a plantation is burnt, there can be significant 'down-stream' impacts on timber harvesters, processors and the transport industry. During the past decade major bushfires have resulted in very significant damage to pine plantations in the Blackwood Valley, at Gnangara and Yanchep, and most recently at Waroona.[62]

The FPC is the agency responsible for fuel management on the pine plantations. In evidence, the FPC outline fuel management activities undertaken including:[63]

- establishing fire breaks in excess of the size required by the Code of Practice for Timber Plantations in Western Australia;
- fire break maintenance was undertaken from August to November 2015 in preparation for the heat of summer;
- pruning across access roads was undertaken in August September 2015; and
- needle bed burning in the plantation is undertaken in the winter/spring of each year.

[61] Supplementary submission of Harvey Water
[62] Submission of the Institute of Foresters Australia WA Division
[63] Submission of the Forest Products Commission

The mitigation activities outlined above provide adequate plantation protection for small to medium fires. However, the fire conditions on 7 January 2016 were of such intensity that firebreaks and reduced fuel areas within the plantation were not adequate to prevent spread of the fire. The Special Inquiry has observed that, within the plantations, areas that were needle bed burnt in 2015 had less fire impact and damage.

Furthermore, the land adjacent to the planation was only subject to irregular small scale hazard reduction burning. Previously vegetation around McLarty Pine Planation had been burnt every 3 to 4 years as protection for the planation.[64] This lack of fuel management may have contributed to the destruction of the pine planation.

Individual landholders – "If you own the fuel load you own the problem"

Finally, private individual landowners need to be reminded that fuel management first falls upon the landowner. Fuel management is a shared responsibility:

> *A person who looks after their property can be let down by a neighbour who is not as conscientious.*[65]

The Special Inquiry received evidence that demonstrated the varying degrees to which people undertook fuel management activities on their private properties. That is evident from the following submission regarding Yarloop:

> *So here's a bloke, you know, with a good crop, a lot of dried ground and he's got a firebreak alongside his boundary and the reserve next-door has got something there full of noxious weeds and bloody fire hazard and all this hasn't been burnt off for years.*[66]

Although, as previously recognised in this chapter, the process for conducting hazard reduction burns on private property is onerous, this is no excuse not to manage fuel loads.

Individuals are still able to carry out the following fuel management actives without a permit such as:

- mowing or slashing long grass;
- physically removing fuel within 20 meters of a house or other infrastructure;
- weeding;
- installing fire breaks;
- clearing gutters;
- providing water points;
- creating access;
- irrigating grass to maintain it in a green state;
- grazing out, slashing and mowing of grass;
- construction of mineral earth and slashed firebreaks;
- thinning and pruning of trees and plantations; or
- chaining (with and without burning) of vegetation.

[64] Tyler, L., Hearing 22 March 2016
[65] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review,* 2011, p. 68
[66] McKay, R. Hearing, 22 March 2016

Good fuel management can be the explanation as to why some infrastructure burnt during the Waroona fire and some didn't.

The Special Inquiry would like to commend those individuals who carried out fuel management activities in the lead up to the 2015/16 fire season.

Local Solutions for Local Problems

The following discussion outlines a series of proposed solutions which have the potential to empower local communities in preventing the risk of bushfire. The Special Inquiry commends these ideas for exploration by local community groups.

Whilst partnerships between local government and the community sector take time to develop, it is now increasingly recognised that engagement of local people is critical to achieving meaningful outcomes within a local community.[67]

A good example of local government and community engagement was the Yarloop Primary School. As quoted earlier the primary school had engaged with local fire experts to develop a fire protection plan.[68] The survival of the primary school can be attributed to this plan which the community, under the guidance of Government agencies, came together to carry out.

Every community is unique and to some extent faces its own challenges. Local government is well placed to coordinate planning, identifying and providing for local needs. The most beneficial changes often take place through community engagement and empowerment initiatives which respond to opportunities or deal with problems.

The 'Fire Wise' Concept

'Fire Wise' is an initiative currently being utilised by a small group of people living in the Rural Urban Interface in the South West and Perth Hills. The Fire Wise concept empowers individuals and the community to become more self-reliant in reducing the bushfire risk rather than relying on Government. Part of the focus of this concept involves individuals, neighbours and the community coming together to conduct fire prevention activities.

The Fire Wise concept gives sound consideration to several key areas including:[69]

- implementing vegetation exclusion zones around homes;
- using techniques to reduce ember penetration into a home during a fire;
- retrofitting houses and gardens to make them more bushfire resistant;
- engendering a culture of self-reliance in homeowners and within communities;
- encouraging a willingness in the community to share with Government bodies the responsibility for fire safety;
- using supportive bushfire mitigation messages rather than being directive; and
- encouraging individuals and the media to showcase how to develop Fire Wise gardens.

[67] Office for the Community Sector, Department of Planning and Community Development Victoria, *Community collaboration: The changing context of local government and community sector partnerships*, 1 July 2013, Government of Victoria
[68] Submission of member of the public 39
[69] Submission of Fire Wise

Combining the Fire Wise message with a campaign similar to the Water Corporation's 'Waterwise' message may result in significant community take up. The Special Inquiry encourages consideration of the Fire Wise campaign approach.

Landcare Australia

Another local level approach involving people working together to improve and manage their communities is Landcare Australia.

Landcare is a national network of thousands of locally-based community groups who care for the natural resources in their communities. Members of these networks work together to make decisions about the long term social, economic and environmental health of their region.

This example demonstrates a model that could be applied to bushfire management. The community partnership offers opportunities for collaborative learning and encourages joint decision making, giving the community greater say in what is important and what needs to be done. Fire prevention could form part of this process or, alternatively, be modeled on it.

A concluding comment on fuel

Fuel management was the second most common issue raised during the course of the Special Inquiry. The length and detail of the foregoing chapter reflects those submissions. It also attests to the complexity of managing fuel and, therefore, bushfire risk. Notwithstanding this, the Special Inquiry reinforces the fundamental relationship between proper fuel management and bushfire risk reduction.

It is because of the difficulty and challenges associated with meeting this aspiration, that the community is forced to resort to a range of secondary bushfire protection measures.

If there was to be nothing else done but to manage fuels properly in areas vulnerable to bushfire, then much of the work of this Special Inquiry would have been done.

Chapter Eight – Incident Management

The whole thing just exploded in a massive downdraught.[1]

Initial response

Responsibility for response

The legislative framework in WA provides that the designation of the agency responsible for the initial response to a fire is primarily based on the type of land where the fire starts.

DFES responds to fires that occur within gazetted fire districts. P &W provides the initial response to fire which starts on land to which the *Conservation and Land Management Act 1984* applies. Local Governments, through their brigades, are generally responsible for responding to fire on most private property and UCL outside of fire districts.[2]

The framework for emergency management arrangements under which the responsible agency operates during a bushfire is provided by Westplan – Fire. Westplan – Fire provides that DFES, P&W and local governments are responsible for developing and implementing rapid, effective and complementary fire response arrangements for their jurisdictions.[3]

The Waroona fire originated on land managed by P&W and was considered to be "well within Parks and Wildlife estate".[4] This meant the initial response to the fire was managed by P&W and the role of IC [5] was initially performed by the P&W Perth Hills District Officer who was on duty when the fire was detected.

Framework for incident management in Western Australia

Westplan – Fire details the response arrangements for responding to fire incidents in WA. It provides that the Australasian Inter-service Incident Management System (AIIMS) is to be utilised by all fire controlling agencies. AIIMS is an incident management structure used nationally by fire and emergency services.

Section 4.3 of Westplan – Fire details the levels of response which apply to fire, including bushfire. This section details: the principles which support the response; the requirement to appoint an IC; minimum IMT requirements; and criteria for the determination of incident level.

Section 4.3 of Westplan – Fire also provides that SEMP 4.1 must be adhered to for incident response, control and coordination.[6]

[1] Chick, J., Hearing, 1 April 2016
[2] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p29
[3] SEMC, Westplan – Fire, 2013
[4] Ridley, J., Hearing, 17 March 2016
[5] As per Westplan – Fire, all fires requiring suppression will have an IC appointed by the Controlling Agency which was, in this case, P&W.
[6] State Emergency Management Committee, State Emergency Management Policy 4.1 – *Incident Management*, 2013

SEMP 4.1 is in place to ensure common understanding by all emergency management agencies on the principles, and structures utilised for emergency management in WA. It provides the operational principles, such as declaring the incident level, and the operational structures applicable to incident management in WA.

In addition to Westplan – Fire and the SEMP 4.1, there are a number of agency level policies, procedures and protocols which apply to incident management and responding to bushfires. These are referred to, where relevant, throughout this chapter.

The role of the State Operations Centre, Metropolitan Operations Centre and Regional Operations Centre

The principle of unity of command is based on the concept that each individual should only report to one supervisor. In the case of incident management, there should only be one IC for any incident. The IC is responsible for directing and coordinating the actions of all personnel, with one set of objectives, and one plan for the management of the incident.[7]

The 'line of control' above the IC is not defined by AIIMS. Each State and Territory has their own approach. In WA, there are three tiers to the line of control, being:

- Incident level (through the ICC);
- Regional level (through the ROC); and
- State level (through the SOC).

In addition to the SOC and the ROC, there is another branch of operational oversight within DFES; this is the MOC. The SOC, MOC and ROC do not replace the role of IC. Their role is to support, assist and advise the IC and IMT.

During the Waroona fire, the SOC, MOC and three ROCs (Bunbury, Northam and Manjimup) were activated.[8]

The SOC is located in the DFES Emergency Service Complex in Cockburn. As described by the FES Commissioner, the SOC has a number of roles:

> *Firstly, when there is not an incident it monitors all activity state-wide from a state perspective to ensure that there is adequate resources and that the Level 1 incidents are being appropriately attended to and that there are arguably no escalation of occurring events. It considers risk of the various regions … so that we can do some pre-planning, pre-deployment, pre-coordination of resources if there [are] elevated levels of risk. It considers day-to-day resources to ensure that there are appropriate capabilities in the various regions. It considers the disposition of the fleet and it considers ongoing activity in a broader, strategic sense to – in day-to-day.*[9]

[7] DFES, *Western Australian Fire and Emergency Services Manual*, Part 6, 2014, p. 20
[8] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 40
[9] Gregson, W. Hearing, 6 April 2016

The Special Inquiry accepts this description of the role of the SOC. In contrast, the DFES Western Australian Fire and Emergency Services Manual (WAFESM) provides that:

> *The DFES SOC maintains the overall command, control and coordination of both DFES and external resources available under the provisions of Western Australian legislation at a State level, whilst also maintaining an overview of latent resources and response capability from relevant state-based and national agencies.*[10]

The Special Inquiry notes that this may lead to inconsistencies with the AIIMs structure. It is questioned whether there is actually ability for the SOC to simultaneously provide a command, control and coordination function. It is important that the system of incident management, particularly at a regional and state level, should not be designed and tailored for just one incident. Rather, it should be designed for coordination of responses to multiple concurrent incidents (of various types). It appears to the Special Inquiry that the role of the SOC, particularly in respect to Level 3 incidents, is one of coordination rather than command or control.

During major fires, such as the Waroona fire, the overall coordination of P&W resources is undertaken through a senior P&W officer present in the SOC.[11]

As the FES Commissioner advised the Special Inquiry, when the SOC is activated it:

> *… brings together the highest level of coordination across state government and non-State Government resources, Commonwealth resources and oversight of the aerial fleet of intelligence and of costs and a whole range of other aspects that support the incident controller. So it has the objective then of overseeing, indeed mentoring the incident controller, ensuring that there is good situational awareness of the existing emergency, ensuring that the resources that are allocated to that and are being either requested by the incident controller or arguably might be requested by the incident controller are being corralled and preliminarily made available.*[12]

Consistent with comments in Chapter 9 of this Report, the Special Inquiry is of the view that the coordination role of both the SOC and ROC needs to be reinforced. In relation to warnings, there is ample room for the SOC to scrutinise more closely both the content and the context of alerts, warnings and public messaging. This is an important role for organisational elements above the ICC.

The role of the MOC, when activated to support a regional incident, is to provide any required support to the ROC. It becomes an expanded logistical support for the ROC, as it is difficult to maintain regional support over an extended period of time without support from the metropolitan area.[13]

The Special Inquiry is aware of instances during the Waroona fire where the SOC and MOC became involved in directing operations of resources on the fireground. This is problematic in that, when resources are dispatched to an incident, they should, on arrival, be under the exclusive command and control of the IC. This is discussed in detail later in this chapter.

[10] DFES, *Western Australian Fire and Emergency Services Manual*, Part 3, 2014, p. 8
[11] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 29
[12] Gregson, W. Hearing, 6 April 2016
[13] Ibid

The role of the ROC is the coordination of operational resources at a regional level. The WAFESM provides that:

> *Whilst the ROC is not commanding or controlling individual incidents, its structure closely aligns to the functions of AIIMS. When considered necessary, the Regional Superintendent may direct an IMT to reassess their incident strategies based on the regional resource disposition and/or risks.*[14]

This is consistent with FES Commissioner's view that the role of the ROC is:

> *…. to bring together various regional stakeholders to assist the incident controller and to consider interaction at the local level of the various government, non-government agencies and other stakeholders that are going to be required usually in direct support of the response and there are a number of for a that are established interagency working groups or operational groups that come together to ensure that the incident controller has got the best advice from what's available from a resource perspective regionally.* [15]

During an incident, the IMT requests additional resources initially through the ROC; the ROC then prioritises and attempts to fill the request and escalates through the chain of command to the MOC or SOC, as required.

Observations on incident management over the course of the fire

The Special Inquiry has considered the following key points regarding the management of the Waroona fire:

- the need for clear priorities within the IMT and among personnel on the ground;
- difficulty in the incoming IMT coming to grasp with a very large volatile and dynamic situation;
- multiple points of the fire that were coming under pressure from the increasing wind speed on the evening of 7 January 2016;
- challenges in re-setting strategy when the current plan has failed; and
- the IMT, both individually and collectively, failed to act on a number of cues the highlighted the risk to Yarloop.

The doctrine underpinning incident management in Western Australia

Primacy of life

The overarching recommendation of the 2009 Victorian Bushfires Royal Commission was that of ensuring the primacy of life. Ensuring that primacy of life is the key focus of emergency response means all subsequent actions are undertaken in a manner which supports the philosophy.

[14] DFES, *Western Australian Fire and Emergency Services Manual*, Part 5, 2014, p. 5
[15] Gregson, W., Hearing, 6 April 2016

In WA, Westplan – Fire recognises the primacy of life. The first priority for Incident Action Planning is to 'address the protection of community members and keep them informed'.[16] Westplan – Fire also provides that "the safety of personnel tasked to the incident will be the fundamental priority in all phases of incident management."[17]

The primacy life must be a central consideration in the tactics and decision making of all emergency management personnel, particularly those in the IMT.

Whilst the primacy of life was recognised by the IMT in the Waroona Fire, the Special Inquiry believes there needs to be greater emphasis placed on the importance of providing warnings to the community. As discussed in Chapter 10, there is room to reinforce the primacy of warnings during bushfire events to all those involved in the response to a Level 3 bushfire. In particular, the Special Inquiry considers that the role of the ROC and the SOC needs to be re-visited to ensure that a facilitating, supporting and enquiring role in relation to the dissemination of public emergency information is clearly defined.

Strategic Control Priorities

The Special Inquiry found that there are three sets of priorities for emergency management response within Western Australian policy. These are the:

- SEMC 'State Core Objectives';[18]
- DFES 'Strategic Control Priorities';[19] and
- fire response priorities in Westplan – Fire.[20]

At a strategic State level, the SEMC has endorsed six core objectives for emergency management in WA. These are:

- people - to protect the lives and wellbeing of people;
- economy - to maintain and grow the state's productive capacity;
- infrastructure - to maintain key infrastructure such as transport and utilities;
- social setting - to maintain public order, safety, sanitation, education, health and culture;
- government - to maintain public administration, democracy and rule of law; and
- environment - to protect the ecosystem and biodiversity of the state. [21]

The Special Inquiry recognises that the SEMC State Core Objectives are not necessarily used to determine the priority for operational response to an incident; rather they identify the key areas which are of critical importance to the State's wellbeing and are often used when assessing risk.[22] There is, however, overlap between these, the DFES Strategic Control Priorities and the Westplan – Fire priorities.

[16] SEMC, Westplan – Fire, 2013, p. 19
[17] Ibid
[18] SEMC, *Emergency Preparedness Report 2015*, October 2015, p. 19
[19] DFES, *Strategic Plan 2012-2024,* 2012, p. 3
[20] SEMC, Westplan – Fire, 2013, p. 19
[21] SEMC, *Emergency Preparedness Report 2015*, October 2015, p. 19
[22] SEMC, State Risk Project, *Western Australia: Working together to manage emergency risk*, no date, https://semc.wa.gov.au/Documents/Resources/SRP%20Brochure.pdf

The DFES *Strategic Plan 2012-2024* identifies the Department's six Strategic Control Priorities. These are:

- protection and preservation of life;
- community warnings and information;
- protection of critical infrastructure and community assets;
- protection of residential property;
- protection of assets supporting individual livelihood and community financial sustainability; and
- protection of environmental and heritage values.[23]

The DFES Strategic Control Priorities are almost identical to the Strategic Control Priorities which were issued by the Victorian Fire Services Commissioner following the 2009 Victorian Bushfires Royal Commission.[24] These priorities were developed to give guidance to Victorian firefighting staff when responding to emergency situations. Since their inception, they have been adopted as 'State Strategic Control Priorities' for application across all emergency response operations in Victoria.[25]

The purpose of the Victorian 'State Strategic Control Priorities' is to:

> *... provide clear direction on the factors that must be considered and actioned during the response to any emergency. The intent is to minimise the impacts of emergencies and enable affected communities to focus on their recovery as early as practicable.*
>
> *The state strategic control priorities underpin the planning and operational decisions made when managing the response to emergencies.*[26]

Importantly, the Victorian State Strategic Control Priorities and the DFES Strategic Control Priorities are not hierarchical in nature (other than the primacy of life remaining as the utmost priority). Their aim is to provide a concise focus for emergency management personal during incidents, but can be ordered and applied as the each individual incident requires.

The Special Inquiry considers that there is a lack of reinforcement of the Strategic Control Priorities outside of the DFES Strategic Plan 2012-2024. It appears to the Special Inquiry that there is more awareness of the priorities for response contained within Westplan – Fire.

Westplan – Fire provides that all fire response is to be based on the priorities of: life; property; critical infrastructure and environment.[27] A DFES District Officer advised the Special Inquiry that the Westplan – Fire priorities are 'drummed in pretty well' as part of training.[28]

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[23] DFES, *Strategic Plan 2012-2024*, 2012
[24] Country Fire Authority Victoria, *Implementing the Government's Response to the 2009 Victorian Bushfires Royal Commission*, May 2011, p. 16
[25] Emergency Management Victoria, *Emergency Management Manual Victoria*, State of Victoria, 2014, at https://www.emv.vic.gov.au/policies/emmv/
[26] Emergency Management Victoria, *Emergency Management Manual Victoria*, Part 3 - State Emergency Response Plan, 2014, page 3.2
[27] SEMC, Westplan – Fire, 2013, p. 19
[28] Norman, P., Hearing, 24 March 2016

The Special Inquiry received numerous accounts of instances where persons affected by the Waroona fire were informed by emergency personnel that their priority was to protect assets, rather than agriculture. One submission from a Waroona resident observed that:

> *[Firefighting] personnel need to be aware that asset protection for farmers should include not only the house and yard but sheds, machinery, livestock, pasture, fences and stockyards – these are the assets and livelihood of farms.*[29]

This was echoed by another Waroona resident's submission:

> *In suburbs, bricks and mortar is top priority, while in grazing a country a hay shed full of hay can be more valuable than a house.*
>
> *The importance farmers put on livestock and animal welfare and farm assets does not appear to be taken into account by the people in control.*[30]

The Special Inquiry notes that the ability to protect agricultural assets was, in some instances, compounded by the deployment of resources not suited to agricultural firefighting, this is discussed further later in this chapter.

Despite this, more flexibility in the application of protection priorities is required to ensure that rigid adherence to the priority doesn't create 'tunnel vision' among emergency services personnel. The use of strategic control priorities which include both assets which recognises many different forms of assets, private property, critical infrastructure, community assets, and assets that support livelihood and business, will allow firefighting efforts to be directed where most appropriate.

The Special Inquiry believes it would be most instructive for one set of strategic control priorities, which are non-hierarchical in nature with the exception of the primacy of life being retained as the ultimate priority to be adopted across for emergency management response in WA. This will ensure all personnel responding to an emergency have a common understanding of the factors that must be considered and actioned during the response to any incident.

Recommendation 6:
The State Emergency Management Committee to adopt, across all hazards, the doctrine of:

- the primacy of life;
- the Strategic Control Priorities" (as documented by the Department of Fire and Emergency Services); and
- community warnings that are timely, tailored and relevant.

Agencies will reinforce amongst emergency management personnel the importance of this doctrine through briefings and intent statements.

[29] Submission of member of the public 100
[30] Submission of member of the public 70

The use of fire progression predictions by the Incident Management Team

There were a number of options for developing fire progression predictions available to the IMT. These include Aurora simulations, Vesta tables, the Sentinel Hotspots website, and accounts from those on the fire front. However, use of these resources was limited, particularly after nightfall.

Early during Operational Period 1 while the fire was relatively small in size air intelligence plots were being provided to the IMT. These plots indicated the fire size and estimated rate of spread.[31] Additional information on smoke behaviour was provided to the Operations Officer from the helitaks providing aerial suppression.[32]

At the same time, the Planning Officer used Vesta calculations – a modelling tool which allows estimates to be made of fire behaviour and spread – as his primary source to predict how fast and fire the fire was likely to move. He, appropriately, based his calculation on the oldest fuel type the calculation, allows 10 to 20 years, to ensure a 'worst case scenario' picture of fire progression.[33]

A map of the fire plot produced on the basis of aerial intelligence was provided to the IMT at approximately 1900 hours on the evening of 6 January 2016. This was the last map made available before the spotter plane was grounded for the evening. [34]

As night fell, the availability of the intelligence required to predict the fire's behaviour was reduced to information relayed from the fire ground. Incident Controller B informed the Special Inquiry, when asked whether any predictions of the fire progression where available when he commenced his shift at 2215 hours on 6 January 2016:

> *No. That was a frustration throughout the night … [W]hat we did know was the fire … was going a lot faster than any of our predictions could – would have suggested that it was going or should have gone.* [35]

He advised the Special Inquiry that the planning section of the IMT never got to the stage of being able to produce a predictive map.[36] He noted that:

> *… where you have got such a dynamic fire, any information you get is useless to you anyway.*
>
> *What we did do was put an experienced officer out into the field and asked them to stay – to get as close to the fire as they could safely, given the access – the egress that was available, and give us as much information as they could about the progress of the fire. But it was – it was patchy.*[37]

[31] Pasotti, M., Hearing, 16 March 2016
[32] Ibid
[33] Todd, B., Hearing, 16 March 2016
[34] Ibid
[35] Low, K., Hearing, 16 March 2016
[36] Ibid
[37] Keith Low Oral Hearing Transcript 16/3/16 p15-16

The Planning Officer A was asked by the Special Inquirer during a hearing whether Aurora – a national bushfire prediction, detection and simulation system – was used for fire progression predictions. He informed the Special Inquiry that:

> *… when I was looking at the maps that were generated … [and were] … kept as part of [P&W's] records in our Kensington office the other day, I saw an Aurora prediction … that was generated apparently around 3 o'clock on the morning of the 7th [January], or it was … based on a fire plot … from about 3 o'clock in the morning.*
>
> *Now, I didn't see that… I have no recollection at all of that, which I'm really confident that I would have noted it, I would have made some reference to it in my fire diary or it would have come up in an incident management team meeting.*
>
> *I just don't recall seeing one at all. Subsequently, down at Waroona, I don't recall seeing any.*[38]

The Special Inquiry is concerned that maps were generated, but not provided, the reason why is not clear, to members of the IMT, particularly the Planning Officer.

The difficulties experienced overnight were reflected in evidence the Special Inquiry received from the Planning Officer C. He informed the Special Inquiry that the IMT did not have a good fire shape at the initial IMT or planning meetings on the morning of 7 January 2016, noting that:

> *[O]ne of the things I asked ... our intelligence unit leader to do – is to look at doing some predictions. And he wasn't able to do that at that stage, because he hadn't had the fire shape. And the intent was – as soon as he had the fire shape, he was able to do those.*[39]

He informed the Special Inquiry that later during Operational Period 2, the planning team produced predictive maps which were used in the preparation of the IAP for the next shift.[40] The Situational Analysis – Values and Objectives part of that IAP, prepared at 1700 hours on 7 January 2016, indicated a high threat to a number of townsites, including Yarloop.[41] The Planning Officer confirmed for the Special Inquiry that:

> *Yes. The work that they'd done on their predictions had showed that … Yarloop was going to be impacted by fire.*[42]

The above demonstrates that, despite the initial lack of predictive information available on 7 January 2016, some predictions were developed later in the day.

The lack of availability of intelligence at night due to darkness restricting the use P&W spotter aircraft, and the lack of information available from staff on the ground clearly hindered the IMT's ability to track and predict the fire's movement and behaviour.

[38] Towers, R., Hearing, 16 March 2016
[39] Carter, J., Hearing, 1 April 2016
[40] Ibid
[41] Incident Action Plan, Shift 3, 7 January 2016, p. 11
[42] Carter, J., Hearing, 1 April 2016

The WA Police submission to the Special Inquiry noted that 'WA Police air assets may assist with night time fire mapping on request'.[43] This was elaborated upon at a hearing with a WA Police Commander who informed the Special Inquiry that one of the agency's helicopters or the Cessna Airvan could be used.[44]

The Special Inquiry discussed the potential for utilisation of the WA Police air resources during the evening of 6 January 2016 and morning of 7 January 2016 with the relevant IC. He advised that:

> *We discussed, for example, the use of the police helicopter with the forward looking infrared camera, but we – we didn't seek that, because – we actively discussed it, but we didn't seek it because there's a – there's too much of a timeline between when you ask for that to occur and even when the photography is taken and when you get access to that.*[45]

It appears to the Special Inquiry that the IMT was left blind to the fire's behaviour and progression overnight. This – paired with the unexpected spot fires in Waroona meant the incoming IMT for Operational Period 2 was left scrambling for intelligence to inform their tactics and strategy for the day of 7 January 2016. The Special Inquiry does not comment on whether WA Police air resources should have been engaged for the purpose of gathering aerial intelligence during the Waroona Fire. It was an operational decision made by the IC at the time, and there are known limitations to the use of the forward looking infrared camera at night during a fire.

The Special Inquiry notes that WA does not have aerial support with infrared line scan capacity. Infrared line scan is an effective tool for obtaining aerial intelligence during the day and at night. Line scanning is undertaken from aircraft flying over the fire area. An infrared picture is taken of the fire. It is then analysed for differences in the heat rising from the earth's surface to determine the fire's edge. This information can be transposed onto a map; a useful intelligence tool for IMTs.[46]

Aerial support with infrared line scan is available from New South Wales and Victoria, and could be in Western Australia approximately 12 hours following a request (subject to resource availability). The deployment of infrared line scan technology during the evening of 6 January 2016 or anytime during 7 January 2016 may have provided the IMT with vital information on fire shape, size and spread.

Opportunity 5: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the proposed Rural Fire Service) to investigate options for improving aerial and satellite based bushfire intelligence gathering. In particular, to investigate the provision of Infra-Red Linescan capability.

[43] Submission of WA Police
[44] Tuttle, J., Hearing, 29 March 2016
[45] Low, K., Hearing, 16 March 2016
[46] Royal Commission into Victoria's Bushfires, McLeod, R. N., Pascoe, S. M., & Teague, B. G., *Final report: Volume 2*, 2010, Melbourne, Government Printer for the State of Victoria, p. 119

Aerial attack

The Special Inquiry has received a number of submissions which suggest aerial support, or an increased level of aerial support, could have been called in to assist in suppression efforts earlier.

The Special Inquiry notes that aerial support was, importantly, part of the initial resource deployment by P&W. P&W requested fixed wing water bombers and helitaks very soon after the fire was detected on 6 January 2016. [47]

Aerial support was maintained over the course of the fire; fixed wing water bombers, helitaks and an aircrane were used in suppression efforts. A summary of the aerial suppression deployment during the initial stages of the Waroona Yarloop fire is detailed in Table 8.1.

Date	Start Time	Air attack	Fixed wing	Helitak	Aircrane	Air Intel	Total
6 January	0754h	2	4	2	1		9
7 January	0615h	3	4	2	1	1	11
8 January	0615h	4	4	4	1	1	14
9 January	0613h	6	8	4	1	1	20
10 January	06h23	3	6	2	1	1	13

Table 8.1: Aerial Fire Suppression Deployment Summary during 6-10 January 2016[48]

With respect to aerial support, a number of submissions to the Special Inquiry have questioned whether LAT or VLAT could have been requested from the Eastern States of Australia to provide additional aerial fire suppression support.

National arrangements are in place for the request of LAT and VLAT; these resources are contracted under the National Aerial Firefighting Centre procurement arrangements, and may be deployed between Australian jurisdictions at any time, by negotiation.

The Special Inquiry was informed that during the period of 6 January 2016 to 19 January 2016 that one VLAT from NSW was available for deployment,[49] and two LATs were available for deployment – one from NSW, the other from Victoria – to WA if requested.[50]

There are a number of logistical considerations such as available, appropriate runways, and retardant mixing capabilities and supplies related to the deployment of LAT/VLAT. There are also operational considerations, as the deployment of LAT/VLAT can affect the use of the State's aerial firefighting assets. DFES noted that:

> *It is estimated that the available State fleet would have completed more drops, impacted a greater range of targets and dropped more water/ suppressant without a LAT/ VLAT than if a LAT/ VLAT was added to the fleet.*[51]

[47] Pasotti, M., Hearing, 16 March 2016
[48] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 38.
[49] With the exception of 14 January 2016 when it was utilised in a NSW fire.
[50] Email from Stuart Ellis to Special Inquirer, 23 March 2016
[51] DFES paper on the use of VLAT provided to Special Inquiry, 13 April 2016, p. 7

The potential use of the LAT/VLAT was considered by DFES during the Waroona fire, and an operational assessment was made they were not required. The FES Commissioner emphasised that the decision not to employ the LAT or VLAT was not based on cost:

> *The Department would have made an appropriate decision based on the effectiveness of the response. Cost would not have been an issue. And I say that notwithstanding the fact that there is some debate around the return on investment.*[52]

The Special Inquiry has received a paper prepared by DFES detailing the rationale for not engaging the LAT/VLAT. The paper notes that the LAT/VLAT would not have been considered suitable for deployment until 0942 hours on the 7 January 2016, when the fire entered pastoral land and a 'long lineal target' was identifiable.[53] The LAT/VLAT would not have arrived in WA for deployment prior to Yarloop being impacted if requested at this time.

The Special Inquiry accepts the operational decision made in respect to LAT/VLAT.

However, the Special Inquiry also notes that there is not a lot of experience or capability familiarity with LAT/VLATs amongst fire management personnel (from both DFES and P&W). Therefore the fact that the IMT officers did not request the LAT or VLAT aircraft is hardly surprising.

The view of the Special Inquiry is that the mere fact that individual officers on the IMT did not request the aircraft does not preclude DFES, as the HMA for fire, from considering or proactively requesting them as a resource that could have been made available either for this fire, or in the event of another fire.

The transition to Waroona Incident Control Centre

While there are benefits in an incident being managed as close as possible to where the incident is taking place,[54] it has been recognised that the relocation of the ICC to Waroona impacted the IMT operations in the transition period.

The Joint Agency Operational Audit (JAOA) noted that the mobile P&W ICC deployment and associated infrastructure in Waroona appeared to have met the IMT's requirements;[55] nevertheless, it is also noted that the ICC was temporarily compromised by highway closures and the possibility that the fire could have overrun the ICC itself.[56]

It is recognised that proximity to the fire ground is generally an advantage when managing an incident – however, there was potential for the ICC to become isolated in the event the fire had a greater impact on Waroona than it did.[57] Following the fire, Operations Officer A commented to the Special Inquiry that:

> *When the northern flank was overrun that night [7 January] … it looked like that fire was actually going to overrun the town of Waroona and cut the southwest highway to*

[52] Gregson, W., Hearing, 6 April 2016
[53] DFES paper titled '*Consideration of whether the provision of Large Air Tankers (LAT) during the Waroona Incident would have affected the extent and impact of the fire*' supplied to Special Inquiry, 14 April 2016, p. 7
[54] Low, K., Hearing, 16 March 2016
[55] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 46
[56] Ibid, p. 62
[57] Ibid, p. 43

> *the north of Waroona as well, which would have meant that the ICC was isolated from the rest of the world as well as Waroona, so it had a potential to cut power, services and access to the control point.*[58]

Additionally the JAOA also recognises that there were issues with the location chosen for mobile ICC.

As a result of road closures, which were put in place when the fire crossed the South Western Highway and the Forrest Highway, some of the Red IMT members had difficulty accessing Waroona for shift commencement at 0600 hours on 7 January 2016. This resulted in a handover that was staggered between P&W Mundaring office and the Waroona ICC. Much of the handover between the outgoing and incoming IMT staff members occurred by phone and email between approximately 0700 and 1000 on 7 January 2016.[59]

The Special Inquiry understands that there was a proposal to bus members of the outgoing IMT to Waroona to brief the members of the incoming IMT. However, this did not eventuate.[60]

Incident Controller B who was initially working from the P&W Mundaring Office advised the Special Inquiry that the handover to the IMT at the Waroona ICC:

> *… wasn't an ideal handover for two reasons. One was that we weren't face to face. And the other was that it occurred in terms of discussion of substantive issues … when [the incoming Level 3 IC] had effectively been in situ and had received a lot of situational awareness on-site at Waroona before we spoke.*[61]

It is noted in the JAOA that existing offices of key combat agencies are not designed to operate as Level 3 ICCs and that pre-identified locations for possible Level 3 ICCs have not yet been developed.[62]

The Special Inquiry makes the following observations regarding the Waroona ICC:

- It is unclear to the Special Inquiry whether consideration was given to changing the location of the ICC at Waroona Oval (prior to it being completely established) given spot fires had broken out around the town on the evening of 6 January 2016 and during the night parts of the Forrest and Southwest Highway were closed.[63]
- There was little overlap in the operation of the Mundaring ICC and the Waroona ICC – ideally there should have been some overlap in operation to ensure Waroona was up and running before downscaling Mundaring.
- The ICC transfer occurred at the same time as an IMT shift change. This didn't allow for any continuity in the IMT or for ideal handovers between staff.

[58] Pasotti, M., Hearing, 16 March 2016
[59] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 43
[60] Mair, G., Hearing, 26 April 2016
[61] Low, K., Hearing, 16 March 2016
[62] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 62
[63] Incident Action Plan, Shift 2, 7 January, p. 4

Can the operation of Incident Management Teams be improved?

Incident Action Plans

It is a minimum P&W requirement that an IAP be prepared for Level 2 and 3 incidents within four hours of IMT assembly.[64] P&W SOP 003 details the minimum standards for the content, preparation, timeliness and usefulness of P&W prepared IAPs. IAPs are required for each shift to deal with the changing situation.[65]

It is recognised by the Special Inquiry that the initial P&W IC prepared an IAP during the first three and a half hours of the fire being detected – while it was a Level 1 incident. While this allowed for early consideration of strategy, tactics, resourcing and triggers by the IMT, the Special Inquiry heard from Incident Controller A that:

> *It can be a very time-consuming effort and often, in the initial stages of a fire, you're still building up your resources and your staffing so it's an issue that a planning officer, an initial planning officer would need to do with perhaps some minor assistance*
>
> *… [T]here needs to be, I think, a template with standard drop-down boxes and things like this so that the whole process is very streamlined and it very much prompts you to provide the information that others will need … [I]t's a very important document but it needs to be streamlined in the process of doing it and it can be – you know, it is electronic at the moment. You've got a spreadsheet there but I would like to see, you know, things like drop-down boxes and also the information that's in it to be reviewed.*[66]

Incident Controller B concurred with the Incident Controller A's sentiments, informing the Special Inquiry:

> *[O]verall, our incident action plans, I think, are clunky and cumbersome, and we need to look at a more succinct version, particularly to go out into the field.*[67]

The utility of four hour IAPs in their current form was discussed with many witnesses who appeared before the Special Inquiry. As a result, the Special Inquiry is of the opinion that there is potential to review the suite of current planning documents which make up the four-hour IAP in order to produce a more concise report that could more easily be prepared within that four-hour period.

A more streamlined IAP would allow the IMT to concert their efforts on managing the initial response to the incident. This was recognised by the MIR of the Esperance district fires,

[64] P&W SOP 077 – '*Deployment of Mobile Incident Management Facilities and Support Equipment*', 1 December 2015
[65] P&W SOP 003 – '*Minimum requirements for incident actions plans*', 1 December 2015
[66] Ridley, J., Hearing, 17 March 2016
[67] Mair, G., Hearing, 18 March 2016

which recommended that IAP formats and processes are reviewed to ensure they are appropriate to the nature of the emergency response.[68] The MIR noted that:

> *IAP formats and processes need to take into account the phase of the response, and must ensure fire responders receive appropriate information. Fire agencies may consider different levels of complexity of IAPs depending on the phase of the response. During the escalation of a fire, there may be shorter more focused IAPs that communicate the key safety and operational information that is needed by crews on the ground.*[69]

Similar to the above, the Special Inquiry is of the view exploration should occur as to whether the initial four hour IAP requirements in the AIIMS system could be refined. This should be undertaken by DFES and P&W, in conjunction with the Australasian Fire & Emergency Service Authorities Council (AFAC).

Opportunity 6: The Departments of Fire and Emergency Services and Parks and Wildlife, in conjunction with Australasian Fire & Emergency Service Authorities Council, to explore the development of a standardised approach and content for an 'initial (4 hour)' Incident Action Plan.

Use of the Incident Controller's time

The Special Inquiry notes that a large amount of the Level 3 ICs' time particularly during Operational Period 2 was consumed by attending various meetings, included an IMT meeting at 0923 hours, immediately followed by an Incident Support Group (ISG) meeting at 1030 hours, immediately followed by a community meeting in Waroona at 1130 hours (which the IC was five minutes late arriving, due to the ISG meeting), a pre-recorded interview with the ABC at 1253 hours, a community meeting in Pinjarra at 1400 hours and some media interviews at 1700 hours.[70]

Incident Controller C gave evidence to the Special Inquiry that:

> *… the travel in between [incident management team meetings, incident support group meetings and community meetings] is very consuming and it would take me out of the incident control centre for extended periods of time … [D]riving to Pinjarra from Waroona was a 25, 30 minute drive. So there's an hour straight just in the travel then the time at the meeting.*[71]

He went on to advise the Special Inquiry that there is there is an expectation in the community that someone senior, preferably the IC, attends community meeting, and that a similar expectation exists among the agencies present on the incident support group. The IC noted that he can be perceived as seeing these tasks as unimportant by sending a junior officer.[72]

[68] Nous Group, *Major Incident Review of the Esperance district fires: Department of Fire and Emergency* Services, 8 March 2016, p. 63
[69] Ibid., p 63
[70] Mair, G., Hearing, 16 April 2016
[71] Mair, G., Hearing, 18 March 2016
[72] Ibid

He also suggested to the Special Inquiry that his Deputy IC was "less comfortable in doing community work, the media work, and the ISG Local Government and agency work, than I was."[73]

Incident Controller C informed the Special Inquiry that the division of roles between the IC and the Deputy IC was "a five minute conversation on the run, first up in the morning, to actually identify roles and responsibilities between myself and my deputy."[74]

With such a large scale, dynamic and demanding fire as the Waroona fire, it appears to the Special Inquiry that the IC's attendance at community and incident support group meetings took critical time at a period where the IC was getting a grasp on the overall situation. The IC reinforced that, in his mind, the IC needs to be available to attend these public briefings personally so that he is able to hear their concerns directly and that they can hear the IC's briefings. This is acknowledged and respected. However, there is a potential that the IC may be distracted from developing and monitoring strategy at a crucial phase of the fire.

The Special Inquiry believes that, with the benefit of hindsight, some of the IC's duties in his first work period, in particular attendance at community meetings, could have been delegated to the Deputy IC or the most relevantly qualified person within the IMT. This would have eliminated the travel time and time spent in meetings, allowing the IC to spend more time with the IMT establishing the strategy for the day.

The Special Inquiry is not suggesting the IC's involvement in community meetings and ISG meetings affected his abilities or the outcome of the Waroona fire. It is simply stating that an IC's time in any Level 3 incident is precious and it is best used on developing strategy and ensuring resources are properly tasked. Therefore, there needs to be an option that other senior members can attend community briefings as a back-up plan in case the IC is unable to personally attend a particular community briefing.

Considerations for 24-hour Incident Controller and Incident Management Team shifts

In WA, AIIMS is generally implemented in a manner which provides for two 12 hour shifts in a 24 hour period. This was evidenced in the Waroona fire where, other than for Operational Period 1, the remainder of the Operational Periods were 12 hours in length, with an incident action plan required for each shift.

The current practice was discussed with the Incident Controller B:

> *The first IC might do a 24 hour shift, as all the resources in the incident may well do – their first shift might be a 24 hour shift, in terms of the time from when they start – commenced work on the day that the fire commenced.*
>
> *Generally … it's not practical to have a shift change on the evening of the first day, so we will work everyone, including the incident controller through that night. So they might have only been on the fire for, you know, 15 or so hours, but they have had a 24 hour shift, working shift …*

[73] Ibid
[74] Ibid

> *[A]fter that, we will usually fall back to a default of notional 12 hour shifts. There has been some discussion of 24 hour shifts [and] models which would allow an incident controller to remain the IC of an incident on an ongoing basis, but where they had a deputy that could deputise sufficiently for them to have the rest periods that they need.*[75]

The Special Inquiry has considered whether there is opportunity for 24 hour shifts to be undertaken by ICs and IMT members to ensure continuity of coordination. Several Australian jurisdictions have adopted 24 hour shifts for IMT members as standard practice during significant incidents. Further, the practice is common practice in parts of the United States of America and Canada. This idea was tested with a number of witnesses.

When asked by the Special Inquiry about his familiarity with different ways of undertaking incident management in Australia and North America, the Planning Officer C noted:

> *[The] 24-hour shift has a lot of advantages. I should say the 12-hour shift works well for the incident management team when it's based in one location and you're reasonably close to your accommodation … I can see a lot of benefit of having 24-hour shifts and having a planning officer and a deputy planning, incident controller, deputy incident controller staggering their shift starts and finishes so you have that familiarity of – over that 24 hours. You're not changing from one person to another person… [H]aving the continuity is very beneficial.*
>
> *In this fire here as opposed to fires in previous years, I think the … continuity wasn't too bad for those 12-hour shifts. You had the same people coming back on in between shifts. Where it has failed, I think, is where you get a planning officer on one shift and he only does one shift or two shifts, [he] doesn't build up that knowledge of the incident ... [T]hen you get a new person in and they have to start learning from the start. I think that's a real danger and a real risk to incident management.*[76]

The Special Inquiry also heard from the Operations Officer B that having a 24 hour shift, accompanied by a 24 hour IAP would "iron out so many – so many problems".[77] In particular, a 24 hour shift would allow the IMT focus more on the incident, rather than being preoccupied with preparing an IAP for the next shift's arrival, relatively early on, as occurs in a 12 hour shift.

The Special Inquiry believes that the merits and disadvantages of the IC and IMT work cycle being extending over a 24 hour period (but still allowing for individual rest times in line with fatigue policy) for all shifts should be investigated by DFES and P&W.

Opportunity 7: The Departments of Fire and Emergency Services and Parks and Wildlife to assess the merits and disadvantages of Incident Controller and Incident Management Team work cycle extending over a 24 hour period (but still allowing for individual rest times in line with fatigue policy).

[75] Low, K., Hearing, 16 March 2016
[76] Carter, J., Hearing, 1 April 2016
[77] Chick, J., Hearing, 1 April 2016

Network of Western Australian Government agency personnel

The Special Inquiry heard that a number of qualified Incident Management personnel from P&W have gone on to pursue career opportunities with other government agencies. Such a move often precludes them from continuing with their IMT role. An example provided to the Special Inquiry was an employee with GIS experience who had transferred to the Department of Planning and was no longer able to participate in IMTs.

The Special Inquiry heard that, arising from the split of Department of Environment and Conservation (DEC) into P&W and the Department of Environment Regulation, staff have been specifically dissuaded from participating in IMT roles.

Ultimately this is a question for Government and the relevant agency heads. However, it seems to make sense that, in times of major emergency, all relevant government agency staff are ready and utilised.

Natural disasters are set to increase in prevalence and impact. Policy encourages a philosophy of "Shared Responsibility" and asks citizens to act on their own risk. It seems logical that government agencies themselves should be ready and share the Incident Management workload through their agency staff. If nothing else, this would set an example that government is prepared to commit all the resources it has during times of major crisis or emergency.

Recommendation 7: The State Government to establish an arrangement to develop a 'network' of Western Australian State Government agency personnel who can be called upon for bushfire and emergency incident management capability within Western Australia. The arrangement will be led by the State Emergency Management Committee and modelled on systems used by the Department of Parks and Wildlife.

The need for multi-agency pre-formed Incident Management teams

The concept of multi-agency pre-formed IMTs is well established in many jurisdictions.

Research from the Bushfire Cooperative Research Centre suggests that pre-formed incident management teams perform better on a number of measures, including timeliness of decision making, and the level of team situational awareness, than those established for the first time on the day of an incident.[78]

The Special Inquiry is concerned that there are no pre-formed Level 3 IMTs which involved substantial numbers of both P&W and DFES personnel (inter-agency pre-formed IMTs). The Red IMT which was initialised for Operational Period 2 had limited representation from DFES.

[78] Hayes, P, & Omodei, M, *Getting the best bang for your buck: Ad hoc or pre-formed incident management teams?*, Proceedings of 3rd Human Dimensions of Wildland Fire, April 17 - 19, 2012, Seattle, Washington, USA, International Association of Wildland Fire, Missoula, Montana, USA

The JAOA recognised the lack of local inter-agency pre-formed IMTs (including DFES, P&W, LG, functional area specialists) as an 'emerging issue' that did not directly impact on the incident, but has the potential to adversely impact bushfire operations in WA.[79]

The Special Inquiry considers the lack of inter-agency pre-formed IMTs to be an ongoing rather than an 'emerging' issue. The need for inter-agency pre-formed IMTs was discussed in the MIR of Toodyay Fire December 2009,[80] and the PIA for the 2011 Margaret River Bushfire.[81]

The MIR of Toodyay Fire stated that FESA (now DFES) should incorporate the development of pre-formed multi-agency IMTs into preparedness activities to ensure that appropriate structures are in place early in the incident. It was recommended that:

> *FESA establishes a process (and associated systems and policies) to mobilise staff to an incident, incorporating pre-formed multi-agency Incident Management Teams.*
>
> *The development of Incident Management Teams should align with the principles of seamless and integrated escalation of command and control arrangements, and be based on a whole of capability approach (people, organisations, systems, training, procedures etc.).*[82]

The absence of pre-formed inter-agency IMTs was again noted in the PIA for the 2011 Margaret River Bushfire. It identified that a lesson learnt as a result of the fire was that DEC's (now P&W) fire management expertise should be augmented by multi-agency IMTs that incorporate the expertise of other agencies and in fast developing situations the appropriate decisions will need to be made early. The PIA recommended that there be an increase in frequency of multi-agency exercises and ensures debriefings cover effective deployments and update doctrine and training to reflect changes.[83]

The Special Inquiry notes that attempts were made to establish inter-agency IMTs. Until 2013/14, a small number of DFES regional personnel were members of P&W pre-formed IMTs.[84]

More recently, the 'Major Incident Review of the Esperance district fires' recommended that there needs to be 'pre-formed flexible multi-agency IMTs'. The Review recognised that:

> *Establishing multi-agency pre-formed IMTs would make it easier to deploy adequate IMT resourcing to major incidents. The benefits of pre-formed IMTs have been identified by agencies and in research, primarily relating to the development of strong working relationships between IMT members.*[85]

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[79] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016 p. 62
[80] Noetic Solutions, *Major Incident Review of Toodyay Fire December 2009*, August 2010
[81] Noetic Solutions, *Post Incident Analysis for Blackwood Fire 8 – Ellensbrook – Gnarabup, 23/24 November 2011*, 2012
[82] Noetic Solutions, *Major Incident Review of Toodyay Fire December 2009*, August 2010, p. 16
[83] Noetic Solutions, *Post Incident Analysis for Blackwood Fire 8 – Ellensbrook – Gnarabup, 23/24 November 2011*, 2012
[84] Submission of P&W
[85] Nous Group, *Major Incident Review of the Esperance district fires: Department of Fire and Emergency* Services, 8 March 2016, p. 62

The P&W submission to the Special Inquiry notes that the arrangements work well from the perspective of P&W. However, due to operational and other departmental requirements, DFES ceased participation in the pre-formed teams.

The P&W submission to the Special Inquiry notes that efforts by both agencies to develop integrated inter-agency pre-formed IMTs since 2013/14 have not overcome interdepartmental issues including: differing industrial, rostering and funding arrangements; difference in the range of tenures and hazards dealt with by the departments; and the associated availability requirements of personnel throughout the year.[86]

Despite these barriers, P&W's submission to the Special Inquiry indicates P&W's support for the concept of multi-agency pre-formed teams for major bushfire incident management. The submission recognises that the establishment of the teams needs to take into account of the cultures, resources, businesses and non-fire responsibilities of DFES, P&W, other agencies and Local Government.[87]

The FES Commissioner advised the Special Inquiry of his own frustrations experienced when trying to maintain inter-agency pre-formed IMTs:

> *A range of barriers have been encountered, including differences in the employment award conditions and the different agency – of different agency employees – my all-hazard requirements, when, for example, Parks and Wildlife, although fully committed to fire as a hazard, have no capacity or interest in IMT teams responding to flood or cyclone or other hazards, and also the inability to be able to secure adoption within Parks and Wildlife to introduce WebEOC as a multi-agency incident management system.*[88]

The FES Commissioner indicated his strong support for a recommendation by the Special Inquiry that there be a renewal of inter-agency pre-formed IMTs for bushfire in WA, adding, when asked about the potential recommendation:

> *I would support it even more greatly if you put 'to be completed by the next bushfire season' as part of your recommendation.*[89]

The Special Inquiry notes the condition emphasised by the FES Commissioner that any IMT arrangement reflects "my all-hazard requirements". The immediate need is to move to multi-agency pre formed IMTs for bushfire in the first instance. The Special Inquiry strongly suggests that prior to developing an all-hazards approach, multi-agency pre-formed IMTs for bushfire are established. Ensuring the model is right for bushfire first is important before the concept is extended to all hazards.

It is noted that the SEMC's O'Sullivan and Lower Hotham Bushfires Review was released in February 2016 and recommended that:

> *While recognising that workforce management, resourcing and geographical constraints present significant challenges, DFES and Parks and Wildlife should*

[86] Submission of P&W
[87] Ibid
[88] Gregson, W., Hearing, 6 April 2016
[89] Ibid

consider alternative approaches to determine how they will establish flexible multi-agency pre-formed IMTs, at both Levels 2 and 3, to be prepared for forecast levels of bushfire risk.[90]

The Special Inquiry supports this recommendation. It is noted that the recent release of the Review means the recommendation is still under consideration by the Departments.[91]

The Special Inquiry is of the view that the lack of cohesion between DFES and P&W displayed at times during the Waroona Fire could be bridged by the formation and ongoing promotion of inter-agency pre-formed IMTs, paired with regular training exercises of the teams to provide experience and increase expertise.

The Special Inquiry strongly believes that there needs to be inter-agency pre-formed Level 3 bushfire Incident Management teams for the Perth Hills and the South West. The difficulties experienced to date are recognised by the Special Inquiry, however, these need to be overcome for the sake of rural fire capability and community safety in WA.

The Special Inquiry notes the supportive views expressed by both the FES Commissioner and the Director General of P&W, and is of the view that inter-agency pre-formed IMTs need to be in place for the 2016/17 bushfire season.

Recommendation 8: The Departments of Parks and Wildlife and Fire and Emergency Services to adopt the policy that all bushfire Level 3 Incident Management Teams in the Perth Hills and the South West will be integrated and pre-formed from the start of the 2016/17 fire season with substantial involvement of both the Departments of Parks and Wildlife and Fire and Emergency Services personnel on all teams.

Are we 'working as one' in incident management?

Location of the Waroona Incident Control Centre and Department of Fire and Emergency Services Incident Control Vehicle

The JAOA notes that during a teleconference on 6 January 2016 between the incoming Level 3 IC, the DFES Duty Assistant Commissioner and the incoming Deputy IC, consideration was given to splitting the fire and associated responsibilities between two ICs. A decision was made not to split the responsibility and it was agreed that a single IC would maintain command.[92]

Despite this decision, it appears that there was some division in command and structure.

Responsibility for the fire was split into divisions, with east of Southwest Highway becoming P&W responsibility, and west of South Western Highway being DFES responsibility. In addition to this division, the Special Inquiry has received evidence that there was some physical separation in P&W and DFES operations.

While the P&W IMT established the Waroona ICC on the Waroona Oval, evidence has been given that DFES briefly established their command at the Waroona Council Offices before

[90] Recommendation 3.2.1 of SEMC, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 16
[91] Submission of P&W
[92] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 12

moving to the Waroona Fire Station. [93] The DFES Incident Control Vehicle (ICV) was initially located outside the Waroona Fire Station. Incident Controller C informed the Special Inquiry that, at the time the Waroona ICC was established:

> *I made it very clear there is only one ICC and that is the one that we were setting up and that everything needs to be pulled into that …*
>
> *I wasn't 100 per cent comfortable with the fact that the van [the ICV] was in the main street and a little bit of separation from us [the Waroona ICC], and that is why I also sought assurance from our operations officer that they were all talking and working.*[94]

The distance between the two was approximately 100 to 150 metres, and it was reported to the Special Inquiry that this created a disconnect between the P&W IMT and those working in the DFES ICV.[95] There was a need for IMT staff to engage in 'to'ing and fro'ing' between the ICC and the ICV to ensure coverage of both sides of the fire.[96]

Relocation of the DFES ICV to a position closer to the Waroona ICC had been suggested on the morning of 7 January 2016; however due to the ongoing fire management priorities, it was unable to occur until the morning of 8 January 2016.[97]

Incident Controller C informed the Special Inquiry:

> *I think it was one of the night shift, probably … the nightshift IC, [who] directed that [the] van, the DFES [ICV] van, be moved in off the highway away from the fire shed and be part of the setup we had inside the oval.*[98]

The Special Inquiry heard that the relocation of the ICV to the Waroona ICC, and the subsequent inclusion of the DFES Deputy Operations Officer in the same mobile office as the P&W Operations Officers more effective from the P&W staff's point of view.[99] Despite this, it was observed by Incident Controller C that:

> *I did notice that a couple of days later, it was back out … on the highway. I don't know the circumstances to that.*[100]

Incident Controller C considered this matter again in his written submission to the Special Inquiry:

> *The movement of the [ICV] into and out of the Waroona Incident Control Centre complex on several occasions was curious and I trust this was only for practical reasons.*[101]

[93] Low, K., Hearing, 16 March 2016
[94] Mair, M., Hearing, 18 March 2016
[95] Todd, B., Hearing, 16 March 2016
[96] Ibid
[97] Ibid
[98] Mair, G, Hearing 18 March 2016
[99] Todd, B, Hearing 17 March 2016
[100] Mair, G, Hearing 18 March 2016
[101] Supplementary information, Mair, G, 6 April 2016

The DFES witnesses before the Special Inquiry explained that the ICV was originally set up at the Waroona fire station (originally the Council offices) as the set-up of the mobile ICC on the Waroona Oval was not complete. Later, the ICV became the divisional headquarters for the division west of the South Western Highway.[102]

The Special Inquiry also received a submission from a member of a Volunteer Bush Fire Brigade deployed to the Waroona fire. He advised the Special inquiry that during his second deployment on 15 January 2016:

> *There was a clear lack of cohesion between DFES, [P&W] and volunteer BFBs at this fire. When we arrived at the control point in Waroona on the morning of the 15th we searched around to find where to book in and lodge our t-cards. We visited the central area ... and spoke to the Operations Officer, a [P&W] officer ... and a number of other people. We asked where we should book in and no one was able to tell us.*
>
> *What struck me about this was that no-one in the central command area knew where the DFES people were set up, 9 days into the fire. The Ops Officer didn't know ... The distance between the central Ops area, and the fire station, is approximately 130m as the crow flies. It [was] as if some form of apartheid was in operation, with the [P&W] people using one set of facilities and the DFES people another. I'm not entirely sure how they were communicating with each other.*[103]

The reported lack of cohesion between the departments, not only in the first day of the Waroona ICC operation but a number of days into the firefighting effort, is of concern to the Special Inquiry.

In addition to the separation of the ICC and ICV, the Special Inquiry also received evidence that a separate, somewhat independent fire command was set up by Bush Fire Brigade Volunteers at Cookernup Fire Station.[104] The Special Inquiry understands this was set up due to the Harvey CBFCO's frustrations with the central commands in Waroona, and due to road closures making it difficult for him and his teams to 'check in' at Waroona prior to fighting the fire.[105] One volunteer fire fighter working from Cookernup Fire Station informed the Special Inquiry that:

> *[W]e kind of became our little control point.*[106]

Despite the formal incident management and command structure in place in Waroona, this set up was able to evolve on its own, outside of the established structure.

Given that, as a Level 3 fire, overall control of the fire automatically falls to the FES Commissioner, and that a P&W IC had been appointed, it would be anticipated that there would be a high level of coordination between the two agencies on the fire ground, and with the volunteers from Bush Fire Brigades, to ensure both agencies were aware of what was happening.

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[102] Wegwermer, T, Hearing 21 April, Delaney, R, Hearing 29 March 2016, Norman, P, Hearing 24 March 2016
[103] Submission of member of the public 13
[104] Penny, P., Hearing, 4 April 2016
[105] Penny, P., Hearing, 10 March 2016
[106] Lawrence, R., Hearing, 4 March 2016

The State Operations Centre, Metropolitan Operations Centre and Regional Operations Centre in operation during the Waroona fire

The Special Inquiry received evidence that there was some breakdown in the line of control with:

- resource deployments and command being made without IC or IMTs knowledge;
- resource requests being made without the IC or IMT's knowledge; and
- situational awareness information being provided to the SOC or the MOC before, or even instead of, being provided to the IC or IMT.

Additionally, the role of the ROC and SOC could have had in reviewing the IAPs, offering resources and providing a check for the IMT was not recognised or undertaken.

Resource tasking by the State Operations Centre

The Special Inquiry received evidence that the line of control was not being followed, and it was unclear how decisions on deployment and tasking were being made. A submission to the Special Inquiry stated:

> *The CBFCO was advised that crewing was the responsibility of the Incident [Management] Team, who would advise the SOC, who would in turn advise the SW ROC, who was required.*
>
> *However, across the period, the CBFCO (and others) received requirements from Sector Commanders, the ICT and SW ROC that were sometimes (enough times that it was a problem) untimely and inconsistent.* [107]

The impact of this was significant:

> *[It] resulted in crews being sent to the wrong Divisional Control, ... crews being demobilised (after arriving at the ICV) only to be remobilised again some hours later after arriving home, and being deployed to another ICV by a separate sector. This had impacts on crew planning and caused an excessive number of crew changes and calls to be required by brigades – on top of hundreds already made getting crews. This communication issue reflects on DFES planning and management*.[108]

Deputy Operations Officer B was not aware of this occurring:

> *SPECIAL INQUIRER: Is it ever – have you ever seen where the SOC will come in and say, "Where are you? Move from this location to that location"?*
>
> *WITNESS: Never. No. Left to the IMT.*[109]

[107] Submission of Dardanup Volunteer Bush Fire Brigade
[108] Ibid
[109] Norman, P., Hearing, 24 March 2016

The FES Commissioner, when asked about the situation described above, informed the Special Inquiry that he would:

> *… find that surprising. I would say that as a matter of record, if the State Operation Centre were to give a specific directive to resources to intercede in a response area that would be most unusual, it – I'm not saying it could never occur, but I would find it very, very unusual …*
>
> *I would find it, however, most unusual… and to an extent inappropriate, depending on the circumstances, for the SOC to task resources to an area...*[110]

The Special Inquiry received evidence indicating that the SOC directly intervened in incident management; resources were tasked and controlled on the fire ground without the knowledge of the IMT. An example of this was the deployment by the MOC of the Rockingham Pumper (along with a Task Force) directly to Lake Clifton. This vehicle was subsequently burnt over by the fire and destroyed, with DFES personnel suffering minor injuries.[111] The Incident Controller at the time only learned of this burn over after he left the fire and returned to his home location days later.[112] This is discussed in more detail in Chapter 10.

The correct line of control and process for resource tasking should be reinforced among DFES and P&W staff.

Resource requests and deployment

The JAOA notes there were some reports of resource deployments being made to the incident in the absence of a request from, or without the IMT's knowledge. The JAOA notes that this has occurred at previous Level 3 bushfire incidents, including the February 2015 O'Sullivan fire.[113]

It is also noted in the JAOA that the flow of resource request information from the IMT to the ROC was hindered, as some personnel were not operating according to defined protocol. There were instances of resource requests being sent directly from the IMT to either the SOC or MOC, rather than through the ROC as required by protocol.

The JAOA suggests this may be attributed to a lack of understanding of DFES operational structure by some regional personnel, and may be due to ongoing differences between the agencies understanding of IMT responsibilities. These issues were recorded in the SOC at 2200 hours on 7 January 2016 and were resolved at 2340 hours on 7 January 2016.[114]

[110] Gregson, W., Hearing, 6 April 2016
[111] DFES, Internal report Rockingham pumper burn over investigation, provided to the Special Inquiry 20 March 2016, p. 19
[112] Mair, G., Hearing, 26 April 2016
[113] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 46
[114] Ibid

Evidence presented to the Special Inquiry also suggests that resources were being sent to the Waroona fire by the SOC and ROC without a request being made by the IC or IMT:

> *State [Operations Centre] don't advise the IMT who's coming and who they are to replace that well. That needs to improve.*[115]

If the IMT is not informed of the incoming resources, resources may arrive at the fire without IMT having the opportunity to consider where they would be best tasked, leading to inefficiency.

The Special Inquiry is of the view that the process for requesting resources during a Level 3 incident needs to be reaffirmed with DFES and P&W staff. The IMT should be informed of all resource deployments to an incident by the SOC, MOC, or ROC, which are not initiated by the IC or IMT. This will allow for the IMT to give adequate forethought to the tasking of deployed resources.

Provision of information to the State Operations Centre ahead of the Incident Management Team

The Incident Controller C informed the Special Inquiry that there were instances during the Waroona Fire where:

> *… information that should come to incident control centre to the IMT, goes to SOC or a ROC, and – and then it's either a delay, or we don't get it.*[116]

He elaborated:

> *Some of that is compounded by – DFES has very much a central reporting tendency … That has got to be sorted out, you know, how the SOC and ROC actually function, and what their role is in an incident needs to be much, much clearer than what it is now.*[117]

The Special Inquiry strongly agrees with the statement that the function and role of the ROC and the SOC needs to be clarified.

Planning Officer C relayed similar concerns to the Special Inquiry:

> *We have had issues, and we're still having issues … a lot of the times … our intelligence … would come up with a fire shape. That [information] would then be transmitted to the state operations centre, the SOC… And there would be a delay in getting that information back to the ICC, to our intelligence unit, our intelligence mappers, to create a map.*
>
> *So there was, especially in that early stages, the first couple of shifts or first couple of days – there was a lack – a lag time of getting that current information back to the ICC.*[118]

[115] Norman, P. Hearing, 24 March 2016
[116] Mair, G., Hearing, 18 March 2016
[117] Ibid
[118] Carter, J., Hearing, 1 April 2016

When asked whether he knew what caused the delay, the Planning Officer informed the Special Inquiry that:

> *I believe that at the SOC they had their own mappers getting the information and creating a map, and then provide the data back to the incident. So they were doing – almost duplicating what was happening at the incident control centre, I believe …*
>
> *It's not ideal … we need and we demand the information immediately. As soon as it comes available, we should be getting it, so we have the current information and we can use it how we need to. The other issue is – of not having the currency – is that if you've got duplication of roles, you may have one person doing a similar sort of role, but coming out with a different product.*[119]

It is not appropriate for the Special Inquiry to speculate on what effect the delays in the provision of information had on operations. However, in any fire situation – let alone a fire as fluid and unpredictable as the Waroona fire – current and accurate information is vital to ensure the IC and the IMT have situational awareness and can formulate appropriate strategies.

Information needs to be provided to the IMT as a matter of priority. Clarification of the process of the SOC receiving information and sharing it with the IC and IMT should be undertaken to ensure the IMT has the most up to date information at all times.

This again throws the spotlight on the role of the SOC and the ROC and their respective reporting lines. The FES Commissioner has indicated that AFAC is currently working with jurisdictions to develop a common approach to the line of control from a State level to the IMT.

[119] Ibid

Chapter Nine – Resource Efficiency

> *We can't run fires as a single entity in this state while we don't have across-agency interoperability.*[1]

Observations on resource management over the course of the fire

The Special Inquiry has considered the following key points in relation to resource management:

- reports of idle equipment and personnel;
- the deployment of equipment to the fireground which may not have been suitable for the rural-urban interface fire being fought;
- the need for private firefighting resources to be recognised and utilised; and
- the lack of a common or interoperable resource management system between P&W and DFES.

Tasking, deployment and response – "Firefighters should fight fires"

While much evidence presented to the Special Inquiry has focussed on deficits with the response to the Waroona fire, it is important to recognise where a job was well done. A Waroona resident provided the Special Inquiry with a copy of the email of thanks she sent to a DFES officer she received assistance from:

> *I raced … to inform you that my husband and two young sons were near our house … and needed assistance. You were by yourself and made radio contact, and [was] advised to take a meal break. Your response was "Negative, I require units".*
>
> *Within minutes you had 2 or 3 light vehicles – Wanneroo Units which were low on water but happy to follow me back to our farm and refill with our high pressure irrigation system and be directed back out to where they could cross the paddock to assist my family. Your third unit was waiting on Buller Road for us and followed them out. By the time I got back to your corner you had organised some heavy units, passed on a message from my husband regarding a tractor and assured me that you would send my boys home. This was a relief as it meant my sons could patrol our western boundary for spot fires.*
>
> *Not once did you doubt my request or hesitate to help. The firies that filled up with water at our farm before heading out talked to me and kept me calm and gave me such confidence. I believe they were Wanneroo [and Perth] volunteers … using Kalbarri units. Please let these people know how much I appreciated their actions that night...*[2]

Unfortunately, the negative stories outnumbered the positive causing the Special Inquiry to consider reports of idle equipment, the appropriateness of deployed equipment, and delays in tasking of available resources.

[1] Mair, G., Hearing, 18 March 2016
[2] Submission of member of the public 100

Reports of idle equipment

The Special Inquiry received numerous accounts from members of the public about firefighting equipment which was idle or refused to provide assistance, despite the presence of nearby or specific requests from local residents. One submission to the Special Inquiry from a Cookernup resident recounted:

> *We then moved onto the next property in a convoy, which consisted of two farm units, a loader, and [a] water truck. This was the first time we saw fire trucks, but instead of feeling relief, we felt disgust as they were all stationary, parked in a neat half circle, facing the fire and taking photos of the fire or themselves with their mobile phones.*
>
> *We looked over and saw farm fire units, fighting the front of the fire. Not one fire truck was in the fire line assisting these farmers. We left shaking our heads and moved onto the next property.*[3]

Another submission from a Waroona resident informed the Special Inquiry that:

> *On several occasions I asked the DFES crews to come and help put out the fire and work in conjunction with us, however, they gave the same response as they had with [another Waroona resident] the previous night. They said their orders were to defend property and infrastructure only, not to put out fires in paddocks or bush.*[4]

During a hearing, a Waroona resident whose family suffered significant losses as a result of the Waroona fire expressed his anger at the lack of support by emergency services. After recounting his experience he said:

> *I'm still asking what we pay [the Emergency Services Levy] for because I didn't get any help, we didn't get any help.*[5]

In addition to reports of a lack of assistance, a number of submissions advised the Special Inquiry emergency services personnel were advising those seeking assistance that priority was being given to protecting infrastructure. For example:

> *Firefighter crews (not from local area) said they were told not to fight agricultural fires just secure infrastructure.*[6]

In a hearing with the Special Inquiry, the Harvey CBFCO shared his experience:

> *… [T]ake the Yarloop and Waroona fire … we had sector commanders that were telling crews they couldn't go off the bitumen. They had to wait for the fire to come to them… [H]ence the reason it hit the coast…. [T]here was, really, in one sense, no attempt by DFES to actually pull that fire up.*[7]

[3] Submission of member of the public 81
[4] Submission of member of the public 118
[5] Tyler, L. M., Hearing, 22 March 2016
[6] Submission of member of the public 33
[7] Penny, P., Hearing, 4 April 2016

This issue was discussed by the Special Inquirer with Incident Controller C. The Special Inquirer asked whether the IC was aware of situations like those described above. He advised:

> *No. If where they were being expected to go was unsafe or unsuitable for that vehicle, I could understand it … [W]hat I have heard is sometimes with the DFES people there's a focus on asset – structural protection, I should say, perhaps to the detriment of putting the fire out.*[8]

The Special Inquiry recognises the importance of occupational safety and the priority of primacy of life, including firefighters' lives. It is understood that, for occupational safety reasons, some of the incidents observed by members of the public may have been too dangerous for firefighters to attempt to fight.

However, the Special Inquiry has received evidence that the DFES two wheel drive pumpers require a hard surface in order to operate (that is bitumen or a hard limestone surface). Therefore, these pumpers are ordinarily unable to be taken into paddocks.[9] This may account for some of the observations made by members of the public.

Whilst the Special Inquiry agrees that all vehicles should only be operated in a manner which is safe to do so and in accordance with the operational parameters of the vehicle, the inability for the two wheel drive pumpers to be taken off hard roads does call into question their suitability in a rural fire setting.

Each two wheel drive pumper is ordinarily also accompanied by a four wheel drive light tanker. The Special Inquiry considered whether these four wheel drive light units can be used separately from the two wheel drive pumpers during a hearing with one of the Deputy Operations Officers:

> *SPECIAL INQUIRER: [H]ypothetically, if the taskforce commander is in situation he's got, say, five light units … and there's a fire trickling along in the paddock and he sees no issues with that, then, potentially, those [four wheel drive] vehicles could leave the formed road, drive through the paddock and put out the trickling fire … [T]here's no standing operating procedure that precludes the task force commander making that decision?*
>
> *WITNESS: No… that's generally what would happen … Instead of sitting idle, waiting, they would go on any active fire that's impacting the property that they are protecting and they would go an extinguish it … [i]f possible.*[10]

Evidence received by the Special Inquiry suggests this practice did not regularly occur. That is, the four wheel drive light tankers, for the most part, remained with their respective two wheel drive pumpers. This resulted in an ineffective use of deployed resources; a tactic which should be reconsidered.

[8] Mair, G., Hearing, 18 March 2016
[9] Anderson, L., & Jolly, K., Hearing, 24 March 2016; Hamill, A., Hearing, 14 April 2016; Delaney, R., Hearing, 29 March 2016; Norman, P., Hearing, 24 March 2016
[10] Norman, P., Hearing, 24 March 2016

Two submissions from Waroona residents observed that:

> *The strategy of keeping all fire fighting resources on the road and not allowing them to go to the fire and meet it in low fuel areas is flawed.*[11]

> *Firefighters should fight fires … redefine the mission statement by stating crews are there to fight fires wherever/whenever the present.*[12]

The Special Inquiry agrees with these remarks. Firefighters are specially trained, clothed and equipped in purpose built vehicles. At times they will take additional risks – but these are measured in order that they are acceptable. But there needs to be a bias to action. Crews should take action, even when they are unable to communicate with their leader. Fire control is largely a perimeter exercise. If the perimeter is not controlled, the fire continues to get bigger and threaten more people and more resources. There will be times where the fire is so intense and so ferocious, that the most prudent thing is to hold back and to focus exclusively on protecting life and property. However, in most situations, there will be a range of tasks – all serving the community in need – that can be safely and effectively carried out. The most important thing though, is that our firefighters and the community expect work to be carried out if there is work to be done.

Appropriateness of deployed vehicles

The Special Inquiry received evidence that DFES equipment deployed to rural fires, including in Waroona, is unsuited to a rural fire context and therefore is of limited value in a large moving grass, scrub or forest fire. The Association of Volunteer Bush Fire Brigades described the fit for purpose vehicles and equipment as an "absolute joke", and that vehicles were built to a city standard and not suitable to take off road.[13]

This view was corroborated by the WA Volunteer Fire and Rescue Services Association, who advised the Special Inquiry that due to the "one size fits all approach" a vast majority of their brigades are equipped with a Heavy Specialist Response vehicle which is not designed to be a bushfire fighting appliance. The equipment on the vehicle, such as breathing apparatus and road crash rescue, adds weight to the vehicle (reducing the capacity for carrying water) and makes it unsuitable for off road conditions.[14]

One submission asserted that the lack of suitable rural fire equipment deployed by DFES is evidence of inflexibility, and "the fact that the FRS have continued employing two wheel drives when half their fires are bushfires speaks volumes."[15]

The FES Commissioner advised the Special Inquiry that it is the responsibility of the IC to request specific types of resources:

> *[T]he request for resources would come from the incident controller. So if, for example, he wanted assets – appliances to protect critical infrastructure, he might*

[11] Submission of member of the public 70
[12] Submission of member of the public 83
[13] Gossage, D., & Papafili, T., Hearing, 31 March 2016
[14] Submission of the Volunteer Fire and Rescue Services Association
[15] Submission of member of the public 13

request that capability. If he requires assets to do more bushfire firefighting, he would request a different capability.

… If you're looking for a strike force for paddock fighting or bushfire firefighting or whatever else, then you would send the appropriate appliances.

We have sufficient appliances in the metropolitan area to send such support as is requested notwithstanding it denudes your capability elsewhere. But there is no limitation on the support that's provided to the incident controller's request.[16]

However, as discussed in Chapter 8, there were instances of DFES resources being dispatched to the fire by DFES central command – the SOC, MOC or ROC – without specific request from the IC or IMT. This may have resulted in inappropriate vehicles being sent to the fireground.

The nature of the rural-urban interface in towns like Waroona, Yarloop, Hamel and Cookernup lends to fighting the fire in the 'rural', paddocks, fields and agricultural land, rather than just in the townships themselves:

… [I]t is a fact that not many farmhouses are built close to bitumen roads so these vehicles need to be able to access these houses.[17]

The Special Inquiry recognises the benefit of deploying two wheel drive pumpers to provide structure fire protection and suppression, especially in townsites. There is no question that two wheel drive pumpers were needed during the Waroona fire. However, the question is whether they were tasked appropriately, and whether more suitable equipment, such as four wheel drive vehicles could have been deployed.

The deployment of two wheel drive pumpers and four wheel drive light vehicles – generally the composition of taskforces deployed from the metropolitan or urban areas – is somewhat inflexible, particularly if the four wheel drive light tankers don't leave two wheel drive pumpers under low risk situations.

The suitability of Scania trucks to the rural context is particularly contentious, with a CBCFO advising the Special Inquiry that this "has been one of the biggest criticisms I've received from the community".[18]

During the Waroona fire, a burnover of a Scania truck occurred in the Western Division, near Lake Clifton on 7 January 2016. In this incident the Scania was completely destroyed, and minor injuries were sustained by the crew. DFES conducted an internal investigation of this incident, which found that MOC directed the Task Force to Lake Clifton. The report notes:

This is traditionally not normal practice but seems to becoming more prevalent with the larger incidents when RUI [Rural Urban Interface] practices are required.[19]

[16] Gregson, W., Hearing, 6 April 2016
[17] Submission of member of public 100
[18] Twaddle, J., Hearing, 4 March 2016
[19] DFES, Internal report Rockingham pumper burn over investigation, provided to the Special Inquiry 20 March 2016, p. 19

However, the report then finds that the location in question was a rural environment rather than an urban fire interface. Key factors in this environment were unsealed access roads, restricted availability of local water supply and extreme fire intensity. The report found that:

> *Evidence Points to RUI Immediate Street Assessments and Structural Defence tactics may not be appropriate tactics to be employed in rural settings using urban fire appliances, where there are potential fuel loadings that may result in extreme fire intensity.*[20]

The Special Inquiry questions whether a highly specialised two wheel drive urban pumper appliance was fit for the purpose for which the crews were being tasked. In the Special Inquiry's view, the consequences for the crew in this situation could have been far worse.

The Special Inquiry has noted that it is DFES practice to send Task Forces of appliances, including two wheel drive urban pumpers, to developing bushfires. Where this occurs, it may not be as a result of a specific request from the IC. Rather, pumper appliances may be sent in anticipation of the potential for rural urban Interface tactics to be employed.

The practice of sending out of area Task Forces can provide much needed assistance during the developing stages of a major fire. However it is imperative that these should either be requested by the IC or, alternately, the ROC or SOC discuss the need and application of such resources with the IC prior to dispatch.

Opportunity 8: The Department of Fire and Emergency Services to review the policy of dispatching task force resources from Perth metropolitan and regional urban locations to bushfires to ensure that only vehicles that are fit for purpose and appropriate to the task are deployed.

The Special Inquiry has noted both DFES and P&W are proposing to retrospectively re-engineer bushfire burnover and safety specifications on rural tankers. This follows the major incident review of the tragic burnover at the Black Cat Creek fire in October 2012 where a P&W employee died and others were injured.

The provision of crew burnover protection systems on rural tankers will then set a need to re-evaluate the fitness for purpose of two wheel drive pumper vehicles.

Use of private resources – Farmers, foresters and contractors

> *The town of Waroona has one of the highest ratios of earthmoving equipment to resident population in Australia.*[21]

> *Landholders, particularly farmers, who are generally going to stay and defend their property and who usually have good fire fighting equipment, including fire units and ploughs … Through their local knowledge and assets these landholders can and do make a huge difference.*[22]

[20] Ibid., p. 20
[21] Parliament of Western Australia Legislative Council, *Motion – Bushfire Management,* 18 February 2016, p. 416
[22] Submission of Uduc Volunteer Bush Fire Brigade

> *If local farmers and earthmoving contractors were seen as a resource instead of a problem, then firefighting capacity is enhanced.*[23]

Currently, the use of private firefighting resources during a large scale incident is managed in an ad-hoc manner. There are farmers, foresters and private contractors, with large amounts of private vehicles and plant, available to support fire fighting efforts.

The Special Inquiry received a number of submissions that stated private resources were available, and not used, during the Waroona fire.

> *… a forest harvesting contractor was within 5 kilometres of the ignition point of the fire and could have responded to contain the fire at its critical early stages but was not called upon.*[24]

> *There were assets ready and available to assist the firefighting efforts… these additional resources could have been instrumental in assisting the firefighting efforts in Waroona and Yarloop*.[25]

It is recognised that some resources may not have been used because the IMT were not aware of their existence, and because of limitations in the current resource management processes of DFES and P&W. The JAOA found that:

> *The extent to which private fire appliances were used during the Waroona fire is unclear, although there is some documented evidence (in WebEOC) of their use once the fire reached the coastal plain.*[26]

The value that the farming, forestry and private business can bring to the response to bushfires needs to be recognised and harnessed, as suggested in submissions to the Special Inquiry:

> *Forest Industry crews should be considered in the early stages of fire suppression given the heavy equipment capability that can be made available at reasonably short notice.*[27]

> *[T]here are pine harvesting contractors, native forest harvesting contractors, a large contingent of blue gum harvesting contractors. Collectively, they already are required under their various contracts with the employers… they are required to have certain minimum levels of firefighting equipment, including trucks and pumps and hoses… but if that was to be a bit more formalised into sort of a harvesting, logging sector brigades, that would be a good thing.*[28]

[23] Submission of member of the public 70
[24] Submission of Forest Industries Federation WA
[25] Submission of WA Farmers Federation
[26] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, pp. 29, 30
[27] Submission of Forest Industries Federation WA
[28] Clarke, J., Hearing, 3 March 2016

In respect to famers, a submission observed that:

> *In situations where fire is affecting or threatening farming properties the likelihood of owners staying and defending is high. They have considerable investment in assets as well as needing to protect and save livestock. They also have mobile firefighting equipment, tractors, discs, ploughs and front-end loaders …*
>
> *It is suggested that, rather than dismissing or ignoring such assistance, given that the reality is, farmers will remain at the fire front for the reasons above, whether they are recognised or not, there is invaluable local knowledge and committed assistance which can be a useful resource to those on the ground.*[29]
>
> *Farmers, landowners and volunteers possess vast knowledge in firefighting practices, but also hold invaluable local knowledge of the landscape itself as well as contacts for people within the locality. Capturing this local knowledge and expertise can prove essential in combating fires.*[30]

The AVBFB expressed the view that discouraging the use of private units on the fireground is disempowering, and contrary to the goal of building community resilience.[31]

The United Firefighters Union expressed concerns about the use of private resources in firefighting efforts, stating in their submission:

> *There are significant risks associated with the use of private firefighting units. There are no systems in place to guarantee quality control, the registration of competencies held, there are no checklists for the currency of alleged competencies held, the tracking of such appliances and crews and there is no quality control related to standard operational procedures or standard equipment or standard protective clothing.*[32]

Despite some parties already engaging in training and maintaining safety standards, the Special Inquiry was advised that their resources were still not called upon often as they could be:

> *The plantation industry participates in industry training and resources sharing however find it difficult to be accepted into the DFES fire suppression system.*[33]

The Special Inquiry believes these concerns can be addressed through implementation of a system which allows for the registration of private resources. Such a system needs to ensure adequate safety standards are maintained.

The WA Farmers Federation put the following to the Special Inquiry:

> *WA Farmers proposes that a register of people be kept with certified firefighting units; this will allow the Incident Control Manager to see what local assets are*

[29] Submission of member of the public 102
[30] Submission of WA Farmers Federation
[31] Gossage, D., & Papafili, T., Hearing, 31 March 2016
[32] Submission of United Firefighters Union of Australia WA Branch
[33] Submission of Forest Industries Federation WA

available in the immediate area. The benefit of this is that the fire front will be able to be extinguished from a far greater range of target points, leading to the containment of the fire in a shorter timeframe.[34]

As noted by the WA Forest Industries Federation:

The State would benefit from the better coordination of both State and private resources in the response to a fire threatening private property, plantation assets and State managed land.[35]

Recommendation 9: State Emergency Management Committee, in consultation with Western Australian Farmers Federation, the Association of Bush Fire Brigades, the Contractors Association of WA and the Forrest Industries Federation of WA, to establish systems for the voluntary registration of:

- farmer fire fighting units;
- contractor firefighting resources;
- forestry industry brigades.

The purpose of the arrangement is to facilitate the safe, efficient and effective recognition, organisation, deployment, management and coordination of farmer, contractor and forestry firefighting resources.

The systems would include a process for enabling access through traffic management points during bushfires. Progress towards establishing these systems is to be reported by State Emergency Management Committee in its annual preparedness report.

Maps – 'We had no maps'

The Special Inquiry received evidence from numerous witnesses regarding the lack of suitable maps. Those affected ranged from members of the IMT, to out of town Volunteer Bush Fire Brigade members. In all cases, the lack of a suitable map impacted on the ability of the individual to perform their respective role.

Significant issues were encountered by members of the incoming IMT on 7 January 2016 in obtaining a suitable map.

The DFES South West Region Emergency Services Directory (ESD) did not extend to cover most of the Shire of Waroona. The ESD is a map book provided to all agency and volunteer emergency services personnel, providing a common location reference tool. In particular, there is no ESD for the P&W Swan Region. Further, the IMT needed to use multiple ESD books in order to create one useable map of part only of the fireground.

P&W generates series of electronic maps, known as Conservation Operations Graphics maps (COG maps). Whilst useful for that area of the fire falling within P&W managed land, the COG maps were not as useful for those areas in the coastal plain west of the South Western Highway. In particular, the COG maps did not provide sufficient details of

[34] Submission of WA Farmers Federation
[35] Submission of Forest Industries Federation WA

the townsites and roads.[36] Further, the COG maps did not clearly show all road names (even when the zoom function was used) which caused difficulties for members of the Public Information Team.

Volunteer Bush Fire Brigade members also commented on the lack of suitable maps:

> *Better maps need to be handed out. Those given to sector commanders were on too large a scale and not detailed enough. This has also been the case at other fires that Uduc [Bush Fire Brigade] members have attended.*[37]

> *The control point doesn't always issue maps that are readable especially when you are driving and more so at night. Some of the maps are out of date or have missing information.*

> *We had no maps of the area and as a GPS unit … is not supplied by DFES. [P]ersonnel were using Google maps on their own phones to find out where they were.*[38]

> *Maps – this is something that needs addressing as many accounts of the maps were very old and in the case of when I arrived it was 4 days old.*[39]

For those brigades located outside of the region, a suitable map is vital to enable the brigade to attend the correct location quickly and safely.

The adequacy and availability of maps need to be addressed by both DFES and P&W as part of the resource management system. Personnel at all levels must have access to maps that are recent and suitable if they are to operate safely and efficiently.

Resource management arrangements - "Our resource management system is abysmal"

> *We can't run fires as a single entity in this state while we don't have across-agency interoperability.*[40]

> *[If] we're going to be there on the fire line together, we need to have the same systems that we know can work together.*[41]

> *Every person and every piece of equipment on that fire ground should be represented by an icon on a big screen.*[42]

There is no single resource management system for incident management in WA, nor is there a single system used by the two bushfire response agencies, DFES and P&W.

[36] Wegwermer, T., Hearing, 21 April 2016
[37] Submission of Uduc Volunteer Bush Fire Brigade
[38] Submission of member of the public 36
[39] Submission of member of the public 49
[40] Mair, G., Hearing, 18 March 2016
[41] Carter, J., Hearing, 1 April 2016
[42] Submission of member of the public 139

SEMC has endorsed the use of WebEOC[43] as the preferred platform for Western Australia's all-of-government common crisis information system for interagency communications. However, the use of WebEOC during large scale, joint agency bushfire incidents in WA is problematic, as while DFES and a number of other WA Government use WebEOC, P&W do not. The SEMC Emergency Preparedness Report states:

> *The mechanism for DFES and DPaW to share WebEOC is available, as evidenced by the WebEOC partnerships between Main Roads WA and PTA, and WA Health and St John Ambulance. However, technological interoperability between these agencies is yet to be fully achieved.*[44]

The Special Inquiry understands that P&W has previously investigated the adoption of WebEOC. However, it was found that adoption of the system would require substantial additional resources.[45]

WebEOC is not a resource management system and will not meet all agency expectations into the future. The current way which resource management is undertaken during a large scale, multiagency fire is what can best be described as piecemeal and inefficient. A Planning Officer from the IMT told the Special Inquiry:

> *We don't have an overall management system that everyone is using and the current system now is a mixture of emails, whiteboards, shift registers and none of them are capable of dealing with an incident of [the Waroona fire] magnitude.*[46]

The Special Inquiry has discussed future whole of government emergency information technology requirements with the WA Chief Government Information Officer (CGIO).[47] The Special Inquiry understands that the SEMC has developed an Emergency Services Communication Strategy for the consideration of Government. One of the key themes of the Strategy is interoperability.

The Special Inquiry also understands from correspondence with the CGIO that the SEMC is developing a proposal to implement a joint agency Crisis Information Management System based on WebEOC that will be hosted by WA Police and connect the existing siloed implementations of WebEOC.[48] These actions are supported.

Resource management at the Waroona fire

The Special Inquiry received a number of negative comments from members of the IMT about the resource management system in place during the Waroona fire.

This is alarming. If those who are expected to strategise, deploy resources and ensure the safety of personnel and the community are dissatisfied with the systems available, how is it possible for resource management – and therefore the overall response to the fire – to be effective?

[43] WebEOC is a web-enabled system which used for incident management, emergencies and planned events.
[44] SEMC, *Emergency Preparedness Report 2015*, October 2015, p. 47
[45] Submission of P&W
[46] Carter, J., Hearing, 1 April 2016
[47] Letter from Office of the Chief Government Information Officer to Special Inquirer, 1 April 2016
[48] Ibid

Operations Officer A commented that one of the big issues faced in the response to the Waroona fire was the resource management system:

> *We don't have a good resource management system, and it creates all sorts of problems down the line for operations and logistics and everyone suffers as a result.*
>
> *I think there needs to be – across both agencies – a system for managing people and trucks that works, and that can work at that level, where it's complicated and there's five staging areas and we have got crews coming in from all over the place … [We] need something that can manage that.*[49]

Operations Officer B relayed his experience of trying to manage resources across P&W and DFES during the fire:

> *[T]he Parks and Wildlife structure was always up on the whiteboard. You could come in, you could look at it – that shift, the next shift – and it was always managed.*
>
> *I kept asking [the DFES Deputy Operations Officer at the time], "Look, I need that for, you know, the rest of the fire," namely, all the DFES and the brigades. I asked for it a lot and he said, "Yes. We've got it all. It's in the ICV," and I said, "Well, you know, we need a copy of it so, you know, everything is up in front of us."*
>
> *I never saw it once and I'm not saying that they didn't have it or they didn't know where all the DFES personnel was, because I knew where all the div[isional] com[manders] were.…*
>
> *I never got that bit of paper or presentation.*[50]

The inability for the Operations Officer to quickly see the location of all resources both P&W and DFES deployed to the fire is a concern to the Special Inquiry. The operation of two separate systems is inefficient and a potential risk to the safety of personnel on the fireground.

The absence of a single system led to resource requests getting 'lost', and there is an inability to assure they have been considered. Planning Officer C informed the Special Inquiry that:

> *We don't use [WebEOC]. We use email, so I was emailing to the ROC. They would put the information on to WebEOC. That would go up to the SOC… [T]here's no tracking of that information... [Q]uite often we were seeking information … and not getting any feedback on resource requests. They would just get lost in the system…*[51]

In addition to the operation of independent resource management systems by P&W and DFES, the Special Inquiry received a large amount of evidence concerning two specific aspects of resource management: the need for automatic vehicle location systems and the inadequacy in the mapping of the fire progression.

[49] Pasotti, M., Hearing, 16 March 2016
[50] Chick, J., Hearing, 1 April 2016
[51] Carter, J., Hearing, 1 April 2016

Automatic vehicle location capability – 'a very, very good tool'

P&W currently have an automatic vehicle location (AVL) capability installed in some P&W resources, including the heavy fleet (trucks), P&W owned machinery, select contact machinery and some light fleet vehicles.[52]

Special Inquiry heard that it is a 'very, very good tool' as it gives the Operations team visual representation of where all the appliances are at a particular point in time.[53]

DFES, on the other hand, do not have AVL on their vehicles. The JAOA notes this as an emerging issue:

> *There were issues with the appropriateness of certain DFES vehicles on the fireground, particularly given the absence of vehicle location systems and crew protection in some appliances.*[54]

The Special Inquiry does not consider this to be an emerging issue as the need for AVL on DFES vehicles has been identified in the past. The 'Parkerville Stoneville Mt Helena Bushfire Review' 2014 report recommended that:

> *Automatic Vehicle Location technology should be adopted to enable a better appreciation of the deployment and location of appliances at an incident in order to increase situational awareness.*[55]

Installing AVL on DFES vehicles is a work in progress. The Special Inquiry understands from information provided by DFES that, as at February 2016:

- the AVL functional specifications for DFES vehicles are being finalised;
- a number of technical options remain to be analysed and risk assessed prior to going to market – this work is expected to be completed by June 2016; and
- the GPS/AVL tracking system will then be tendered.

AVL is important for the safety of personnel, and is a very effective resource management tool. The Special Inquiry believes that the future resource management system adopted by P&W and DFES must incorporate AVL.

Recognition of need

The need for a common or interoperable resource management system which addresses all of the concerns above was recognised in the P&W submission to the Special Inquiry:

> *Previous reviews and inquiries have emphasised the need for a computerised integrated interagency resource management system … P&W supports these recommendations as resource management is a major challenge each season.*[56]

[52] Todd, B., Hearing 16 March 2016
[53] Ibid
[54] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 62
[55] SEMC, *Parkerville Stoneville Mt Helena Bushfire Review*, 2014, p. 42
[56] Submission of P&W

Also recognised by the JAOA:

> *A limitation to the effective coordination of incidents between agencies is that there are no common incident information management systems.*[57]

The need for improved resources management by DFES and P&W has been recognised in previous reviews of bushfire incidents. The O'Sullivan and Lower Hotham Bushfires Review stated that:

> *Full interoperability between agencies is fundamental to achieving effective interagency collaboration and incident management.*[58]

That review identified opportunities for improvement in respect to resource management, specifically:

> *DFES and Parks and Wildlife should jointly undertake a review of available resource management systems which could be readily integrated into their current human resources, vehicle and equipment systems.*
>
> *Develop an integrated inter-agency resource management system. An integrated system will improve the response to fire by supporting agencies to identify potential resources, tract resources and plan deployments more effectively. Incidents will be sufficiently resourced and deployed resources will be used appropriately while minimising risk.*[59]

The Special Inquiry found members of the IMT during the Waroona fire to be highly cognisant of the need for improved resource management system. Incident Controller C was very frank:

> *[O]ur resource management is abysmal when we get to a big fire like that. We don't have a resource management system in the state, that is common to all our agencies, that works. And that causes all sorts of grief, because if you can't manage the people, you don't know who's there, we end up with fatigue issues. Questions about, well, do you know who is on the fire ground?" How do we accommodate them? How do we feed them? How do we rest them?*[60]

Operations Officer A informed the Special Inquiry that "greater efficiency could be gained if there was a better and more effective resource management system in place".[61] This was reinforced by comments from Planning Officer B:

> *The system is very complicated and it's one of the least attractive tasks within an incident management team and – yes – the people that we put into running it are often, you know, finding themselves at the – getting the rough end of the stick.*

[57] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 44
[58] SEMC, *O'Sullivan and Lower Hotham Review Report*, 2016, p. 16
[59] Ibid., p. 32
[60] Mair, G., Hearing, 18 March 2016
[61] Todd, B., Hearing, 16 March 2016

> *[T]hey're playing catch up from what has … happened in the previous shift or with staggered changes – changeovers between shift – trying to get on top of it and trying to come up with a concise picture so that you can plan resourcing for subsequent shifts and for fatigue management purposes.*[62]

There is significant danger in not having a unified resource management system, as discussed with the Special Inquiry by Planning Officer C:

> *Resource management is something that we do very poorly. [I'm] not saying that from a people point of view but we don't have a resource management system across the state and that is, I think, a real weakness and it is something that I think could lead … to fatalities.*
>
> *We don't know who's out there, we don't know how long they've been working, we don't know where they are well enough.*[63]

Without an adequate resource management system that is common, or interoperable between, DFES and P&W, ICs and IMT members are being set up for failure. In addition to this, the primacy of life is not being recognised as lives of personnel on the ground and the community generally are put at risk because a global view of the resources deployed to an incident is not available.

What is needed?

There is a real need for a single resource management system, or the adoption of fully interoperable systems, by DFES and P&W. As wisely put by Incident Controller C:

> *We can't run fires as a single entity in this state while we don't have across-agency interoperability.*[64]

The Special Inquiry does not propose to specify in detail what such a system should look like, but believes there are some key elements to it: it should enable the registration, tasking, tracking, management and coordination of emergency management personnel, vehicles, plant and aircraft.

The 'bigger picture' of resource availability, coordination and monitoring must be available to incident management personnel when tackling bushfires if we wish for them to be successful.

A common system will improve public safety. If the primacy of life is the ultimate consideration when managing an incident, the tools available to manage the incident should enable the protection of life. An adequate resource management system will eliminate many of the current risks including: delays in relaying information between departments; lost resource requests; and the lack of visibility of resources on the fireground.

[62] Towers, R., Hearing, 16 March 2016
[63] Carter, J., Hearing, 1 April 2016
[64] Mair, G., Hearing, 18 March 2016

The costs associated with implementing such a system are recognised. However, the Special Inquiry believes that the long term benefits for the State, particularly in respect to protecting the community and improving incident management, outweigh the short term costs to develop or procure the required system.

As mentioned earlier, the Special Inquiry understands from correspondence with the CGIO that an Emergency Services Communication Strategy has been developed. As the strategy is currently with Government for consideration by Cabinet, the Special Inquiry has not been privy to its contents. The CGIO assures the Special Inquiry that one of the key themes of it is interoperability, and that the strategy is 'current, achievable, and in line with the new whole of government State ICT Strategy'.[65]

Notwithstanding this, the Special Inquiry recommends that DFES and P&W investigate and adopt an emergency services resource management system as a matter of priority. The system should enable the registration, tasking, tracking, management and coordination of emergency management personnel, vehicles, plant and aircraft.

Recommendation 10: The Departments of Fire and Emergency Services and Parks & Wildlife to investigate and adopt an emergency services resource management system that will enable the registration, tasking, tracking, management and coordination of emergency management personnel, vehicles, plant and aircraft.

[65] Letter from Office of the Chief Government Information Officer to Special Inquirer, 1 April 2016

Chapter Ten – Information, Alerts and Warnings

> *... to this day [I] have NOT received any warnings, alerts, messages of any kind to tell me that Yarloop was under threat…*[1]

Introduction

Emergency warnings play a crucial role in the protection and resilience of communities. When implemented appropriately, they have the potential to reduce the effect of disasters on communities and properties, especially when combined with the community's understanding of environmental risks and disaster preparedness.[2]

The Special Inquiry received extensive and varying evidence regarding the effectiveness of the alerts and warnings issued in the Waroona fire. Two particular points in time have been the subject of most of the evidence, being the warnings issued in relation to Waroona on the afternoon/evening of Wednesday 6 January 2016, and the warnings issued in relation to Yarloop on Thursday 7 January 2016.

Policy framework

Prior to considering the warnings issued in relation to the Waroona fire, it is first necessary to describe the applicable policy framework.

The *Emergency Management Act 2005* allows for HMAs to be prescribed by regulations.[3] A HMA is a public authority or other person who, because of their specialised knowledge, expertise and resources, is to be responsible for emergency management in respect of a particular hazard. A HMA is responsible for all aspects of the particular hazard, in accordance with relevant legislation and SEMC policies and plans.

The FES Commissioner is prescribed as the HMA for Fire.[4]

A Controlling Agency is the agency with responsibility, either through legislation or by agreement with the HMA, to control the response activities to an incident,[5] including the provision and management of the emergency public information function.[6]

In this incident, P&W was the Controlling Agency.

State Emergency Management Policy 4.6 – *Emergency Public Information* (SEMP 4.6), Westplan - Emergency Public Information and Westplan - Fire provide the framework for the provision of public information during an emergency.

DFES and P&W have entered into agreement in relation to the dissemination of public information during a bushfire.[7] By way of overview, for Level 1 and 2 incidents, DFES and

[1] Submission of member of the public 160
[2] Attorney General's Department, *Australia's Emergency Warning Arrangements*, April 2013, p. 3
[3] Section 4 of the *Emergency Management Act 2005*
[4] Reg.17(2)(h) of the *Emergency Management Regulations 2006*
[5] SEMC, SEMP 4.1 – *Operational Management*, 2013, p 34
[6] State Emergency Management Committee, Westplan - *Emergency Public Information*, 2012
[7] *Public Information for Bushfire: Fire Agencies Agreement*, dated May 2013.

P&W are separately responsible for the dissemination of public information. However, for all Level 3 incidents, all dissemination of public information falls under the overall control of the DFES Manager, Media and Public Affairs. The agreement details precisely how this will occur.

The purpose of the provision of information to the public during an emergency is to furnish the public with consistent, adequate and timely information and instructions, so that people are be aware of the situation and can take appropriate actions to safeguard life and property.[8]

Types of Emergency Information

Public information is disseminated in a number of different ways during a bushfire.

First, community alerts are issued for bushfires that threaten lives and property. The following table (Table 10.1) of alert levels are issued to the community in Western Australia to assist in providing timely advice on the specific emergency at hand.

Alert Level	Detail
Advice (Blue) Be aware and keep up to date. Issued at **11am** and **4pm** unless the situation changes	These messages are to keep people informed and up to date with developments.
Watch and Act (Yellow) Put your preparations into action – do not wait and see. Issued **every two hours** unless the situation changes	These messages are identified as supporting the need for people to be aware of their situation and to take action to prepare and protect themselves.
Emergency Warning (Red) Take immediate action to survive – you will be impacted by fire. Issued every hour unless the situation changes	These messages are the highest level of risk to life and are aligned to the principle message that the safest option is to not be near the fire. A siren sound called Standard Emergency Warning Signal (SEWS) may be used on radio and television.
All Clear (Grey) Take care to avoid any dangers and keep up to date. Issued when the threat has passed	This alert indicates for people to still remain vigilant in case the situation changes and it may not be safe to return home.

Table 10.1: Alert Levels

The DFES website provides a description of alert levels, the circumstances when each alert will be issued and what community members should do in response. The alerts themselves may also provide extensive information around fire behaviour, options for evacuation or staying to defend, road and recreation or building closures as well as contact numbers and locations of community meetings.

[8] State Emergency Management Committee, Westplan - *Emergency Public Information*, 2012, p. 5

P&W issues the same alert levels as DFES for fires on parks and other lands it manages or where the department is the agency managing the incident. There are minor differences with alert level colourings and the inclusion of small icons against each alert. P&W provide a link from their website to the DFES and ABC emergency alerts information pages.

Methods of communicating alert levels include broadcast radio, television, DFES and P&W websites, some social media (Twitter) and the 13DFES (13 3337) emergency information line. The Special Inquiry is satisfied that these alert levels are well documented for members of the public.

The Special Inquiry has noted the alert levels are in line with the *National Framework for Scaled Advice and Warnings to the Community* (for bushfire), and other states such as Victoria use similar alert levels.

Secondly, the Emergency Alert tool is the national telephone based warning system used to send verbal messages to land lines and verbal or text messages to mobile phones within a specified area based on either the billing address or the actual location. It is not necessary to register to receive an Emergency Alert.

Thirdly, the Standard Emergency Warning System (SEWS) is a distinctive siren sound played at the request of the Controlling Agency for five seconds at the beginning of a radio broadcast, alert or important message relating to a major emergency or disaster. The signal is intended to draw listeners' attention to the emergency warning that follows and is used by the Controlling Agency in imminent life-threatening circumstances only. Conditions and procedures for the use of SEWS are detailed in SEMC Operational Procedure 5 – *Standard Emergency Warning Signal*.

Fourthly, Fire Danger Ratings (FDR) are used by DFES and P&W as a warning to advise people about current fire conditions. The FDR is based on the Fire Danger Index. The Fire Danger Index is a numerical scale that has been developed that correlates to the fire intensity, damage potential and difficulty of suppression. There is a Grassland Fire Danger Index (GFDI) and a Forest Fire Danger Index (FFDI). The FDI tables were developed by CSIRO researchers in the 1970's. The original tables had an index a numerical value of 0 to 100. Following the 2009 Victorian bushfires, it was concluded that there was insufficient sensitivity at the higher end of the scale. As a result the index was extended to over 150. The Fire Danger Index, and therefore the Fire Danger Rating, is an algorithm that takes account of:

- seasonal dryness;
- Fuel condition;
- the last rain;
- temperature;
- relative humidity; and
- wind speed

The following table summarises the FDR and their meaning:

Category	Fire Index Rating	What should I do?
Catastrophic	100+	Act Now
Extreme	75-99	Get Ready to Leave
Severe	50-74	
Very High	32-49	Be Aware
High	12-31	Check your bushfire survival plan. Monitor conditions. Action may be needed. Leave if necessary.
Low-Moderate	0-11	

Table 10.2: Fire Danger Index

Fifthly, the declaration of a Total Fire Ban (TFB) is another prevention measure used to warn members of the public against lighting any fires in the open air and any other activities that may start a fire. A TFB declaration prohibits certain actions from taking place in the open air (such as welding, grinding, lightning campfires) and sets heavy penalties for breaches. A decision to invoke a Total Fire Ban is primarily made following consideration of the forecast Fire Danger Index (FDI) (Table 10.2) and the resultant Fire Danger Rating (FDR) for BoM fire weather districts as well as potential impacts on existing suppression resources in the event of response to further events or incidents.

Finally, the departments and/or members of the IMT may engage in other awareness and/or media related activities, including attendances at community meetings and radio or television interviews.

Information issued to residents of Waroona – 6 January 2016

A total of 177 bushfire alerts were issued over a period of 17 days for the Waroona fire with majority of the alerts (133) being issued during the period of 6 – 11 January 2016.[9] The Special Inquiry has focussed on the warnings issued to residents of Waroona and Yarloop in the period 6-7 January 2016.

Community Alerts

Both P&W and DFES issued a variety of community alerts on Wednesday 6 January 2016.

The Special Inquiry understands that for Level 1 and 2 bushfires, DFES and any controlling agency are responsible for issuing their own separate community alerts. A system is in place that community alerts that are published to the P&W web site are concurrently published on the DFES web site. Once the bushfire becomes a Level 3 bushfire, all community alerts are issued through DFES.

[9] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 53

In relation to P&W issued alerts, whilst the bushfire was managed from the P&W Mundaring Office, the IMT Planning Officer, in consultation with the Incident Controller, was responsible for issuing the community alerts.

The first community alert issued by P&W in relation to the bushfire was an Advice alert issued by P&W at 0850 hours directed to 'people near Lane Poole Reserve, 25 kilometres south-east of Dwellingup, in the Shires of Waroona and Boddington'. The Advice specified that a bushfire was burning in the Lane Poole Reserve in the Shire of Waroona. This Advice was repeated throughout the day of 6 January 2016, with additional details added during the day concerning the specific localities affected as the bushfire developed.

The Planning Officer's initial concern in relation to community warnings and alerts was to ensure that any campers in the area of the bushfire were warned. In addition to issuing warnings, the Planning Officer also ensured that all campsites were physically checked.[10]

The Special Inquiry understands that from around 1600 hours on 6 January 2016, the Waroona Chief Bush Fire Control Officer held some concerns that the warnings issued to this point did not adequately cater for Hamel, Yarloop or Cookernup. When the Chief Bush Fire Control Officer contacted DFES media to attempt to amend the alert, he was advised that DFES could not do this as it was a P&W managed fire.[11]

At 2100 hours, P&W issued a Watch and Act community alert for:

> *... people bounded by Willowdale Road, South Western Highway and Nanga Brook Road west of the Murray River in Lane Poole Reserve and the Alcoa mine site, excluding the Waroona townsite, in the Shire of Waroona.*

At the same time, a bushfire Advice alert was issued for:

> *...people in Waroona townsite and State forest adjoining Lane Poole Reserve in the Shire of Waroona.*

Members of the IMT relied upon a range of information to gain an appreciation of the size, location and rate of spread of the bushfire. That information included weather forecasts (including predicted wind), information and intelligence from spotter aircraft, the nature of the terrain and the description of the smoke cloud. The IMT also had access to fire prediction modelling, in the form of the Vesta calculations.

Based on all the above information, as at 1700 hours on 6 January 2016, the IMT estimated that the bushfire was moving at a rate of one to one and a half kilometres per hour.[12] Until 1900 hours on 6 January 2016, the fire behaviour accorded with the predicted rate of spread. However, the information received at 1900 hours suggested that the bushfire was spreading at a rate of two kilometres per hour.[13]

[10] Todd, B., Hearing, 16 March 2016
[11] Twaddle, J., Hearing, 4 March 2016
[12] Todd, B., Hearing, 16 March 2016; Pasotti, M., Hearing, 16 March 2016
[13] Pasotti, M., Hearing, 16 March 2016

The above rates of spread would result in a possible impact on the town of Waroona in six to eight hours (if spreading at rate of two kilometres per hour) or 10 to 12 hours (if spreading at a rate of one kilometre per hour).[14] It would normally be expected that the weather conditions (and therefore fire behaviour) overnight would ease (due to cooler temperatures and increasing relative humidity).

As at 1900 hours, the IMT understood that the bushfire was approximately 13 kilometres from the town of Waroona.[15]

As dusk approached, aircraft (some of which would have been observing the fire from the air) returned to their respective locations because they are largely unable to carry out operations in the dark.

The above information was relied upon by the IMT members when issuing all community alerts, including the Watch and Act alert at 2100 hours.

Shortly after issuing the 2100 hours Watch and Act alert, the Planning Officer received a telephone call from Ian Curley, Chief Exeuctive Officer of the Shire of Waroona, advising that the bushfire was impacting on Waroona.[16]

The Incident Controller also recalled receiving a similar telephone call some time after 2000 hours from John Twaddle, Chief Bushfire Control Officer for the Shire of Waroona.[17]

The Special Inquiry has also heard other evidence from members of the public that Waroona was being impacted by the fire at this time.[18]

Given the predicted rate of spread and the last known location of the fire, members of the IMT were very surprised by this information.[19]

Upon receiving this information, the Planning Officer immediately commenced upgrading the Watch and Act alert to an Emergency Warning,[20] which was issued at 2225 hours on 6 January 2016 for:

> *... people bounded by Willowdale Road, Johnston Road, Somers Road, Coronation Road and Nanga Brook Road including Waroona townsite in the Shire of Waroona..*

At the same time, the previous Watch and Act alert ceased to be issued.

The Emergency Warning provided that affected persons were in danger and needed to act immediately to survive. The Emergency Warning then went on to provide information about what people were to do if located east of South West Highway (it being too late to leave) and West of the South West Highway (by providing a description of a safe routes to leave the

[14] Todd, B., Hearing, 16 March 2016; Pasotti, M., Hearing, 16 March 2016; Ridley, J., 17 March 2016
[15] Ridley, J., Hearing, 17 March 2016.
[16] Todd, B., Hearing, 16 March 2016
[17] Ridley, J., Heating, 17 March 2016
[18] Submission of member of the public 33 and 11
[19] Todd, B., Hearing, 16 March 2016; J. Ridley, Hearing, 17 March 2016
[20] Ibid

area). The Emergency Warning also specified that an evacuation centre had been established at the Murray Leisure Centre in Pinjarra.

This Emergency Warning was reissued by P&W in an unchanged wording at 2330 hours on 6 January 2016 and 0035 hours on 7 January 2016.

At 2300 hours and 0015 hours the DFES Media Unit also issued an Emergency Warning. This Emergency Warning also specified a number of roads and localities. However, these were not the same as the earlier P&W Emergency Warning. Accordingly, the Special Inquiry notes that for a period of time there were some differences in wording and areas covered by the community alerts issued by DFES and P&W respectively. The Special Inquiry is of the view that it is preferable that consistent wording is used during a bushfire, to ensure that the community receives consistent advice.

From approximately 0105 hours on 7 January 2016, all community alerts were prepared and approved by members of the IMT, but issued through DFES.[21]

Investigations after the bushfire have been unable to conclusively account for the fast spread of the bushfire to Waroona on the evening of 6 January 2016. As discussed in Chapter 6, the Special Inquiry finds that the origin of the fires that threatened the township of Waroona on the evening of the 6 January 2016 are more likely to have been from cloud to ground lightning from a fire induced cloud over the fire (as opposed to have been from either the main fire of Fire 68 or spotfires emanating from Fire 68). This conclusion is reached based on reports from two eyewitnesses who saw a lightning strike originating from the pyrocumulonimbus cloud that had developed over the fire. These eyewitnesses saw the lightning start new fires.

The Special Inquiry is satisfied that members of the IMT appropriately considered all available information when preparing and issuing community alerts and warnings on 6 January 2016. The Special Inquiry is satisfied that it was the sudden occurrence of a separate fire near Waroona which resulted in the lack of an emergency warning alert being issued to people in the Waroona prior to the fire reaching Waroona.

Smoke Alerts

In addition to these alerts, at 1630 hours on 6 January 2016, P&W also issued a Smoke Alert for 'Waroona, Yarloop, Preston Beach and surrounds'. Further, at 1935 hours P&W expanded this Smoke Alert to 'Mandurah to Bunbury, including Waroona, Yarloop Preston Beach and surrounds'. The Smoke Alerts were issued because the bushfire was generating a lot of smoke over a broader area than would fall within a Watch and Act alert.[22]

Emergency Alerts

The first Emergency Alert was issued on 6 January 2016 at 2208 hours and stated that 'People in Waroona should seek shelter now and actively defend' and notes the severity of the situation as 'Warning. Too late to leave'.

[21] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 12. Although the Special Inquiry notes that references were still being made to the Emergency Warnings being issued by P&W until 0300 on 6 January 2016.
[22] Todd, B., Hearing, 16 March 2016

The next Emergency Alert was issued at 2236 hours and had a slightly different message being, 'People in Waroona. If the way is clear, you should leave now for a safer place'.

The timing of these Emergency Alert campaigns is consistent with the Emergency Warning community alert issued by P&W 2225 hours. For the reasons discussed above, the Special Inquiry is satisfied that it was the sudden occurrence of a separate fire near Waroona caused by lightening which resulted in the lack of an Emergency Alert being issued to people in the Waroona prior to the fire reaching Waroona.

Standard Emergency Warning Signal

SEWS were issued with each of the Emergency Warnings issued by P&W and DFES on 6 January 2016 and until 0600 hours on 7 January 2016.

Fire Danger Rating

The Spot Weather Forecast for the fire issued at 0923 hours by the BoM indicated a maximum FFDI of 25 and a maximum GFDI of 15 (both at 1600 hours on 6 January 2016).

Total Fire Ban

A TFB was not in place on 6 January 2016. The Special Inquiry has reviewed the criteria for the declaration of a Total Fire Ban and is satisfied that the decision not to make a declaration is within the criteria.

Information issued to residents of Yarloop on 6-7 January 2016 – Overview

Community Alerts – Emergency Warning

By the morning of 7 January 2016, all community alerts were prepared and approved by the P&W IMT, and distributed through DFES media.

Prior to the bushfire impacting on the town of Yarloop at approximately 1930 hours on 7 January 2016, the town of Yarloop was the subject, in part, of a number of warnings. The report first identifies the various alerts and warnings that were in place, and then secondly analyses the extent to which these alerts meet the objectives set out in Westplan - Emergency Public Information and the explanation and reasons provided in this respect.

The Emergency Warning issued by P&W at 2225 hours on 6 January 2016 covered a specified geographical area. That geographical area specified Johnston Road as one of the boundaries. Johnston Road runs east – west through the northern part of the town of Yarloop. Accordingly, the Emergency Warning covered part only of the town of Yarloop.

At 0105 hours on 7 January 2016, the Emergency Warning geographical area was amended, extending the area covered east to Forrest Highway, as follows:

> *… people bounded by Willowdale Road, Johnston Road, Forrest Highway, Dorsett Road, Coronation Road and Nanga Brook Road including Waroona townsite in the Shire of Waroona.*

At 0205 hours on 7 January 2016, the Emergency Warning geographical area was further amended, extending the area covered north - east, as follows:

> *... people bounded by Willowdale Road, Johnston Road, Forrest Highway, Dorsett Road, Williamson Road, Mayfield Road and Nanga Brook Road including Waroona townsite in the Shire of Waroona.*

No amendments were made to extend the Emergency Warning any further south.

At 0300 hours the Emergency Warnings were amended to include the town of Preston Beach. An Emergency Warning containing the same geographical description (but no express reference to the town of Yarloop) continued to be issued throughout 7 January 2016 at the following times: 0400 hours, 0440 hours, 0555 hours, 0655 hours, 0755 hours, 0855 hours, 0910 hours, 1010 hours and 1110 hours.

At 1210 hours on 7 January 2016, the Emergency Warning was amended to include:

> *... people in the Harvey townsite and surrounding areas in the Shire of Harvey.*

The Emergency Warning was reissued in similar terms at 1330 hours, 1435 hours, 1535 hours, 1635 hours, 1735 hours and 1835 hours.[23]

At 1935 hours, the Emergency Warning was amended to include the towns of Wagerup, Yarloop and Cookernup. The wording was amended to read as follows (amendments marked in underline):

> *... people in the Harvey townsite and surrounding areas in the Shire of Harvey. <u>This includes the towns of Wagerup, Yarloop and Cookernup.</u>*

At 2035 hours a completely amended and consolidated Emergency Warning and Advice Warning was issued covering the entire area impact by the bushfire, and the areas immediately to the north and south. For the purposes of Yarloop, the town was expressly mentioned in the Emergency Warning.

<u>Community Alerts – Watch and Act</u>

At 0555 hours on 7 January 2016, a Watch and Act alert was issued for the following geographical area:

> *... people bounded by Johnston Road, Willowdale Road, Forrest Highway, Riverdale Road and Logue Brook Dam and Clark Road to Nanga Road in the Shire of Waroona.*

This description covers the remaining geographical area of the town of Yarloop south of Johnston Road, and also at least part of the town of Cookernup. However, the Special Inquiry notes that the Watch and Act alert refers only to the Shire of Waroona, when the majority of this Watch and Act alert covers an area in the Shire of Harvey.

[23] Whilst there were some amendments to the Emergency Warning over this period, none address the issues identified by the Special Inquiry as being of significance.

This Watch and Act alert continued to be issued with this description at the following times: 0655 hours, 0755 hours, 0855 hours, 0910 hours, 1010 hours, 1110 hours, 1210 hours, 1330 hours, 1435 hours, 1535 hours, 1635 hours, 1735 hours, 1835 hours and 1935 hours.

At 2035 hours, when the completely amended Emergency Warning and Advice Warning was issued, the Watch and Act advice ceased to be issued.

Smoke Alerts

The Smoke Alerts issued at 1630 hours and 1935 hours on 6 January 2016 covered the town of Yarloop and also specifically mentions the town. It is understood that these smoke alerts were issued following concerns raised by the Waroona Chief Bush Fire Control Officer about the adequacy of existing warnings to Hamel, Yarloop and Preston Beach.

Community Alerts – Summary

By way of summary:

- between 2225 hours on 6 January 2016 – 1930 hours on 7 January 2016, that part of the town of Yarloop north of Johnston Road fell within an Emergency Warning area. However, there was no express reference to the town of Yarloop;
- between 1210 hours on 7 January 2016 – 1930 hours on 7 January 2016, an Emergency Warning covering the town of Harvey and surrounding areas in the Shire of Harvey existed. However, there was no express reference to the town of Yarloop;
- from 1935 hours on 7 January 2016 Yarloop and Wagerup were expressly mentioned in an Emergency Warning;
- between 0555 hours – 2030 hours on 7 January 2016, that part of the town of Yarloop south of Johnston Road, fell within a Watch and Act advice. However, there was no express reference to the town of Yarloop, and the Watch and Act advice referred to the Shire of Waroona (but not the Shire of Harvey); and
- from 1630 hours on 6 January 2016 the town of Yarloop fell within the Smoke Alert area.

Community Alerts – Discussion

The Special Inquiry received many submissions regarding the timing or lack of a specific warning for the town of Yarloop. As outlined above, the town of Yarloop was not mentioned specifically in any warning (other than the Smoke Alert) until 1935 hours on 7 January 2016, by which time the bushfire was already impacting on the town of Yarloop.

On 6 January 2016, the IMT did not consider Yarloop to be in an area of immediate threat of impact from the fire, and therefore did not consider Yarloop in the context of warnings.[24]

The incoming IMT commencing on the morning of 7 January 2016 consisted of a Public Information Team (PIT), comprising (relevantly) a Public Information Officer, an Alerts Officer and a Media Liaison Officer. The PIT also utilised the services of the DFES community liaison section to undertake the community liaison function. Two community liaison teams operated, one supporting the Murray Leisure Centre in Pinjarra, and the other

[24] Ridley, J., Hearing, 17 March 2016

the Leschenault Recreation Centre in Australind. The PIT provided information to the DFES community liaison teams, and in turn the PIT was kept informed by the community liaison teams.[25]

The Alerts Officer explained to the Special Inquiry that the usual process for issuing a community warning or alert is for the Alerts Officer to speak to all relevant members of the IMT to obtain an understanding of the fire behaviour and any changes that have occurred in relation to the fire so alerts and warnings can be considered, and amended if needed. The Alerts Officer may speak to the IC, Deputy Incident Controller (DIC), Planning Officer, Operations Officer and the intelligence section.[26] The alerts officer will then draft the wording of the community alerts, which are all based on templates. Either the IC or the DIC will approve the wording of alerts and any amendments.[27] The Warnings officer types up the necessary wording and it is emailed to DFES media to be published (after appropriate checking).[28]

The incoming IMT suffered from a number of delays during the morning of 7 January 2016. Most of the IMT team members were due to commence their shift at around 0600 hours. Many had left their homes around 0400 hours in order to arrive.[29] However, those members of the incoming IMT located to the south of Waroona (being the majority of P&W officers) faced delays in the form of Vehicle Control Points. The IC did not arrive until 0900 hours,[30] whilst the Public Information Officer and Alerts Officer arrived between 0800 hours[31] 0850 hours.[32]

During the evening of 6 January 2016 and the early morning of 7 January 2016, the ICC was moved from the P&W Mundaring Office to the Waroona Oval in order to be closer to the fire. This necessitated the establishment and full mobilisation of the mobile ICC.

Both necessarily affected the effectiveness of handover processes and the smooth commencement of this shift of the IMT.

Upon arrival, the Alerts Officer had significant difficulty in obtaining a sufficient map of the entire fire area. The Alerts Officer explained that without such a map, she was unable to obtain a visual picture of the area covered by the various alerts and warnings. Further, without a sufficient map, the PIT was unable to identify and specify the appropriate geographical area to be included in any warnings.

The difficulty facing the IMT was that the fire was of such a size that it covered too large an area for one map, and those maps that were electronically available were of such a scale that it was not possible to properly identify all the various road names. Whilst the IMT did include mapping officers, all those officers were busy producing maps for other members of

[25] Henderson, P., Hearing, 18 March 2016
[26] Hill, C., Hearing, 18 March 2016
[27] Ibid
[28] Hill, C., Hearing, 18 March 2016, Henderson, P., Hearing, 18 March 2016
[29] Hill, C., Hearing, 18 March 2016
[30] Mair, G., Hearing, 18 March 2016
[31] Henderson, P., Hearing, 18 March 2016
[32] C. Hill., Hearing, 18 March 2016

the IMT, including for the IAP.[33] The Alerts Officer did not obtain a suitable map until approximately 1630 hours.[34]

Upon arrival at the ICC, the members of the PIT attempted to gather as much information as they could. The PIO also attended the IMT meeting at 0932 hours.

However, the first time the PIT was given specific information about the appropriate alerts and warnings to issue was at 1129 hours, when the IC spoke to the PIT in their office. Prior to this point in time, the Alerts Officer had been attempting to obtain information from speaking to other members of the IMT, and previously issued community alerts had simply been routinely reissued.[35]

The IC had limited time to speak to the PIT, as he was leaving the ICC to attend a community meeting in Pinjarra. The IC advised the PIT that the Wagerup refinery was under threat, Logue Brook was under threat and needed to be closed, the South West Highway had been closed at Harvey, the fire was in Cookernup and that an Emergency Warning for the Harvey townsite and surrounds needed to be issued.[36]

The Alerts Officer recalls the PIT being requested to issue an Emergency Warning for the Harvey townsite and the surrounding area. The Alerts Officer understood that the reason for this was the belief that the fire had reached the town of Cookernup and it was too late for Harvey residents to leave the town.[37] The Public Information Officer recalls the thinking at the time being that if the fire was in Cookernup, it had already gone through Yarloop.

Ultimately, it was established that the fire in Cookernup was a transformer fire and not the main fire.[38]

Notwithstanding the incorrect initial information regarding Cookernup, the PIT issued the Emergency Warning for Harvey and surrounding areas at 1210 hours.[39] The Alerts Officer explained that this was undertaken without having the map to identify a geographical area, and it is for this reason that the amendment inserted the reference to the Harvey townsite and surrounding areas.[40]

When questioned about the meaning of the term "and surrounding areas" the Alerts Officer advised the Special Inquiry that it is, "a common terminology, especially when you're talking areas … not the major towns … in the South West." The Alerts Officer explained that you might have, "lots of little towns, little subdivisions and things like that."[41] The Public Information Officer was of the view that the Emergency Warning extended to the town of Harvey and all areas in between, including Yarloop.[42]

[33] Hill, C., Hearing, 18 March 2016
[34] Hill, C., Hearing, 18 March 2016; DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016 p. 55
[35] Henderson, P., Hearing, 18 March 2016
[36] Ibid
[37] Hill, C., Hearing, 18 March 2016
[38] Henderson, P., Hearing, 18 March 2016
[39] Hill, C., Hearing, 18 March 2016
[40] Ibid
[41] Ibid
[42] Henderson, P., Hearing, 18 March 2016

Once the Alerts Officer obtained the required map, the Alerts Officer commenced the process of marking out the areas covered by the various alerts and warnings in place. The Alerts Officer then used a copy of the community alert issued at 1730 hours and marked up a series of amendments to that wording. Once the geographical area was identified, the various towns falling within that area were identified.[43]

The amended wording was then approved by either the IC or the DIC. The Alerts Officer then emailed the wording of the community alert to DFES media and it was issued. The Emergency Warning specifically mentioning Yarloop was issued at 1935 hours (having missed the timing for the 1835 hours issue).[44]

The Alerts Officer advised the Special Inquiry that at no time was she ever asked to include the towns of Yarloop or Cookernup.[45]

Emergency Alerts

The Special Inquiry is not aware of any Emergency Alerts being issued on 7 January 2016 that specifically refer to Yarloop, or include Yarloop in the geographical area to which the Emergency Alert applies.

The Special Inquiry notes that only part of Yarloop was included in the geographical area to which the Emergency Alert issued at 2036pm on 6 January 2016 targeting the residents of Waroona.

Emergency Alerts were issued on 7 January 2016, however these largely focussed on the geographical area surrounding Preston Beach and Waroona. The Special Inquiry also notes that Emergency Alerts were issued to residents of the Harvey townsite on 8 January 2016.

Community Alerts and Emergency Alerts – Findings

The Special Inquiry accepts that it was reasonable for the IMT on 6 January 2016 to focus on warnings for the town of Waroona as opposed to Yarloop. The Special Inquiry accepts that the question of warnings extending to the town of Yarloop fell more properly to be considered by the IMT on 7 January 2016.

The Special Inquiry notes that the town of Yarloop was not specifically mentioned in any warnings (other than Smoke Alerts) prior to 1935 hours on 7 January 2016.

The Special Inquiry accepts that there are several ways of reading the earlier Emergency Warnings in regards to their application to the town of Yarloop. Part of the town of Yarloop, being that part north of Johnston Road, falls within the geographical area identified in all Emergency Warnings issued from 2225 hours on 6 January 2016. However, the town of Yarloop is not specifically mentioned.

From 1210 hours on 7 January 2016, an Emergency Warning is applicable to the Harvey townsite and surrounding areas. The phrase 'surrounding areas' is subject to different meanings in a rural context. On one hand, it is possible to read the phrase as referring to

[43] Hill, C., Hearing, 18 March 2016
[44] Ibid
[45] Ibid

small surrounding towns, such as Yarloop and Cookernup. On the other hand, it is possible to read the phrase as applying to smaller subdivisions or localities.

The fact that there are multiple possible interpretations of the phrase leads the Special Inquiry to the conclusion that the wording was not as clear as it could have been. The Special Inquiry is fortified in this regard by the fact that at 1935 hours the town of Yarloop was expressly referenced in the Emergency Warning issued at that time.

The Special Inquiry also considers that the wording of the Watch and Act advice first issued at 0555 hours was confusing, given that it referred to the Shire of Waroona and did not mention the Shire of Harvey.

The purpose of the provision of information to the public during an emergency is to furnish the public with consistent, adequate and timely information and instructions, in order that people will be aware of the situation and take appropriate actions to safeguard life and property. In order to achieve this objective, it is necessary that warnings and alert be issued, and that the wording of all alerts and warnings be as clear and as timely as possible.

FINDING: On the evening of Thursday 7 January 2016, there was a delay in issuing a Bushfire Emergency Warning that was specific to Wagerup and the townships of Yarloop and Cookernup. An Emergency Warning was issued at 1935 hours. There was no Emergency Alert telephone warning that specifically mentioned Yarloop or Cookernup issued on 7 January 2016.

Standard Emergency Warning Signal

SEWS were issued with each of the Emergency Warnings issued by P&W and DFES on 7 January 2016.

For completeness, the Special Inquiry notes some inconsistencies with the use of SEWS and alignment to Emergency W\warnings on some days. For example all Emergency Warnings issued between the period of 20.25pm on 6 January 2016 – 11.15pm on 8 January 2016 had a SEWS alert notification included in the alert. However, on 9 January 2016, 24 emergency warnings were issued of which eight (8) had SEWS notifications attached and out of 23 emergency warnings issued on Sunday 10 January 2016, none had SEWS attached.

Although falling outside the period of time the Special Inquiry has focussed on, the Special Inquiry draws this to the attention of DFES and P&W.

Fire Danger Rating

The Spot Weather Forecast issued by the Bureau of Meteorology at 2151 hours on 6 January 2016 for Waroona was for a maximum FFDI of 33 at 1600 hours on 7 January 2016 and a maximum GFDI of 28 at 0700 on 7 January 2016.

Total Fire Ban

A TFB was not in place on 7 January 2016.[46] On 7 January 2016 the decision not to impose a TFB was made due to the regional indicators not being reached as per DFES SAP 3.5A – Total Fire Bans. The Special Inquiry has reviewed the criteria for the declaration of a TFB. It is a matter of conjecture whether the declaration of a TFB on the day would have enhanced community understanding of the bushfire risk for the day. The Special Inquiry is satisfied that the decision not to make a declaration is within the criteria.

Other Media and Information

The IMT provided information to the community in other forms, including at community meetings and in the media.

A number of community meetings were held between 7 – 13 January 2016 in Waroona, Pinjarra and Australind. The Special Inquiry understands that all were well attended by community members.

On Thursday 7 January 2016 the IC attended community meetings in Waroona (in the morning) and Pinjarra (in the afternoon) and was able to reinforce and clearly communicated the seriousness of the fire to those who attended.[47]

The Special Inquiry notes that the IC recognised the need for his presence at community meetings and to participate in media interviews.

A community meeting was held at the Pinjarra evacuation centre at 1400 hours on 7 January 2016. At that meeting, the IC advised members of the community that the focus was now on Yarloop.[48]

The IC was only able to attend community meetings in Waroona and Pinjarra, due to Vehicle Control Points restricting his ability to attend community meetings in the Leschenault Leisure Centre in Australind.

The Special Inquiry encourages the continual use of community meetings as a forum for communication information to members of the public.

The Special Inquiry also notes the usefulness of media interviews and reports in providing members of the public with information during a bushfire. The IC gave a pre-recorded interview to the ABC at 1253 hours on 7 January 2016, in which the IC stated that, 'the fire is bearing down on the townships of Yarloop, Cookernup and Harvey'. Unfortunately, that interview was never played.[49]

The P&W Media Liaison Officer participated in a radio interview to the ABC at 1317 hours in which he emphasised that the fire was still very dynamic and strong overnight winds had

[46] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 13
[47] Mair, G., Hearing, 18 March 2016
[48] Submission of member of the public 11
[49] Mair, G., Hearing, 18 March 2016; DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016

pushed the fire onto the coastal plain. The Media Liaison Officer stated that the priority was to protect life and property particularly around Yarloop.[50]

The IC also participated in a live to air interview to ABC radio at approximately 1500 hours, in which he again emphasised the seriousness of the fire.[51]

The Special Inquiry has received evidence which suggests that information over the radio is most effective when it is in the form of interviews, the IC speaking directly on the radio or when announcers 'localised' warnings by noting changes they identified in warnings from previously read or received warnings.

The Special Inquiry encourages the work of the community and media liaison teams in relation to the dissemination of public information during a bushfire.

General issues regarding the wording of Community Alerts

The Special Inquiry has received evidence from various sources that the wording of the community alerts was confusing and difficult to follow.

Stacking

Some of the community alerts and warnings that were issued combined more than one alert. For example, the community alert issued 0150 hours on Friday 8 January 2016 contained three different Emergency Warnings, one Watch and Act Alert and one bushfire Advice. This is known as 'stacking' of alerts.

Each of the various alerts contains information on what to do, bushfire behaviour, contact numbers and identification of evacuation centre. Many also contain extended geographical area descriptions.

Whilst all information in a community alert is important, the stacking of alerts results in a very long community alert, and many people may not realise that more than one community alert is included. It also makes the community alert very difficult to be read out over the radio or on television.[52]

Length and Geographical Descriptions

The Special Inquiry also received evidence that the warnings were often long and verbose and difficult to understand.[53]

In particular, the lengthy geographical descriptions used in the community warnings were confusing. In particular, by not using relevant townsites, points of interest and by repeating the same road names in the boundary descriptions of more than one alert level.[54]

[50] Department of the Premier and Cabinet, Media Monitoring Unit summary, 7 January 2016
[51] Mair, G., Hearing, 18 March 2016
[52] Hill, C., Hearing, 18 March 2016
[53] Submission of member of the public 5
[54] Submission of member of the public 92

> *I think the other thing is that we need a better way of describing the alert areas. When you're talking a very large fire, the number of roads that are involved, they just go on and on and on.*[55]

The lack of the inclusion of a suitable map in the community alerts issued on the DFES website was also the subject of submissions received by the Special Inquiry. Those submissions stated that the map which was included was a Google map with a general indication of the location of the warning area only. This was insufficient to enable members of the public to properly judge the actual location of the fire.[56] The Special Inquiry has heard evidence that information in the form of a map as to whether the current fire front was would also be of assistance in the warning.[57]

Some submissions have suggested that the Landgate FireWatch satellite on the Landgate website[58] is of more assistance, and queried whether DFES can include a link to that website on its community alerts.[59]

The Special Inquiry supports any review of the wording used in community alerts and the inclusion of other information/links which help make the community alerts more user friendly for members of the public.

Further, the Special Inquiry sees merit in considering a system where successive public information messages highlight new information (eg: by colour, emboldening or font). In this way the reader can have their attention drawn to what information is new or changed since the last alert.

General issues regarding maps

Alert boundaries are drawn onto maps to enable a visual description of the areas that a particular community warning or Emergency Alert apply to. This can be a fairly simple task in an urban context or where there are a number of identifiable roads. However, it can be more difficult in a rural setting due to unmarked roads.

Significant issues were encountered by the PIT on 7 January 2016 in defining roads for alert boundaries due to the DFES South West Region Emergency Services Directory (ESD)[60] not extending to cover most of the Shire of Waroona. The ESD is a map book provided to all agency and volunteer emergency services personnel, providing a common location reference tool. In particular, there is no ESD for the P&W Swan Region. Further, the IMT needed to use multiple ESD books in order to create one useable map of part only of the fire ground.

P&W have their own series of electronic maps, known as Conservation Operations Graphics maps (COG maps). However, these maps did not clearly show all road names (even when the zoom function was used).

[55] Hill, C., Hearing, 18 March 2016
[56] Confidential submission
[57] Submissions of members of public and Hill, C., Hearing, 18 March 2016
[58] Landgate, *FireWatch*, at http://srss.landgate.wa.gov.au/fire
[59] Confidential Submission
[60] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 55

Without that map it was proving extremely difficult to get a visualisation of where the alerts were.[61]

Mapping officers were able to produce suitable maps by the late afternoon on 7 January 2016, which allowed the Alerts Officer to improve and identify the mapping of boundary areas for alerts.

It would appear to the Special Inquiry that an increased emphasis should be placed on the Public Information function and the importance of providing the PIT with current maps.

Emergency Alert system

The current Emergency Alert system used by DFES is a web based system designed for the purpose of delivering community warnings regarding emergencies to fixed land lines (based on service address) and mobile phone (based on address or phone location) in a defined area.[62] The area subject to the Emergency Alert is determined by the agency authorising the message.

The Special Inquiry has received evidence that many community members did not receive any Emergency Alert messages at all; that some received one or two SMS very early in the fire, and others received messages after the fire had passed.

The Special Inquiry also notes the significant number of failed and undelivered SMS and landline messages. It is unclear to the Special Inquiry what caused these delays and failed and undeliverable Emergency Alerts. However, the Special Inquiry notes there are a number of limitations of the system.

In particular, the system depends on a geographical warning area being accurately identified. Accordingly, it is crucial that the geographical area be accurately identified. Further, if the last known location of a mobile telephone handset is not in the waring area, then the message will not be received. The system will also not work if the mobile telephone handset is switched off, if the network has been affected, for example by the loss of power.

During the fire the Yarloop Telstra exchange was undamaged, however 18 mobile sites lost AC mains power and some optic fibre serving the mobile sites was also damaged.[63] This caused some access restrictions which affected the areas of Waroona, Lake Clifton and Yarloop.

Whilst all attempts should be made by agencies to utilise the Emergency Alerts system in a timely and accurate manner, the Special Inquiry considers that it is important for members of the public to be aware of the technological limitations of this system, particularly in a bush fire, and not put off making decisions regarding evacuation until receiving an Emergency Alert.

[61] Hill, C., Hearing, 18 March 2016
[62] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p.52
[63] Submission of Telstra

Critical Messaging System

Recommendation 34 of the 2011 Perth Hills Bushfire Report, recommended:

> *FESA develop, in partnership with other emergency service agencies, a 'one-source-one-message' multilayered system similar to that recommended by the Victoria Bushfires Royal Commission.*

The Special inquiry understands that currently, DFES and P&W use an application called Newsletter Manager Pro to generate alert messages which are then distributed to email lists. The messages are then manually pasted onto the DFES and P&W websites.[64] In addition to this, DFES media manually updates pre-recorded public information telephone line message files. This process is repeated every hour during a major incident and duplicated for P&W warnings.[65]

A review of the current system determined that the processes are time consuming, ineffective and open to human error.[66]

Unlike Victoria and other States, Western Australia does not have a Critical Message System (CMS). Victoria utilises a CMS app called 'Fire Ready' which includes a live incident map, watch zones, GPS integration and advice information. It also gives users the ability to share incidents and warnings with friends and family.

In furtherance of the 2011 Perth Hills Bushfire Report recommendation, DFES is currently proceeding with the purchase of a CMS to replace the existing software. The CMS will accept automatic and manual feeds of information to generate communications which standardises messages. It then catalogues and publishes messages instantaneously across a range of mediums including emergency information websites, Twitter, Facebook, phone lines and news alerts. It can also archive and expire old information which assists in the management, production and distribution of public information during emergencies and other related communications[67].

The introduction of a CMS would fulfil recommendation 34 from the 2011 Perth Hills Bushfire Report and assist in providing the community with a 'one stop shop' of emergency information and an 'at a glance' holistic picture of emergency events across the state in real time including an interactive map. It would also streamline processes and provide efficient distribution of public information through the removal of multiple systems to manage a single message, resulting in reduced duplication and manual errors.

In addition, a CMS will ensure a live incident feed that will automatically publish information as soon as an incident is recorded on the Computer Aided Dispatch system. It will include the ability to view prescribed burns information alongside alerts and warnings. The DFES website's default interface will also be an interactive map.

[64] Department for Fire and Emergency Services, *Critical Messaging System Business Case*, p. 5
[65] Ibid, p. 6
[66] Ibid, p. 5
[67] DFES, *Project Options Paper: CSB064 Critical Messaging*, p. 5

The purchase of a CMS has been the subject of a tender process, with a contract being awarded to Whispir on 8th February 2016.[68] DFES are funding the initial development and establishment of the CMS on behalf of all government agencies and P&W anticipates becoming a user of the system once it is established.[69]

The Special Inquiry supports the prompt establishment of the CMS.

'Fire Ready' App

Whilst the DFES website can be accessed by handheld devices such as mobile telephones and tablets, DFES does not currently a smart phone application (app) service whereby members of the public can 'opt in' to receive community alerts and other information direct to their smart phones and other mobile devices.

The Special Inquiry notes that a number of other Australian States use a smart device application that enables a subscriber to receive fire information and warnings. By subscribing to a 'Fire Ready App' the subscriber can set up a mobile phone (or other smart device) to:

- receive general warnings regarding fire danger and Total Fire Bans;
- receive warnings and advice messages regarding 'fires near me'; and
- receive specific location based warnings within a radius of a nominated 'watch zone'.

The system is geo-referenced using a scalable Google map base. Where an incident occurs within a watch zone, the subscriber can see whether vehicles are attending and the control status of the incident. The App is also a social media touch point.

The Special Inquiry has received evidence that in the 2016-17 financial year DFES proposes to establish a Digital Communications and Social Media Team to take advantage of new technology. It is also proposed that this team will be tasked with expanding DFES social media engagement, developing the CMS and also investigating and delivering an app for handheld devices. Whilst specific details of the app have not yet been finalised, DFES proposes to deliver the app by 2017-18.[70]

Recommendation 11: The Department of Fire and Emergency Services to investigate and adopt a system that will allow the public to opt in, monitor and receive, through a 'push mechanism', bushfire and other emergency warnings, maps and information using a wide variety of devices including personal hand held smart devices.

The Special Inquiry notes that the Shire of Yilgarn is a user of the app 'Whispir', an 'opt in' service. Feedback received from the Shire indicates the app is used primarily to advise the community of fire and harvest bans and they have not received any complaints from the community that the messages are not being received by relevant persons or in a timely manner.[71]

[68] DFES, *Project Status Report 20160229: Critical Messaging*
[69] Letter from DFES to P&W dated 20 January 2016
[70] DFES, information provided in response to Special Inquiry summons dated 7 April 2016
[71] Shire of Yilgarn email to the Special Inquiry dated 12 April 2016

Finally, the Special Inquiry notes that DFES is also working with WALGA to incorporate the delivery of alerts and warnings via its 'LocalEye' app in the near future. If this proceeds, this will allow people to register with the 'LocalEye' app to receive alerts and warnings in their area.[72] The Special Inquiry notes that no specific timeframe has been put on such a project, but encourages DFES to take steps to have this project ready for the commencement of the 2016-17 bushfire season.

Social media

Social media has been recognised as playing an increasing role in the efficient and effective method of dissemination information during crisis events such as the 2011 Queensland floods, Christchurch earthquakes and the 2013 Boston Marathon bombings.[73]

The use of social media within emergency management is still being developed and appears to lack coordination across agencies. The Australia-New Zealand Emergency Management Committee is coordinating the development of a national framework for the use of social media in crisis communication which aims to improve knowledge sharing across the Australian emergency management organisations about the effective use of social media.

Unlike some agencies DFES does not have a dedicated Facebook page. However, DFES utilises a Twitter account which disseminates alerts and warnings, FDRs, TFBs and media releases at intervals after they appear on the DFES website. These notifications are based on Really Simple Syndication (RSS) feeds which is a data format for syndicating news and other information from websites. RSS feeds are by subscription and provide free updates to a computer at designated intervals when content is updated on a website.

P&W has a Facebook presence for general news/media releases of agency activities in the community, fire mitigation works, such as prescribed burning and bushfire alerts. P&W also utilise Twitter and YouTube to some extent.

A further example of a social media platform that may assist the community is the Facebook Safety Check function. During a major disaster, Safety Check can assist to:

- let friends and family know you are safe;
- check on others in an affected area; and
- mark friends or family members as safe.

In evidence received by the Special Inquiry, community members note that the use of social media would have been an additional and effective method of communication to assist in the distribution of information relating to the incident, alerts and warnings.[74] Often, members of the public took it upon themselves to share official information on social media.

The Special Inquiry encourages the use of social media by DFES, P&W and local government to disseminate public emergency information during a bushfire. The Special Inquiry notes that in the 2016/17 year DFES proposes to establish a Digital

[72] DFES, information provided in response to Special Inquiry summons dated 7 April 2016.
[73] Flew, T., et al, *Support Frameworks for the Use of Social Media by Emergency Management Organisations: Policy Report*, Queensland University of Technology, November 2015
[74] Confidential Submission

Communications and Social Media Team, and one task for this new team will be to expand DFES social media engagement. The Special Inquiry encourages this development.

> *Many people were going to Facebook for information.*[75]

Power issues

The loss of power to residents within the Shires of Waroona and Harvey from early on Thursday 7 January 2016 caused significant disruption to essential services including telecommunications.

Unless community members utilised battery operated or non-powered technology, the capacity to make use of some the warning systems such as ABC radio, television, internet and some telecommunication service providers was significantly reduced or, in many cases, completely unavailable.

The Special Inquiry notes the limitations of many of the modern methods of providing public information during an emergency. It is for this reason that the Special Inquiry considers it appropriate to give consideration to the use of emergency sirens.

Sirens

There are a variety of reasons why modern methods of providing public information may not be received, including the lack of mobile network coverage and power outages.

An alternative which is used effectively in Victoria and many European countries (such as Austria) is the use of emergency warning sirens. These fixed sirens are used to alert a community to an imminent emergency. It is the responsibility of individual community members to seek further information on the specific emergency.

The Special Inquiry is not aware of any community alert sirens used in Western Australia, however in both written and oral evidence received by the Special Inquiry many individuals suggested that the use of an emergency warning siren would have assisted them, specifically as most methods of communication and warning notifications had failed:

> *A warning siren would be brilliant … I grew up in country New South Wales and we had warning sirens on our fire station. And they had different warning sirens, different tones for different things. So we knew that if a certain siren rings then it's – it's time to start packing your car…*[76]

Emergency warning sirens could be used in addition to other warning methods such as emergency alerts provided by mobile and landlines, website updates and other emergency broadcasting methods.

Sirens will not be suitable for every community and there are factors that may inhibit their effectiveness and appropriateness. Local Governments should determine if their communities would benefit from using a siren as a form of additional warning. A Policy or guideline to

[75] Submission of member of the public 11
[76] Colebrook, M., Hearing, 4 March 2016

assist in this determination should developed in conjunction with consultation from key community representative groups such as WALGA.

Opportunity 9: The State Emergency Management Committee to develop policy guidance for local governments regarding the installation of bushfire and emergency community warning sirens in 'at risk' communities.

Being alert and situationally aware.

There are a range of warning methods and technologies that are available. Simple as it may seem, we should not dismiss the importance of situational awareness. Being generally aware of the FDR, and vigilant on days of elevated fire danger are simple and effective actions for everyone to consider. Bushfires can and do start suddenly and travel quickly. Developing and issuing warnings takes time. The importance of a periodic walk around the house or the workplace, and a scan of the horizon for smoke, should not be dismissed.

Importance of reinforcing the role of warnings

It is noted that the doctrine around warnings and public information advice during an emergency includes SEMC policies, Westplan – Emergency Public Information, Westplan – Fire, the DFES WAFESM and the P&W Bushfire Manual.

The criticality of issuing warnings that are timely, accurate and relevant is self- evident. It is imperative that key guidance by agency heads continually drill the importance of doctrine about warnings to all those involved in the response to bushfires.

This lesson was brought home to Victorian fire agencies in the aftermath of the 2009 Victorian bushfires. The inability of key agency leaders and ICs to place priority consideration to warnings has been harshly reinforced.

The Victorian Bushfires Royal Commission concluded that the Chief Officers:

> *…should have done more in relation to warnings, supporting incident management teams and statewide planning. To the extent that they relied on their subordinates to perform these tasks, this reliance was ineffective. Responsibility for the failure of the chain of command must rest at the top.*

Further, that the Chief Officers:

> *…were in a unique position—with the ability to oversee and assess the potential of multiple fires as they developed across the state and to monitor the progress of the south-westerly wind change—to appreciate the need for a strong emphasis on warnings to the public and for increased support for incident management teams that would inevitably be sorely stretched by events on the day. … there was little of greater strategic importance than monitoring the passage of the wind change because of its deadly potential. This was not done in a manner that would have led to the maximum advantage being gained from the meteorological information.*[77]

[77] Royal Commission into Victoria's Bushfires, McLeod, R. N., Pascoe, S. M., & Teague, B. G., 2010. *Final report: Volume 2*. Melbourne, Government Printer for the State of Victoria, p. 81

The Victorian Bushfires Royal Commission went on to identify a number of relatively simple practices that they believe would have greatly assisted "in identifying shortcomings in warnings and in the composition and effectiveness of incident management teams":

- *Once a fire had been reported, requiring the responsible incident management team to provide to the iECC as soon as practical an incident action plan summary, which should have been used to ascertain whether critical matters such as warnings, resourcing and firefighter safety were being factored into the strategy for the fire.*
- *Requiring provision of predictive maps—either by the IMT or by the fire behaviour analysis unit within the iECC itself—and a list of all warnings issued for an incident (and updated as required).*
- *On the basis of the predictive map and the list of warnings – confirming that communities in the probable path of the fire had been warned – ensuring that the warnings took adequate account of known weather information, such as forecast wind changes – issuing additional warnings as required.*
- *On the basis of predictions for all the fires, developing priorities for the fires according to the greatest threat to life and safety and allocating state resources with that in mind.*[78]

Further, the Victorian Bushfires Royal Commission reinforced the need to inculcate mindfulness about warnings:

> *Traditionally, and unsurprisingly, the fire agencies' focus has been the suppression of fires, which goes some way towards explaining why insufficient priority was given to warnings on 7 February. This lack of prominence attached to warnings should also be seen in the context of the 'Prepare, Stay and Defend or Leave Early' policy, which, with its emphasis on individual fire plans and making decisions in advance of a fire, tends to diminish the importance given to the provision of targeted warnings to communities in the potential path of a fire. A central message of the Prepare, Stay and Defend or Leave Early policy is that householders are 'on their own' in terms of their individual safety because the fire authorities will be fully engaged in fire suppression. .... On a day such as 7 February 2009—when the predictions were for a day more dangerous in terms of fire behaviour than any previously faced in Victoria—**the fire agencies needed a change in mindset to recognise that the most effective way of protecting communities would not be through fire suppression (which would probably prove ineffective) but by giving much more prominence to timely and accurate warnings. The tragic outcome of the fires brought this need for a change in priorities into sharp focus.***[79]

In addition to the responsibilities of the IC and the PIT, the SOC and ROC also have a role to play. It is reasonable to expect that one of the functions of these two layers in the line of control, in a Level 3 bushfire, is to overview and provide analysis of the IMT plans, including the community warnings emergency alerts. It is not evident to the Special Inquiry that staff

[78] Ibid
[79] Royal Commission into Victoria's Bushfires, McLeod, R. N., Pascoe, S. M., & Teague, B. G., 2010. *Final report: Volume 2*. Melbourne, Government Printer for the State of Victoria, p. 82

at either facility critically reviewed the community warnings and alerts prior to issuing the same.

The Special Inquiry considers that there is room for improvement by reinforcing the primacy of warnings during bushfire events to all those involved in the response to a Level 3 bushfire. In particular, the Special Inquiry considers that the role of the ROC and the SOC needs to be-visited to ensure that a facilitating, supporting and enquiring role in relation to the dissemination of public emergency information is clearly defined.

Public expectation

Finally, a consistent issue which has been identified by the Special Inquiry is managing public expectations concerning alerts and warnings.

The Special Inquiry notes the importance in providing public emergency information during a bushfire. It is essential to provide communities with information that is timely, accurate and consistent. This enables members of the community to make informed decisions based on the current and likely impact of the incident as well as up to date advice about evacuation. Agencies should continue to make improvements to the manner in which public emergency information is disseminated.

However, the unpredictability of bushfire behaviour, and a reliance on mains electricity for technology and communications, are inherent problems for agencies trying to balance community expectations of timely, reliable and effective warnings.

There is also a risk of over communicating warnings, which has the potential to lead to compliancy, message fatigue and general confusion. It is essential that members of the public are proactive in considering their own safety, and do not rely only on information from departments.

The Special Inquiry notes that community alerts and warnings are merely one method by which members of the community obtain information during an emergency. The Special Inquiry does not consider that members of the public should only rely on community warnings and alerts. In this case, the Special Inquiry notes that there were a number of warnings in place which should have indicated a level of vigilance by members of the public in Yarloop was required. This is reflected by the fact that some members of Yarloop had already evacuated. Further, during the afternoon of 7 January 2016, smoke from the fire was also visible in Yarloop.

Comments received in several written submissions to the Special Inquiry indicated that due to specific town sites not being mentioned in alerts, community members did not feel that action was required. The Emergency Alert Australia website[80] advises individuals to not wait to receive a warning message before acting and this message is also promoted in the DFES Community Engagement Bushfire Strategy. The Special Inquiry endorses this message.

As the technology, timing and content of emergency information and warnings continue to be enhanced, so too the expectations of the community increase. In attempting to meet all of the (varying) needs of community there needs to be a balance. There is a risk of a "learned

[80] Emergency Alert Australia website, http://www.emergencyalert.gov.au

helplessness". That is, some individuals will choose not to proactively seek information or to act on information until they are told or shown directly by the emergency services. Consistent with the theme of 'Shared Responsibility', the aim of warnings and advice should be to empower the public to act on their own, to the greatest degree possible.

The Special Inquiry considers that continued emphases should be placed on education around warning and alert meanings and limitations. Further, self-reliance and preparedness should continue to be encouraged for people living in bushfire prone areas.

Chapter Eleven – Evacuation and Shelter Issues

Evacuation Framework

Evacuation can be defined as the immediate and urgent act or process to move people away from a threat or actual occurrence of a hazard for reasons of safety.

Evacuation of people from an area affected by a hazard is one of the strategies that may be employed by emergency managers to mitigate the potential loss of, or harm to, life.[1]

The policy in relation to evacuations in detailed in State Emergency Management Policy 4.7 '*Community Evacuation*' (SEMP 4.7). SEMP 4.7 provides for two types of controlled evacuations: directed and recommended. A directed evacuation is where the Controlling Agency of an emergency situation issues a direction for the community to evacuate from a specified area as it is believed that there is an imminent and real threat to life should they remain.[2] Persons may also choose to self-evacuate.

A recommended evacuation is where the Controlling Agency provides advice to the community suggesting that they evacuate, but does not require them to do so. A recommended evacuation is applied when it is needed to mitigate the potential effects of an emergency on a community, based on the agency's risk assessment at that time, but where the risk is not perceived as extreme/imminent.[3]

The decision to issue a directed or recommended evacuation during an emergency rests with the Controlling Agency. The criteria to be considered prior to an evacuation decision being made are outlined in the WA Community Evacuation in Emergencies guide.[4]

When an evacuation is to occur, the Controlling Agency advises community members of the most suitable location they should evacuate to (e.g. evacuation centre, refuge site, place of last resort).[5] The operation of evacuation centres is discussed in more detail in Chapter 13 – Transition to Recovery when welfare issues related to the Waroona fire are considered more generally.

The Controlling Agency is also responsible for communicating guidance about evacuation through timely warnings and advice to the community.[6] Warning systems are discussed in more detail in Chapter 9.

Westplan – Fire provides that the WA Police are to assist in the conduct of evacuations, as requested by the Controlling Agency.[7]

Further, information and education regarding warning and evacuation should form part of local government's emergency management planning and preparedness process. This

[1] SEMC, SEMP 4.7 - *Community Evacuation*, 2014, [3]
[2] Ibid., [1.2]
[3] Ibid., [1.3]
[4] Ibid., [16]
[5] Ibid., [23]
[6] Ibid., [18]
[7] SEMC, Westplan – Fire, 2013, p. 53

information and evacuation plans should be communicated to the local community. The community engagement strategies should be documented in the local government's Local Emergency Management Arrangements (LEMA).

Evacuations during the Waroona fire

Recommended evacuations were conducted from an early stage in the Waroona fire. The IAP for Operational Period 1 noted the need to protect of users of the Bibbulmum Track and Murray campsite.[8] The Special Inquiry understands that on 6 January 2016 the IMT contacted the Lake Navarino campsite advising that the campers there should evacuate.[9] Approximately 120 people were evacuated. At approximately midnight on 7 January 2016, a 000 call was received from two campers who remained at the site; they were assisted from the fire ground at 0128 hours, 7 January 2016.[10]

The Special Inquiry also understands that on Thursday 7 January 2016 around 200 people were evacuated from the communities of Preston Beach and Yarloop.

The Special Inquiry understands that initially an evacuation of Preston Beach by road was conducted when egress from the only road in to and out of town was still possible. A member of the IMT noted difficulties in this evacuation of people from the Preston Beach township:

> *... we tried to evacuate Preston Beach, and we provided the safe route out of Preston Beach the following day, and I think 37 vehicles left and 200 people remained in the town, in spite of us trying to get them out. So, you know, I think – I think the potential of a fire like this is underestimated by the community. How would a community know what it's going to be like until it actually happens to them, physically?*[11]

Later, some of the remaining people sheltering on Preston Beach were evacuated from Preston Beach by boat on the morning of 8 January 2016. The evacuation included assistance from the Volunteer Marine Rescue Service. However, many people chose to stay.

This example demonstrates the enormity of the challenge when considering evacuation. In the case of Preston Beach, many people left it until too late to leave, then lacked confidence to shelter in place, and subsequently had to resort to sheltering in the Preston Beach car park from the afternoon of 7 January 2016 as the fire was closing in on the town and the only access/egress road had been cut off.

There were also a number of community members who were in Yarloop on 7 January 2016 when the fire began to bear down on the town. The Special Inquiry understands there was confusion as to whether the emergency warnings applied to Yarloop, and if so when or where they should evacuate to. A resident of Yarloop informed the Special Inquiry that at approximately 1700 hours on 7 January 2016 she was advised to evacuate by emergency services personnel; however she was not advised where to evacuate to:

> *WITNESS: ... and the senior ladies, our neighbours, were saying that, "You should get a warning from the police or from the fire brigade to evacuate and which way to go…*

[8] Incident Action Plan, Shift 1, 6 January 2016
[9] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 60
[10] Ibid
[11] Delaney, R., Hearing, 29 March 2016

[T]he big fire truck come down and he said, "You had better get out of here right away," but there was no sirens, never heard…"

SPECIAL INQUIRER: So the person who said to evacuate didn't tell you where to go?

WITNESS: No.[12]

As with Preston Beach, many people in Yarloop were unable to evacuate safely. They took shelter on the Yarloop Oval, protected by firefighters and water from the oval's reticulation, as the fire passed through the town.

In addition to the specific evacuations listed above, many people heeded the advice of emergency warnings suggesting they leave if they were not intending to defend their property and chose to self-evacuate. These people generally sheltered at evacuation centres or with family and friends in safer areas.

A recommended evacuation of the township of Harvey occurred on 9 January 2016. WA Police door knocking occurred between 1430 hours and 2025 hours on 9 January 2016. The WA Police informed the Special Inquiry that between 250 to 400 people chose not to heed the direction to evacuate.[13]

A WA Police Commander explained the complexities associated with undertaking door knock evacuations to the Special Inquiry:

So when we come to a directed evacuation that's where the Incident Controller says I want this place evacuated and there's some things we put in place around how we would do that, what's the trigger point, what time are we – we need a certain amount of time to do it, all those sorts of things. But, I mean, basically, our uniforms are what I'm wearing in front of you. It's not – it's not protective clothing.

We have no expectation that our officers put themselves at risk of death or serious injury. And there's incidents throughout this event where we have knocked on people's doors and we have advised them to go, and some have gone and some have not. So if it's practical, if it's possible, we will do it. But if it's of a magnitude that we can't do it or, I mean, it – and I guess the complexity in this is it's not like running down a row of terraced houses and knocking on someone's door. It's knowing where the house is on the property – all those sorts of things. So it's certainly – we have done that, but putting ourselves in harm's way or serious harm's way is not what we've instructed our officers to do.[14]

The Special Inquiry notes the complexities associated with evacuations.

[12] Archer, A., Hearing, 22 March 2016
[13] Tuttle, J., Hearing, 29 March 2016
[14] Ibid.

Shelter options during a bushfire

In addition to evacuation centres, other locations may be identified as places community members can evacuate to quickly and safely during an emergency situation. These are often known as sheltering in place, assembly areas or places of last resort.

Westplan – Fire provides that where it is not possible to evacuate in time, then the 'Protect in Place' procedure should be used.[15] The early identification of vulnerable locations, facilities and groups is important in ensuring that the evacuation effort and objectives are implemented on a priority basis.

Westplan – Fire also provides that the development of evacuation procedures is the responsibility of controlling agencies for bushfire and should be detailed in the local BRMP and referenced in the local government's LEMA. Facilities and community groups are to ensure that appropriate actions are taken to ensure the best possible safety of the community. This may include the identification of refuges and safer places as required.[16]

Neither the Shire of Harvey or the Shire of Waroona's LEMA have specifically pre-identified 'Places of Bushfire Last Resort' or community refuges. While the Shire of Waroona does nominate several 'designated assembly areas', in addition to evacuation centre locations in its LEMA, it is not clear how well these locations were communicated to the community. This is a matter which had recently been identified by the Shire of Harvey as requiring attention.[17]

As the Waroona fire was a major incident, the Shires of Waroona and Harvey will be required to review and update their LEMA's. The Special Inquiry considers this to be an opportune time to consider and investigate options for 'Places of Bushfire Last Resort'.

It is important for the community to be aware of safe places they can go to during a bushfire, along with how they can safely get there. During the Waroona fire, the Emergency Warning bushfire advice alert was utilised on multiple occasions. The alert contains evacuation advice under the heading of 'Places of Last Resort'. It stated:

> *If you cannot shelter in your home, a safe place you can go to is a local open space, a shed, swimming pool, dam or building where you may go to seek shelter from a bushfire. This will give you some protection from the effects of a bushfire. Take water, woollen blankets and wear protective clothing.*[18]

The Special Inquiry notes that specific places are not identified in the warning, and there is not an existing list of approved or agreed safe places.

DFES publishes a *Safer places in a bushfire* factsheet which is aimed at individuals who are considering their own bushfire survival plans.[19] This document encourages community members to consider the use of a safer place in the event that they cannot stay and defend

[15] SEMC, Westplan – Fire, 2013, p. 29
[16] Ibid., p. 17
[17] Letter from Shire of Harvey to Special Inquiry dated 11 March 2016
[18] Bushfire Emergency Warning message issued at 2225 hours on 6 January 2016
[19] DFES, *Safer Places in a Bushfire* fact sheet, at http://www.dfes.wa.gov.au/safetyinformation/fire/bushfire/BushfireFactsheets/DFES_Bushfire_Factsheet-Safer_Places_in_a_bushfire.pdf

their property. A safer place is somewhere they can go with the expectation of a reasonable level of safety and shelter until the immediate threat of bushfire has passed.

Places of Bushfire Last Resort

During the Waroona fire, there were two instances of places of last resort being used by the community to shelter from the fire: Preston Beach and the Yarloop Oval.

The Special Inquiry understands that there was only one access route in and out of the Preston Beach townsite. As there were no pre-identified 'Places of Bushfire Last Resort', the car park was used as a place to shelter due to its proximity to the ocean. A Preston Beach resident stated:

> *A lot of the local people have chosen to stay, we know if things get a bit hairy we can go down to the beach.*[20]

Further, it is understood that throughout the day and evening of 7 January 2016, there was uncertainty as to whether residents of Yarloop should evacuate. Some of this confusion resulted from the warnings and alerts that were issued over the course of the fire – this is discussed in Chapter 9.

This lack of early evacuation resulted in a number of people having to flee the township at the last minute, and take shelter on the Yarloop Oval. The Special Inquiry understands that approximately 79 people were sheltering on Yarloop Oval as the fire impacted the town.[21] One Yarloop resident recounted to the Special Inquiry:

> *So we went along and got in our cars and headed down towards the oval because we didn't know where to go, what road to take out or anything.*[22]

The Preston Beach car park and the Yarloop Oval have not officially been assessed as appropriate 'Places of Bushfire Last Resort'. They were not pre-identified places of last resort, but due to the seriousness of the fire, members of the community took refuge in them as they did not know of a safer alternative.

The Special Inquiry considers there is opportunity to embrace 'Places of Bushfire Last Resort' more formally within high risk areas in Western Australia. Appropriate locations for such places should be identified and assessed, then communicated to the public prior to and during emergencies.

The Special Inquiry discussed the use of 'Places of Bushfire Last Resort' with the CEO of the Shire of Waroona, who agreed that it would be advantageous to have these identified.[23]

The Special Inquiry also discussed this with the FES Commissioner, who agreed that standards could be established for safe places.[24]

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[20] Coast Live, *Residents evacuated off Preston Beach*, 7 January 2016, at http://www.coastlive.com.au/residents-evacuated-off-preston-beach-shore/
[21] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 15
[22] Archer, A., Hearing, 22 March 2016
[23] Curley, I., Hearing 4 April 2016
[24] Gregson. W., Hearing, 6 April 2016

'Places of Bushfire Last Resort' are a feature of other Australian jurisdictions' emergency management policies. New South Wales, Victoria and South Australia have policies which clearly identify, register and communicate 'Places of Bushfire Last Resort'.

Identification of 'Places of Bushfire Last Resort' in Western Australia

The Special Inquiry considers that 'Places of Bushfire Last Resort' could be more clearly identified and communicated in WA. This may prevent community members taking shelter in places which have not been identified as be safe. As the name suggests, these are to be places of last resort during an emergency and should not replace early evacuation.

The Special Inquiry recommends that DFES work with the Department of Planning and local governments to adopt a policy which enables local governments to identify, register and communicate 'Places of Bushfire Last Resort' in settlements and townsites where the life risk from bushfire is very high or greater.

Recommendation 12: The Department of Fire and Emergency Services to work with the Department of Planning and Local Governments to adopt a policy which enables Local Governments to identify, register and communicate, 'Places of Bushfire Last Resort' in settlements and townsites where the life risk from bushfire is very high or greater.

Bushfire refuges

It appears to the Special Inquiry that that there were no pre-identified community bushfire refuges.

While leaving early is always the safest option, the Special Inquiry recognises that not everyone will leave when there is a recommended evacuation. Many people will opt to stay and defend their property. This means that there may be members of the community who will remain in place until the very last minute. If their attempts to stay and defend are unsuccessful, they then have to seek temporary refuge from the fire until they can safely travel to an evacuation centre.

It is noted within SEMP 4.7 that there are various forms of 'shelter'. A shelter is defined as 'a dynamic social process providing for the temporary respite of evacuees, including immediate sheltering, temporary sheltering and temporary housing".[25]

A temporary refuge can be in the form of sheltering on their property, or at a refuge within the community. The places used by people as shelter in a bushfire therefore need to be built and maintained to an appropriate standard.

It was recognised by the 2009 Victorian Bushfires Royal Commission that a well designed and constructed shelter on a person's property (sometimes referred to as a bushfire bunker) may provide a temporary place of refuge during a fire.[26] However, the use of such facilities must be undertaken with caution and be fully incorporated into a person's bushfire survival plan.

[25] SEMC, SEMP 4.7 – *Community Evacuation*, 2014, p. 2

[26] Royal Commission into Victoria's Bushfires, McLeod, R. N., Pascoe, S. M., & Teague, B. G., 2010. *Interim Report*. Melbourne, Government Printer for the State of Victoria.

Further, from a planning perspective, a bushfire shelter can be taken into account when considering a development application – for example the presence of a community shelter in a subdivision or a household refuge with a property development application – but the presence of a shelter should not be used as justification for development in a high flame zone area. If development in a locality is not allowed generally because the bushfire risk is too high, development should not simply be approved because of the presence of a bushfire shelter.

The Special Inquiry considers that work should be undertaken to provide guidance to landowners on the adoption of bushfire shelter options. The Special Inquiry notes that the Victorian CFA and the NSW Rural Fire Service, in conjunction with the relevant government departments for building and planning in each jurisdiction, have undertaken similar work.[27] [28]

Opportunity 10: The Department of Fire of Emergency Services to lead, in collaboration with the Department of Planning and the Building Commission, the development of a policy and guidance to landholders on a range of bushfire shelter options, including household bushfire refuges and community bushfire refuges.

Building Protection Zones

To support household bushfire refuges being a viable shelter option, the Special Inquiry considers that the ability for landholders to establish Building Protection Zones around houses needs to be considered. The physical removal of vegetation from within a defined area around a house or other infrastructure makes it a more suitable place to shelter, and is one of the simplest bushfire prevention strategies.

The examples of Yarloop Primary School, the West Australian Rifle Association and the Log Fence Pony Club support this point. These facilities survived the Waroona fire with limited damage. The management and removal of vegetation in and around infrastructure likely aided the survival of the buildings on these sites.

Identifying a method to deal with vegetation around homes and critical infrastructure was identified in the 2011 Perth Hills Bushfire Report:

> *Local Government institute a comprehensive program to assess fuel loads and bushfire preparedness on private properties. The program should give reference to the creation and maintenance of a Building Protection Zone, in line with FES Guidelines.*[29]

The current requirements for land clearing are contained in the *Environmental Protection Act 1986* (EP Act). The EP Act recognises the need to clear vegetation for fire protection and prevention purposes through exemptions outlined in Schedule 6 to the EP Act.

[27] Country Fire Authority Victoria, *Private Bushfire Shelters or Bunkers,* at http://www.cfa.vic.gov.au/plan-prepare/private-bushfire-shelters-or-bunkers/

[28] New South Wales Rural Fire Service, *Fast Fact: Private Bush Fire Shelters*, at http://www.rfs.nsw.gov.au/__data/assets/pdf_file/0017/4607/Fast-Fact-Private-Bush-Fire-Shelters.pdf

[29] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review*, 2011

An example of an exemption is a section 33 notice issued by local government under the *Bush Fires Act 1954.* In most cases, such notices require landowners to clear perimeter firebreaks and the area within 20 metre of a building. Guidance for the establishment of fire breaks is also provided by the *Guidelines for Planning in Bushfire Prone Areas* issued by the Department of Planning. These guidelines recommend the creation of a minimum 20 metre asset protection zone and an 80 metre hazard separation zone surrounding a house. Also relevant is the Department for Environmental Regulation *Fact Sheet on Bushfire Protection Zones* which recommends the establishment of a 20 metre BPZ.

It is apparent that land clearing around assets is an ongoing problem. The Special Inquiry received evidence that regulatory process for a landowner to clear land for bushfire protection is burdensome. The reason being is that no uniform approach for land clearing exists across all local governments. Without a permit, and without falling into any of the exemptions listed under Schedule 6 to the EP Act, a landholder is not able to conduct land clearing.

The Special Inquiry considers that an 'as of right' policy to clear vegetation around dwellings within a designated bushfire prone area for all landholders needs to be considered. The WA State Map of Bushfire Prone Areas could form the basis of the 'as of right' designated areas.

In Victoria a 10/30 rule for clearing without a permit was introduced in 2009. This rule allows a landholder to clear any vegetation including trees within 10 metres of a house and any vegetation except trees within 30 metres of a house for bushfire protection.[30] This rule exists as a right for landholders. A similar rule could be considered in Western Australia in accordance with current State policies.

It is understood by the Special Inquiry that the draft consolidated *Fire and Emergency Services Bill* proposes to give the FES Commissioner power to issue 'guidelines' concerning the ability to clear vegetation surrounding a dwelling over and above existing land clearing entitlements. The intent of this section appears to be well supported by other departments.[31]

Opportunity 11: The Departments of Fire and Emergency Services, Planning and Environment Regulation to consider policy options with respect to the clearing of vegetation by landholders within a specified distance of an asset or dwelling, for the purposes of bushfire protection.

[30] Department of Environment and Primary Industries Victoria, *Preparing for Bushfire: 10/30 Rule, 10/50 Rule and fence line clearing*, at http://www.depi.vic.gov.au/__data/assets/pdf_file/0016/221308/1030-Rule,-1050-Rule-and-fence-line-clearing-factsheet-Frequently-Asked-Questions-.pdf

[31] Letter from Director General, Department of Planning to the Special Inquiry dated 13 April 2016; Letter from Director General, Department of Environment Regulation, to the Special Inquiry dated 18 April 2016

Chapter Twelve – Traffic Management

> *He said, "I can arrest you if you go through a police road block." I said, "You can do what you bloody like but I'm going home.*[1]

During the course of the Special Inquiry the single most common complaint was around the operation of Vehicle Control Points (VCPs). People already traumatised by the damage the fire had caused, were obstructed from returning to their homes to start to deal with stock and property losses. Others were thwarted from carrying out their livelihood.

> *Farmers that have all the local knowledge and equipment to assist were stopped at road blocks.*[2]

> *There was no flexibility at the road block.*[3]

> *This road block was so far north of the fire that it cut off a large part of the Murray Shire that was not even under a bushfire 'advice' level warning. This is not only ridiculous it then turns law abiding citizens into people trying to find ways around the law.*[4]

> *The road block seem to have no discretion about who they let through, there were fuel and water tankers trying to reach the airfield to supply the water bombing aircraft stopped for hours.*[5]

A core issue for traffic management during emergency situations is recognising the tension that exists between the need for people to return to, and access their property, whilst also assessing and managing the risks to the safety of the community and essential services workers. Balancing these competing demands is not easy.

> *I understand, you know, that they've got to keep the rubberneckers out. I understand that. But if someone is coming in with a fire-fighting unit on the back or they're coming in with a stock truck – they're not going in to be rubberneckers, they're going in there to – they've got a job.*[6]

The Special Inquirer is fully cognisant of the difficulties in traffic management in bushfires; in particular, the challenge of assessing when it is safe for residents to return. The role of police and others who attend these VCPs is also recognised as being a difficult one. It is noted that in previous incidents across Australia, including Western Australia, there has been loss of life arising from decisions to allow residents and others access to a fire area too soon.

Notwithstanding it would seem that the management of a number of the VCPs established for the Waroona fire failed the public interest test. From the evidence available (see the quotes above), traffic management during the Waroona fire invoked the anger and amazement of

[1] Ierace, L., Hearing, 10 March 2016
[2] Submission of member of the public 60
[3] Submission of WA Pork Producers Association
[4] Submission of member of the public 60
[5] Submission of member of the public 60
[6] Kaw, A., Hearing, 22 March 2016

many people that spoke to the Special Inquiry. An IC surmised, more delicately, during a hearing with the Special Inquiry that:

> *The current system of managing road access in and around bushfires isn't working satisfactorily.*[7]

Even though a policy for traffic management during emergencies is in place in Western Australia, based on the feedback to the Special Inquiry, the policy clearly does not adequately balance the need to return to one's property with safety. This is compounded when the policy is poorly implemented.

Current Legislative and Policy Framework

There are several documents which guide traffic management during an emergency in Western Australia. These are:

- *Bush Fires Act 1954;*
- *Emergency Management Act 2005;*
- State Emergency Management Policy (SEMP) - 4.1 and 4.8;
- SEMC 'Traffic Management during Emergencies Guide'; and
- Community Evacuation in Emergency Guide 2014.

The legislative basis for traffic management during a bushfire comes from section 14B(2) of the *Bush Fires Act 1954.* This provides that when a section 13 authorisation is in place for a bushfire under that Act, an authorised person or a member of WA Police may do all or any of the following:

- direct, or by direction prohibit, the movement of persons, animals and vehicles within, into, out of or around the affected area or any part of the affected area;
- direct the evacuation and removal of persons or animals from the affected area or any part of the affected area; or
- close any road, access route or area of water in or leading to the affected area.

Section 67 of the *Emergency Management Act* 2005 provides similar powers in an emergency situation or state of emergency.

The application of these legislative provisions at the operational level is supported by State level policy.

The operational management of emergency incidents is detailed in SEMP 4.1 '*Incident Management'*. During any emergency, the responsible agency for the hazard – in the case of bushfire, DFES – will appoint an IC. The IC has full operational control of the incident and has a number of powers under legislation, including the power to close roads. All incident response actions, including the traffic management strategy, must be approved by the IC.

The policy underpinning any traffic management strategy implemented by an IC during an emergency is detailed in SEMP 4.8 '*Traffic Management During Emergencies'.* SEMP 4.8 provides the minimum considerations for agencies when conducting emergency related traffic

[7] Mair. G., Hearing, 18 March 2016

management activities. These include planning, implementation and welfare considerations, as well as considerations for deciding to return control of the road to the asset owner (being Main Roads WA or the local government, in most cases).

SEMP 4.8 is supported by the '*Traffic Management during Emergencies Guide'* (Traffic Management Guide). The Traffic Management Guide is intended for use by emergency management agencies, Main Roads WA staff, local government staff and traffic management contractors. It provides that traffic management at emergency situations should be directed towards the achievement of the following objectives:

1. Ensure the safety of road users and emergency responders by:
    a. Establishing and maintaining vehicle control
    b. Restricting access to the area through the use of road closures
    c. Establishing controlled transit of the incident site

2. To provide unrestricted road egress for casualty or community evacuations.

3. To provide unrestricted road access for emergency responders.

4. To establish detours to by-pass the incident area.

5. To promote driver behaviour to avoid the incident area.[8]

Traffic management during the Waroona fire

During a bushfire a Traffic Management Plan (TMP) is developed by the IMT and approved by the IC. The TMP documents traffic objectives including road closures, VCPs, evacuation routes, detours and traffic signals. Government agencies including WA Police, Main Roads WA and local government contractors may be requested to assist in implementing a TMP.

There were a number of road closures in place during the Waroona fire. These increased in number as the fire grew in size. The first key access road authorised to be closed was Nanga Road, Dwellingup at 1330 hours 6 January 2016.[9] The fire then impacted on major roads, including the South Western Highway and the Forrest Highway, causing sections of them to be closed. The Special Inquiry understands 181 roads in total were affected by the Waroona fire.[10]

The Special Inquiry recognises that there are numerous risks to road users which may necessitate the closure of roads during a bushfire. These include:

- flames, embers and smoke across the road;
- falling trees;
- debris (including burning debris) on the road pavement;
- the presence and movement of firefighters, fire and emergency vehicles, plant and machinery and other emergency services personnel;
- damaged road infrastructure (such as bridges, signage);

[8] SEMC, *Traffic management during emergencies guide*, October 2015, p. 7
[9] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016, p. 10
[10] Submission of Main Roads WA

- the presence of live fallen power lines and other live electrical assets; and
- wandering stock.

WA Police may assess the need to close a road for security reasons, such as to provide protection from looting, or to protect the integrity of a crime scene or a scene for a Coroner's investigation.

The Special Inquiry is cognisant of the 2007 Boorabbin fire in which three truck drivers died following a decision to allow transport vehicles through a partial road closure on the Great Eastern Highway.

There is little doubt that the Boorabbin event and the subsequent criticism stemming from it, weighs heavily on the minds of WA Police, Main Roads WA, DFES and P&W staff. The Special Inquiry considers that there may now be an overly risk averse approach when dealing with traffic management at bushfires, underpinning many of the issues detailed below.

Notwithstanding the circumstances which necessitate traffic restrictions during a bushfire, and the impact of the 2007 Boorabbin fire, the Special Inquiry received far too many reports of poor implementation of traffic management policy. This warrants consideration of the issues brought to the Special Inquiry's attention in detail. Specifically, these are:

- the rigid enforcement of VCPs;
- the imposition of inappropriate detours; and
- the management of Restricted Access Permits.

Vehicle Control Points

VCPs are a full or partial road closure through which all vehicle access is controlled. VCPs are established following a risk assessment for all or some of the following reasons:

- to prevent road access to the incident area for the prime purpose of safety;
- to provide controlled access/egress for emergency responders, casualties or evacuees;
- to provide controlled transit of a road past an incident; and
- to monitor a system of restricted access.[11]

The SEMC Traffic Management Guide provides that:

- all VCPs are to be permanently staffed;
- vehicles or persons (or classes of vehicles or persons) explicitly authorised by the IC may proceed after validation by the traffic controller manning the VCP;
- persons requesting access permission who are not specifically authorised by the IC are held at the VCP pending permission/exclusion to enter the incident area.[12]

During the Waroona fire, WA Police developed a number of 'Interim TMPs' on behalf of, and for the endorsement of the IC. These focussed on police resources and instructions for "refusing/allowing access at police managed VCPs".[13]

[11] SEMC, *Traffic management during emergencies guide*, October 2015, p. 10.
[12] Ibid., p. 5
[13] Submission of WA Police

The Special Inquiry has identified a number of issues with the implementation of VCPs during the Waroona fire. The term– 'vehicle control point' – is indicative of an approach focused on the control of vehicles rather than their management.

Rigid Enforcement of VCPs

The Special Inquiry received evidence of instances where a strict adherence to protocol and a lack of discretion resulted in persons with a legitimate need to pass through a VCP being unable to do so. These people included:

- volunteer firefighters attempting to join their Brigades;[14]
- local residents who left their properties to attend a community meeting, but after the community meeting were challenged when trying to pass the VCP;[15]
- Bush Fire brigade captains who were prevented from obtaining fuel required to sustain their firefighting vehicles;
- those seeking to tend to stock, including veterinarians needing to euthanize animals;[16]
- industries seeking to transport goods, such as milk in a time critical manner;[17] and
- a mother who was prevented from passing the VCP in order to evacuate children who were home alone.

In addition an IC expressed his frustration in a hearing with the Special Inquiry about the way in which WA Police managed VCPs.[18]

Notwithstanding the need to carefully weigh up risks when enabling re-entry into a fire area, it would appear that a range of people and resources – including resources that could have been effectively used during the fire and in the immediate aftermath and recovery phase – were denied access or were unnecessarily slowed and impeded when the risk of re-entry was either negligible or not evident.

Community

The enforcement of VCPs (colloquially referred to as 'road blocks') was the subject of much commentary:

> *We have some very traumatic altercation with non-sensible police that seemed very rigid and arrogant in their handling of what we were doing.*[19]

> *The road blocks made no allowance for the fact that farmers had livestock which needed to be taken care of, let along the 'people welfare' aspect for farmers in the area. There doesn't seem to have been any consideration given to the needs of livestock and farmers during this period.*[20]

[14] Submission of member of the public 5
[15] Mair. G., Hearing, 18 March 2016
[16] Submission of the Livestock and Rural Transport Association of WA
[17] Ibid.
[18] Mair. G., Hearing, 18 March 2016
[19] Submission of member of the public 108
[20] Submission of member of the public 152

During the whole of this process that they set up there, their tent city in Waroona on the oval and no expense was spared in feeding these people and I think that's really good. I've got no problem with that. But the roadblock prevented the local supermarket from being resupplied, prevented the other shops from being resupplied. And when we did get to town we got two litres of UHD milk, no bread. I can't make sandwiches. And, you know, what's going on? Why are these people able to organise all of the copious quantities of food to come into the town but we can't feed the town? There's a problem here.[21]

The Special Inquiry heard accounts of residents accessing back roads where the risks – such as fallen power lines – were unknown. This may be as a result of the rigid enforcement of traffic management. For example:

One of my neighbours, an 80 year old women, was prevented from using the road and was forced to drive cross country over rough paddocks and ditches in order to be able to get to and from her own property.[22]

Another source of frustration was the intransigence of officers at road blocks where common sense was not applied. For example milk tankers were denied access to a property less than 1km from the road block, forcing the driver to take back roads to gain access whilst the fire was still 30km away.[23]

Another submission to the Special Inquiry stated:

I was not on my farm when the fire was first reported and was then denied access… It also appears during this time granting of access to properties was haphazard and inconsistent. A neighbour was granted access on the basis of needing to feed livestock I was refused access on this basis. On Sunday 10th January I entered against advice using less known access routes. Despite no power… I didn't leave my property for a further several days in case I was prevented from returning by poorly informed police officers.[24]

In addition to people using back roads as a measure of last resort to access their property, the Special Inquiry has heard accounts of persons being threatened with arrest should they contravene the VCP:

I've tooted the horn on the ute, because I had a heap of jerrycans on the back, and he looked – the cop looked. I said, "Just going into town to get some fuel, if I can I will come back." Never said who, nay or nothing.

15 minutes later I come back, "Where do you think you going?"

I said, "I just told you I was coming out to bloody get some fuel." Said, "No, you can't go through there." I said, "Well, how am I going to get home?" I said, "I've got my wife, I've got my two girls there. How am I going to get home?" Said, "You can't go

[21] Submission of member of the public 70
[22] Submission of member of the public 152
[23] Submission of Livestock and Rural Transport Association of WA
[24] Submission of member of the public 75

through, this is a road block." I replied, "I will go through the paddock, I will go through the bush, I'm going home.

He said, "I can arrest you if you go through a police road block." I said, "You can do what you bloody like but I'm going home.[25]

In another circumstance, the driver of a truck from Geraldton that arrived to help evacuate 7,000 cattle was arrested after attempting to go through a VCP. The driver was subsequently released with the assistance of a CBFCO.[26]

The Special Inquiry has been asked on a number of occasions, in many different ways: *Why are we forced to break the law to save our property or help out our neighbours? It is wrong that people should be made to feel criminals and risk arrest, all for wanting to access their properties, defend their homes or tend to their farms*. In order for people to effectively stay to defend their property, or to ensure their livelihood survives post-fire, they need to be able to access their property in a timely manner.

The Special Inquiry believes that application of VCPs needs to be flexible, and enforcement needs to be comparative to the risk present at any given time. There needs to be a tiered system which recognises level of need and considers granting access accordingly.

Firefighting personnel

In addition to comments from members of public regarding VCPs, the Special Inquiry heard anecdotal evidence at a meeting with Cookernup and Yarloop Bush Fire Brigades that Bush Fire Brigade members were, on a number of occasions, refused passage through VCPs when travelling in private vehicles to effect a change-over of crews on their Brigade tankers. This was despite the Brigade members explaining they were on their way to the fire station to report to duty. In some instances, they were in their Bush Fire Brigade uniform or protective clothing.

Some personnel were able to pass the VCPs by presenting their DFES identification card which had expired as they are no longer issued.

The Special Inquiry was informed that the Harvey CBCO had attempted to order windscreen identification stickers for his Brigade members from the local government prior to the onset of the 2015/16 bushfire season. However, he was told that the printing company was waiting for more requests in order to meet minimum print run requirements.

The Special Inquiry understands that since the Waroona fire DFES has issued Standard Administrative Procedure 3.3.C 'Vehicle Identifiers'. This document provides for the issuing of vehicle identifier stickers to some classes of firefighting vehicle. These stickers can be affixed to the windscreen of a vehicle for the purpose of identifying it as a private vehicle owned by a person who is authorised by local government to assist with incident management operations.[27]

[25] Ierace, L,, Hearing 10 March 2016
[26] Submission of member of public 5
[27] DFES, SAP 3.3.C – *Vehicle Identifiers*, February 2016, p. 1

There is a need for a system which allows for the recognition of personnel and their vehicles needing to pass through VCPs with ease. This is particularly important to ensure resources, in the form of personnel and equipment, that can be utilised in incident management are not unduly held up or restricted from reaching their destination.

The Special Inquiry believes that this should be in the form of a DFES issued identification card.

Recommendation 13: The Department of Fire and Emergency Services to issue a photo identification card to DFES members, members of Bush Fire Brigades, volunteer emergency services, Incident Management Teams, forestry industry brigade members and Networked Government Emergency Agency members. DFES also to consider temporary windscreen signage to identify vehicles carrying such personnel.

Agriculture industry

Significant issues were experienced by those seeking to tend to stock or transport agricultural produce.

Examples of this were reported to the Special Inquiry:

> *One day trucks carrying pellets could enter, but trucks carrying hay couldn't, despite trucks carrying hay being allowed to enter the day before. There was no change in condition during that time.*[28]

A member of the WA Farmers Federation recounted for the Special Inquiry:

> *I spent all of Friday trying to get permission for two trucks to go into a feed lot. Now, there's 6,000 cattle in this feed lot. They normally get feed or feed deliveries once or twice a day.*
>
> *On the Friday night we eventually – the fellow I had been dealing with from the feed lot rang me and said, "Have you heard anything more" and I said, "No I haven't." Luckily enough, he rang me back and he just said, "Right, we're going in through the back ways then, if that's the case."*
>
> *10 minutes later he rang me back and he said, "The good news is we've actually got permission to go through." Now, this had taken us all day because we had started very early – well, we had actually started the day before but I had only been involved from that morning.*
>
> *We – so he got through two trucks on – at 6 o'clock on that evening. Well, no, it might have been a little bit later than that. But he said to them, "Right, we will be back at 6 o'clock tomorrow morning to come through with another two loads." They arrived at 6 o'clock the next morning and weren't allowed to go through.*[29]

[28] Submission of Livestock and Rural Transport Association of WA
[29] Park, D., Hearing, 17 March 2016

The dairy industry in particular was also impacted. Milk was unable to be transported from farms to suppliers and in some cases cows had to be milked by hand as generators were not able to be transported through VCPs:

> *WITNESS: ... [M]y son, didn't go [when the others evacuated] – didn't have any sleep for 72 hours. He never went – he milked the cows twice a day with a worker, never had any sleep.*
>
> *SPECIAL INQUIRER: And when you say "milked the cows" what happened to the milk? It wasn't collected.*
>
> *WITNESS: Well, we threw out two days – but we have been paid for it… [T]he processor has paid for it. We had to chuck out two days milk – 14,000 litres of milk got poured down the drain.*
>
> *We had no power. We actually didn't milk the cows one day, which is a disaster – we had no power – and the ridiculous part of it was there's a friend of mine who is an electrician. He is a semi-retired electrician. We've got a big generator. The police wouldn't let him through to come out and hook our generator up and we're only a kilometre from town.*[30]

Location of Vehicle Control Points and inappropriate detours

In addition to commentary on the operation of VCPs, the Special Inquiry heard that the location of the VCPs and the detours that put in place were not ideal.

> *The stupid placement of road blocks caused huge problems. This lack of common sense caused people to break the law, swimming across rivers, crossing private lands.*[31]
>
> *The road block at the roundabout on SW highway South of Pinjarra in the recent fire. This block could have been located one or two kilometres north of Waroona to allow access for local farmers and the Placid Ark house. The fire was always to the south of Waroona and was being driven by an easterly wind. In the event of change conditions the block could be shifted.*[32]

The Special Inquiry heard of instances where inappropriate detours were put in place. Vehicles, including trucks were diverted down unknown roads and several accidents are reported to have occurred.[33]

[30] Pitter, V., Hearing, 10 March 2016
[31] Submission of member of public 149
[32] Submission of member of public 25
[33] Submission of Transafe WA

Compounding this problem, it was reported to the Special Inquiry that truck drivers were directed onto roads that were not part of the heavy vehicle network. Routing trucks on non-approved routes is dangerous as it can lead to structural collapse or road pavement damage.[34] In evidence presented to the Special Inquiry it was reported that trucks directed down non-approved routes were apprehended by Main Roads WA inspectors.[35]

Transportation of workers to the Wagerup refinery

The Special Inquiry was concerned by visual evidence it received showing a bus carrying Alcoa workers passing through the fire area to the Wagerup Refinery. The footage appears to show flames coming within metres of the bus.

The Special Inquiry understands that the background to this occurrence was due to the need for a shift change at the refinery.

The IMT was informed by an Alcoa representative of the risks posed by fire getting into the Wagerup refinery and the risks that were faced if the refinery had to shut down for any reason; "it wasn't an option" to completely close the refinery.[36]

Alcoa's submission to the Special Inquiry stated:

> *Wagerup refinery's production was significantly reduced during the fire (the nature of the process means the refinery cannot simply be 'turned off') and only essential personal required to ensure minimum safe operating conditions were deployed to the refinery.*[37]

The Special Inquiry notes that Operations Officer B suggested to the Alcoa representative that the staff already at the refinery do a double shift to eliminate the need to transport them at a risky point in time. However, the staff at the refinery had already completed a double shift.[38] The Operations Officer stated:

> *[I]it was a real – was very real issue…. [I]t became apparent that not doing a shift change wasn't an option. So I had to facilitate the Alcoa guys getting in and out of the refinery. And that was when, you know, Yarloop was under threat and it – you know, the whole fire, basically, exploded.*[39]

As a result a shift change was organised on the morning of 8 January 2016. The refinery remained protected by DFES personnel trained in the protection of critical infrastructure.

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[34] Main Roads WA, Heavy Vehicle Operations: *Standard Restricted Access Vehicle Route Assessment Guidelines*, July 2014, https://www.mainroads.wa.gov.au/Documents/Standard%20Restricted%20Access%20Vehicle%20(RAV)%20Route%20Assessment%20Guidelines.RCN-D14%5E23493459.PDF

[35] Submission of Livestock and Rural Transport Association of WA

[36] Chick, J., Hearing, 1 April 2016

[37] Submission of Alcoa

[38] Chick, J., Hearing, 1 April 2016

[39] Ibid.

The Special Inquiry understands that the Alcoa workers were transported to the Wagerup refinery by bus, with protection from Fire and Emergency Service personnel. A spokesperson for Alcoa publicly stated:

> *All transportation of employees to and from the refinery on Thursday (January 7) and Friday (January 8) was undertaken only after permission was granted by the authorities, and buses taking workers in and out were escorted by Department of Fire and Emergency personnel.*[40]

Concerns have been raised about the appropriateness of workers being transported through the fireground. The Special Inquiry understands that WorkSafe has commenced an investigation into the matter. Consequently, the Special Inquiry does not intend to comment on the appropriateness of the transportation of staff to the Wagerup refinery; WorkSafe is best placed to consider and report on the occupational health and safety implications of the event.

Previous recommendations regarding traffic management

Previous reports on bushfires have considered traffic management issues and have made recommendations which recognise the need to balance the need for people to access their property whilst also upholding community safety standards.

The 2011 Perth Hills Bushfire Report recognised that Victoria, subsequent to the 2009 Victorian Bushfires Royal Commission, developed a Traffic Management System to manage entry to fire grounds; this system included the issue of a return permit. Recommendation 32 of the Perth Hills Bushfire Report stated:

> *The Western Australian Police and the Fire and Emergency Services Authority jointly examine the Traffic Management System developed as a result of the Victorian Bushfires Royal Commission and seek its adaptation to use in Western Australia with additional attention to the access and egress by bona fide residents to areas that are evacuated.*[41]

The Special Inquiry understands that following the 2011 Perth Hills Bushfire Report, a Traffic Management Working Group was established to examine and report on this recommendation. The final report to the SEMC that examined the Traffic Management System utilised in Victoria was considered at the SEMC meeting of 13 March 2012. The report recommended that Western Australia should not adopt the Victorian Traffic Management model as it was considered cumbersome.

The Special Inquiry understands that SEMP 4.8 – Traffic Management During Emergencies has not been updated since the Keelty Perth Hills Report, but the Traffic Management Guide During Emergencies is a post-Keelty document.

[40] Campbell, C., *AMWU claims Alcoa endangered its workers' lives by bussing them through Waroona bushfire zone*, 15 January 2016, PerthNow, http://www.perthnow.com.au/news/western-australia/amwu-claims-alcoa-endangered-its-workers-lives-by-bussing-them-through-waroona-bushfire-zone/newsstory/299b2735afead289b47cd95033cb2fc1

[41] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review*, 2011, p. 121

Restricted Access Permits during the Waroona fire

The Parkerville Bushfire Review recommended that a Restricted Access Permit (RAP) system for the entry/re-entry of residents, be developed. In response DFES developed the 'Restricted Access Permit System'. Both the Parkerville recommendation and DFES RAP system emerged out of recognition that once an immediate threat has passed it may be appropriate for property owners to return to their properties:

- for a short duration to collect valuables and pets;
- to return to their properties during day light hours; or
- to return to properties until the permit is revoked, this point is particularly relevant to rural holdings where livestock may require food, water or tending to.

RAP was utilised to some extent during the Waroona bushfire. However, evidence presented to the Special Inquiry demonstrated that the RAP was not effectively implemented.

In some cases people were left waiting hours to receive a permit.[42] Others waited all day. The Special Inquiry heard anecdotes such as the following:

> *I spent all of Friday trying to get permission for two trucks to go into a feed lot.*[43]

A Waroona resident explained the inefficiencies of the permit system he witnessed while waiting to obtain a RAP:

> *The thing with the passes – when we went in there, you've got a young lady there. She has got a clipboard, pen and paper taking details from people and to me, in this age of technology, I thought it was pretty poor because the majority of people have got smartphones.*
>
> *You could have had a whiteboard there and state, "This is the information we need. We need your driver's licence information and your addresses – whatever". "Okay". You could have paper there, fill out your sheet – your details on the sheet – hand it in and you've got all the details. Or take a photo of your driver's licence – whatever, you know.*
>
> *You would have thought, possibly, if you want this information there could have been a laptop, you know, the girl could have had a laptop, put the information straight into a laptop and then you've got it on permanent record, not handwritten notes. So – and of course you can imagine how long it takes if you're coming – you're in a queue of people and this girl has to repeat the questions to every individual as it goes on and on and on, so it becomes very, very frustrating.*[44]

[42] Submission of member of public 70
[43] Park, D., Hearing, 17 March 2016
[44] Lalor, G., Hearing, 22 March 2016

It is clear that attempts to implement a permit solution in the Waroona fire failed. There is need for a more streamlined process for issuing permits to avoid any duplication of work.

The need for an improved permit system was recognised by Incident Controller C:

> *I think we do need some form of identification and permit system; the sooner, the better. We do need to deal with community needs and we do need to deal with business continuity. It's not satisfactory to say to someone who has got 800 head in a feed lot, for example, "No, you can't come in" – just blanket "no" because that's the easy way of dealing with it, apparently. You know, if it's safe for them to go in and we can facilitate them, that's what we should be doing…*[45]

If permits are to be used, they need to be used in a coherent manner and issued efficiently.

Other recommendations within the Rural Fire Capability chapter of this report deal with systems for registering private firefighting resources and enabling fireground access which will complement a permit system.

The need to fix the traffic management policy

Traffic management during an emergency is about risk management. It is not about restricting access completely. It is about effectively managing who, where and when people are allowed to enter and the circumstances in which they are allowed to enter.

The examples cited in this chapter are amongst many examples of inflexible and impractical traffic management presented to the Special Inquiry.

The current policy requires urgent review involving a wider representation of stakeholders. There is great merit, consistent with the theme of continuous improvement, in conducting annual reviews so that the policy can reflect recent experience and maintain its currency.

Along with a review of traffic management during emergencies, the Special Inquiry believes that consideration should also be given to increasing the training of WA Police, Main Roads WA and local government staff and contractors in traffic management planning within the IMT.

Finding: The application of the traffic management policy at some locations during the Waroona fire did not meet the expectations of the community. On this basis, the policy is inadequate and its application requires review.

[45] Mair, G., Hearing, 18 March 2016

Recommendation 14: The State Emergency Management Committee to review the policy for traffic management at emergency incidents so it reflects national 'best practice'. This includes the production and issuing of an aide-memoire to guide traffic management, emergency and incident management personnel.

The policy should provide a practical balance between risk to life and the public value of enabling the timely restoration of livelihoods and the movement of critical resources, (including essential services, critical businesses and livestock welfare services), through traffic management points.

The review will involve a range of stakeholders including the Departments of Fire and Emergency Services, Parks and Wildlife, Agriculture and Food WA, WA Police, Main Roads WA, WA Farmers Federation, WA Local Government Association, Forest Industries Federation, and the Transport Industry and ensure that the views of the community are considered.

Chapter Thirteen – Essential Services

> *The first priority for Incident Action Planning (IAP) will address the protection of community members and keeping them informed. The protection of property, critical infrastructure and community assets will be the next priority. Protection of conservation and environmental values are to be factored into IAPs as the subsequent priority.*[1]

During the Waroona fire critical infrastructure was impacted leading to incidences where the both emergency services and communities lost access to essential services including power, transport, water and communications.

Water Infrastructure

Yarloop Town Water Supply

Yarloop is supplied with potable drinking water by the Water Corporation, from the Southern Seawater Desalination Plant and the Stirling Dam. The water is pumped from the dams through the Stirling Trunk Main pipeline to a 225,000L ground tank.

The water is then moved from the ground tank, re-chlorinated and pumped to two 225,000L service tanks. These service tanks provide water to Yarloop and Wagerup.

Under normal operating conditions the two service tanks that supply Yarloop with potable water have sufficient storage to supply the town for 20 hours without replenishment.

Extreme water demand on a local Town Water Supply during a major bushfire event can result in up to four times normal daily consumption due to:

- Residential customers using multiple taps within a single property at the maximum rate for several hours and /or evacuating their properties with the water services continuing to operate.
- Water services (operating infrastructure; connections and exposed pipework) damaged as a consequence of the fire, causing water to run free at full capacity.
- Multiple fire hydrant connection points used simultaneously at maximum capacity.

From late 6 January 2016[2] the vulnerability of water supplies to the impacted areas were a concern for the IMT, Regional Operations Centre and the State Operations Centre. The IMT noted at 2330 hours that there was a need to protect the Hamel water pumping station.

At 0726 hours on 7 January 2016, power and telemetry[3] communications to the Yarloop Water Complex, were lost as a result of electrical infrastructure being impacted by the fire. This occurrence is not unexpected in a bushfire.

[1] SEMC, Westplan – Fire, 2013
[2] DFES and P&W, Joint Agency Operational Audit, 11 March 2016 p. 44
[3] Telemetry is an automated communications process which is used to transmit data in real time to server based databases and applications with interfaces allowing monitoring and control.

Once power was lost water could not be pumped from Yarloop's ground tank to the service tanks. At this time it was estimated by the Water Corporation that the service tanks would be empty within four to five hours.

In the period until the water tanks were depleted, all customers serviced by the water complex would experience a reduction in water pressure as water demand increase beyond the Town Water Supply capacity.

At 1030 hours on 7 January 2016 during the Incident Support Group (ISG) meeting the Water Corporation discussed the impact of the power loss on water supply to Yarloop and requested access to install power generators.[4]

At 1144 hours on 7 January 2016 the first report of low water pressure in Yarloop was noted by the IMT Planning Officer.[5]

At 1300 hours on 7 January 2016 the ISG informed the Water Corporation Liaison Officer that their request to access Yarloop to install power generators had been denied as the situation remained unsafe.

At 1424 hours on 7 January 2016, the first 'no water' contact for Yarloop was received by the Water Corporation's Operation Centre.

The Special Inquiry received submissions from residents of Yarloop which noted that water pressure was lost, and that the shortly after water supply ceased in Yarloop. For example,

> *... I constantly stayed on my property watering because I thought unpredictable and with the weather conditions, etcetera, etcetera, keep watering and watering…. but the water stopped at 4 o'clock, saving half pressure. By 4.30 not one drop of water.* [6]

Restoration of Water services

On 10 January 2016 the Water Corporation entered Yarloop with DFES escort and installed two temporary taps for use near the oval where the remaining residents that were based.

It was not until 20 January 2016 that the Water Corporation was able to enter the Yarloop Water Complex to conduct a full asset inspection and restore power to the Town Water Supply through the installation of generators.

The delay in restoring services can be attributed to a number of factors, including the closure of roads that were impacted by the fire and the occupational health and safety risks posed by the presence of asbestos and risk of falling trees.

On 25 January 2016 the Water Corporation had reinstated the water supply to all properties in Yarloop. The temporary installed taps and tanks on Johnson Road also remained.

[4] Incident Support Group minutes meeting at 1030 hours, 7 January 2016
[5] DFES and P&W, Joint Agency Operational Audit, 11 March 2016 p. 45
[6] Holbrey, L., Hearing, 22 March 2016

Other Considerations

The Special Inquiry considers it important to note that:

- The water supply to the town of Yarloop was not turned off for any reason by the Water Corporation during the Waroona fire. The water supply to Yarloop was lost due to power failure.
- Water was not redirected to another water service priority.
- Water was not redirected to the Wagerup refinery. The Water Corporation does not have any water supply infrastructure linked to the Wagerup refinery.
- Prior to the fire, the Town Water Supply was operating in accordance with all relevant standards.
- Prior to the fire there were no reports received, nor evidence of, any systemic operational or maintenance issues with the Town Water Supply.

FINDING: At around 0726 hours the power to the Water Corporation Yarloop Town Water Supply was lost. This resulted in an inability to pump water to fill two 225,000 litre service tanks that gravity feed the Wagerup and Yarloop Town Water Supplies. This event, associated with the extreme water demand from Wagerup and Yarloop customers on 7 January 2016, resulted in the service tanks running empty and the water supply in Yarloop failing from around 1424 hours.

Fire hydrants

There are 31 standard fire hydrants in Yarloop. As of December 2015 there were no outstanding maintenance work orders for any of the 31 hydrants.

Harvey Water

Harvey Water is an independent water supply utility which provides irrigation water to customers in the Waroona and Harvey Shires. Harvey Water also supplies 717 gravity fed irrigation Supply Points (SP) and has installed 42 Community Supply Points (CSP).

CSP's are used to provide a pressurised and rapid fill water supply in the event of an emergency or for when water is needed when undertaking community infrastructure works.

The use CSP's in Yarloop, Waroona, Cookernup and Wagerup was mixed, with some being used regularly whilst others were used sparingly or not at all. While the Yarloop Bush Fire Brigade was aware of the locations of CSP, it would appear that other fire appliances, especially those from out of area and the IMT were not. [7]

The Special Inquiry understands that since the Waroona fire Harvey Water has undertaken the following measures to improve the use of CSP's during a fire:

- provided updated maps to DFES, local Shires and the local fire brigades;
- plans to provide marker posts next to the road verge near the CSP;
- plans to put in place more CSP on advice from local fire brigades;

[7] Delaney, R., Hearing, 29 March 2016

- fabricated a special fitting for each fire brigade in the area that will enable fire fighters to convert air valves on the pipelines into emergency supply points, and provide training on how to operate the fitting; and
- reviewed its own practices and procedures relating to bushfire preparedness.[8]

It is self-evident that water supply is critical for fire services to operate. Fire services must continually practice drills on the sourcing setting up and use of water points. Where firefighting resources from out of the local area are deployed into a township it should be a priority that an experienced local person, knowledgeable on local water sources, is allocated the task of briefing incoming resources on the location and use of such water points.

Community awareness of the potential loss of water supply during a fire

It is important that persons living in or near bushland ensure they have an independent water supply and pumping capability should they choose to stay and defend their property. This position has been reaffirmed in successive bushfire inquiries, including the Victorian Bushfire Royal Commission and the Keelty "*A Shared Responsibility"* report.

The Special Inquiry received evidence of some property owners being well prepared for bushfires by maintaining their own water supply. A Waroona family provided evidence that:

> *[F]or preparation, we had blocked the gutters and everything – or blocked the downpipes, filled the gutters, so there were no leaves or anything. There was water in the gutters. We've got a certain amount of lawn and fruit trees around the house and so we've got a dam – quite a large dam – just in front of the house and with the genset, we've got 50 millimetre pipe running both sides of the house and that has got a number of outlets, so once we had a genset running and the pump running, we had plenty of water around the house to damp everything down so we thought we were pretty well prepared.*[9]

As a result of their preparedness, this family's property survived.

Another person provided similar evidence:

> *SPECIAL INQUIRER: And you were able to save your house?*
>
> *WITNESS: We saved all our house and all our dwelling with no help from the authorities at all and I mean that with no hesitation I don't know where they all were but they were not there. ... And I dare say we had three high-pressure hoses going. We wetted everything down, including ourselves because the heat was unbearable in some – for about 20 minutes it lasted – and she just went over the top.*
>
> *SPECIAL INQUIRER: And you talked about having three high-pressure hoses. You obviously had your own generator and pumping system.*
>
> *WITNESS: Yes. No, I had three water sources. First, the power went out. I knew that was going to happen so that put out the irrigation – the house system out.*

[8] Submission of Harvey Water
[9] Lalor, A., Hearing, 22 March 2016

WITNESS: But I've got the two fire fighters and I've got an irrigation pumps that I use for irrigation system and I relied on the diesel and the two little Hondas and they served us well.

WITNESS: So the significance there is that you had a plan but you also had some back up. You were able to duplicate yours by - - -

WITNESS: I had a back up for a back up. There's no room for mistake, mate.[10]

The Special Inquiry recognises that maintaining an independent water supply may not be an option for all persons. However, the community needs to be reminded that water supply cannot be guaranteed during an emergency.

This point is already emphasised in all Water Corporation bushfire community materials and is included in DFES material including *'Prepare. Act. Survive'*[11] and the '*The Homeowner's Bushfire Survival Manual*.'[12]

Communication Infrastructure

For the purpose of protecting life and property during bushfires, it is crucial that timely, relevant and tailored alerts and advice are issued to potentially affected communities. Due to the severity of the Waroona fire, a number of warnings and alerts were issued. These rely on a functioning communications network.

Telstra

During the Waroona fire, Telstra worked actively with DFES to support the communications requirements of emergency agencies by: identifying infrastructure at risk; organising Telstra products and services as required; and prioritising restoration activities for emergency service organisations, hospitals and critical infrastructure sites.

Telstra advised the Special Inquiry that during the course of the Waroona fire:

- the Yarloop exchange was undamaged;
- 18 mobile sites lost mains power;
- some optic fibre servicing the mobile sites was damaged;
- 13 long-run generators were deployed to the mobile sites after five sites had mains power restored. In all cases the generators were connected as soon as possible after being allowed access to the sites by emergency services; and
- emergency service restrictions did prevent some access but this was limited to Waroona, Lake Clifton and Yarloop.[13]

[10] Ierace, L., Heaing., 10 March 2016
[11] DFES, *Prepare. Act. Survive,* at http://areyouready.wa.gov.au/documents/14467-PAS-2014-WEB.PDF
[12] DFES, *The Homeowner's Bushfire Survival Manual,* September 2014
[13] Submission of Telstra

Telstra believed its network performed well throughout the Waroona Yarloop fire due to forward planning, and cooperation with emergency services and the engagement of Telstra's back-up systems.

Telstra also confirmed that there were considerable issues with the loss of the Mt William Tower and the adjoining Telstra Tower being completely inaccessible. Two of the three fibre optic cables were also damaged by the fire, leaving mobile services dependant on a third cable only. The mobile phone network had some localised failures, which were mainly attributable to the loss of mains power and battery backup discharging.[14]

Telstra noted in its submission that its mobile network is not immune from damage and cautions its customers that services may be compromised.

Other telecommunications companies

As Telstra is the primary provider of telecommunications in the region affected by the Waroona fire, the Special Inquiry does not discuss in detail the operations of other landline and mobile phone networks during the fire. However it is noted that:

- there were some problems with gaining access to the Optus system status information and an appropriate Optus interagency contact was not established until late into the incident; and
- the National Broadband Network (NBN) reported only minimal service disruption to their clients in the affected area.[15]

Radio and mobile phone communications

Communication plans were identified within the IAPs, with the primary Command Channel 648 utilised during the course of the Waroona fire, supported by tactical Division and Sector Channels. However, these appear not to have been clearly defined until several days into the incident.

The destruction of the main VHF Repeater (Channel 351) at Mt William by the fire, saw mobile and landline phones being used as an alternative communication method by emergency services personnel until radio communications were restored within a 24 hour period. This added a layer of uncertainty to critical communications. [16]

Witnesses informed the Special Inquiry:

> *…The particular issue was we still experienced some communications issues with the – with the network. So we reverted back to phone call communication between myself and the team leaders, the strike team leaders for rural urban interface, liaising with the Waroona chief, as he had a good handle on where the bushfire resources were throughout that course.*[17]

[14] DFES and P&W, Joint Agency Operational Audit, 11 March 2016 p. 45
[15] Ibid
[16] Ibid., p 44
[17] Wegwermer, T., Hearing, 21 April 2016

> *Yes, pretty much, and as – one of the biggest problems we had was the fact that once control was set up at the oval, there seemed to be a complete break in communication and, yes, we, you know, since started to fend for ourselves because we couldn't get to talk to anybody…* [18]

The Special Inquiry understands that the use of the mobile phone network, while providing a means of communication during the outage, restricted the distribution of information and situational awareness across the broader fire ground provided by operational radio network communication and limited any post incident interrogation of information being passed between and across functional areas.

Power Infrastructure

Electricity is supplied by Western Power to the towns of Waroona, Hamel, Yarloop, Cookernup and Preston Beach through an overhead wood pole distribution network.

The Western Power electricity network is designed to automatically detect and isolate faults, which is a key element of maintaining system safety. During bushfire seasons, Western Power makes the system more sensitive to faults. This means that when there is a fault or other interference, power is interrupted faster than usual and that power will remain off instead of being automatically restored. This reduces the likelihood of a fire starting because of the electrical network, it results in more frequent outages that last longer.

Where there is a very high FDR or a TFB, Western Power will not restore power until a repair crew can access the area and visually inspected the power line.

From 0002 hours on 7 January 2016, reports were received by the IMT that the electricity distribution network was being impacted. The Special Inquiry understands that at 0200 hours on 7 January 2016, Western Power personnel were requested to attend the DFES State Operations Centre. By 0327 hours on 7 January 2016, the IMT had noted that power had been lost in Waroona.[19]

The ISG minutes of the meeting held at 1030 hours on 7 January 2016 recorded that Western Power:

> *Would like to get an idea of the fire shape so they can put some isolators in place. Some assets lost already. Preston without power, recon crews started about 1hr ago. Requested a copy from DFES of asset losses and damage assessment when this is over. DFES will work with WP on this.*[20]

At the 1700 hours ISG meeting on 7 January 2016 the minutes the reference to Western Power recorded that:

> *Damage to transmission network, and wider spread outages. 35000 without power 600 in Harvey/Yarloop back up generators getting into town to help with fuel/groceries etc.*[21]

[18] Penny, P. Hearing., 10 March 2016
[19] DFES and P&W, Joint Agency Operational Audit, 11 March 2016 p. 45
[20] Incident Support Group minutes meeting at 1030 hours, 7 January 2016
[21] Incident Support Group minutes meeting at 1030 hours, 7 January 2016

Over the course of the next 24 hours, many reports of power outages were noted by the IMT and ISG; these outages were the result of both fire damaged infrastructure and purposeful isolation of the electricity network in areas in order to provide a safe work environment for firefighters.[22] In the days that followed, multiple outages occurred on transmission and distribution across the area impacted by the Waroona fire.

The electricity outages that resulted from the Waroona fire impacted the communities of Preston Beach, Dwellingup, Coolup, Lake Clifton, Waroona, Pinjarra and some surrounding areas. The restoration times were lengthy due to by the magnitude of repair work required and difficulties in accessing areas where Vehicle Movement Bans were in place. The Special Inquiry understands that, as an interim measure, Western Power provided the towns of Waroona, Preston Beach and Hamel with low and high voltage emergency generators in areas deemed essential for community support.

Western Power informed the Special Inquiry that between 6 January 2016 and 14 January 2016, the following Western Power infrastructure was damaged:

- 993 distribution poles;
- 121 transmission poles;
- 107 transformers; and
- 50 kilometres of overhead conductor over an area totalling almost 70,000 hectares.[23]

The impact of the Waroona fire on the electrical infrastructure of Western Power was significant. Its submission to the Special Inquiry noted that the initial estimated cost of the fire to Western Power was $26 million.[24] The restoration effort involved the deployment of more than 80 Western Power trucks and 300 personnel. Western Power informed the Special Inquiry that power was restored to almost all of the 3,500 affected customers within three weeks of being granted access to the site.

The Special Inquiry understands that not all damaged electrical network assets were replaced like-for-like. Western Power noted in its submission that repairs to the network were to current design standards or, in some cases, to a higher standard. For example, approximately 6.5 kilometres of overhead power lines between Forrest Highway and the outskirts of Preston Beach town site were replaced with underground power. This enhances the reliability of the electrical network for this vulnerable area.[25]

Western Power noted in its submission to the Special Inquiry that, in recognition of the impact of the Waroona fire, the company waived electricity reconnection fees for households affected by the fire. Additionally, efforts were undertaken to distribute a significant amount of fire damaged, but still structurally sound, wood poles and other hardware to farmers for utilisation in fence replacement and repair work.[26]

[22] DFES and P&W, Joint Agency Operational Audit, 11 March 2016 p. 46
[23] Submission of Western Power
[24] Ibid
[25] Ibid
[26] Ibid

The Special Inquiry recognises that the damage to electrical infrastructure was an unprecedented event and has resulted in Western Power incurring a significant expense in order to undertake the required repairs. This extraordinary post-incident cost reinforces the need for a greater focus to be put on bushfire prevention to ensure bushfires, and the consequences of them, do not become a regular occurrence.

Road Infrastructure

The Waroona fire affected 181 roads; of these, three were within the jurisdiction of Main Roads Western Australia (Main Roads). These were the South Western Highway, Forrest Highway and the Old Coast Road. The other public roads are the responsibility of Local Government.

The roles and activities undertaken by Main Roads in an emergency are defined within Westplan – Fire and the SEMP 4.8. Activities undertaken by Main Roads in support of DFES and P &W are at the request and approval of the relevant IC.

Road infrastructure was also lost during the fire; the most serious being the collapse of the South Western Highway's timber bridge over Samson Brook. It is estimated that this occurred sometime between 2200 hours on 6 January 2016 at 0800 hours on 7 January 2016. Further losses included roadside vegetation, guideposts, signs and minor damage to the bitumen seal of road surfaces.

The vulnerability of bridges during fire was recognised by in the 2011 Perth Hills Bushfire Report. Recommendation 30 of the Report states that:

> *Main Roads Western Australia undertake more frequent examinations of its bridges located in areas prone to bushfire and ensure that the risk posed to loss of infrastructure in a fire is understood by local authorities.*[27]

In its submission to the Special Inquiry Main Roads advised that as a consequence of this recommendation, a State-wide inspection of all timber bridges (including other bridge owner's assets) was undertaken by Main Roads to assess the risk associated with bushfires. A report finalised in September 2012 includes a spreadsheet identifying all timber bridges and their bushfire assessment. A copy of a spreadsheet was sent to all bridge owners on 31 August 2012.[28]

The Special Inquiry understands that for the South West Region a prioritised list of bridge vegetation clearing was developed to reduce risk. To date all bridges with a high risk rating have been cleared to a prescribed 10 metre clearance zone. In addition for the South West Region, Main Roads carries out annual visual inspections on all bridge assets which include the identification of vegetation issues (e.g. regrowth, debris in the river channel). The Samson Brook Bridge is included in the annual inspection process after initial vegetation clearance was undertaken during the 2012-13 financial year.[29]

[27] Government of Western Australia, *A Shared Responsibility: The Report of the Perth Hills Bushfires February 2011 Review,* 2011, p. 19
[28] Submission of Main Roads WA
[29] Submission of Main Roads WA

The Special Inquiry notes that following the Waroona fire Main Roads assisted in the recovery process make safe road infrastructure. This included the clean-up and construction repair and reconstruction of bridge assets and signage as well as assisting in the damage assessment for claims.

The Special Inquiry was made aware of new fire suppressant agents that are entering the market. These are in the form of retardant slurries and fire gels. These new technologies have been demonstrated to provide a significant barrier protection to structures in event of a significant bushfire. It is suggested that the owners and operators of critical infrastructure, investigate the relevance of such technology to the seasonal task of vegetation hazard treatment around structures.

Concluding comment on infrastructure

The need to protect critical infrastructure during an emergency or a disaster is self-evident. The task of the emergency services, and of those who have chosen to stay and defend their properties, becomes several orders of magnitude more difficult when essential services are interrupted.

With an increasingly uncertain future, where a changing climate and more severe weather events are becoming the norm, essential service and utility agencies must continue to imagine the future and to plan, as much as possible, for minimal service interruption. Key elements of essential service planning include:

- Having a current and exercised crisis response plan.
- Understanding vulnerabilities.
- Ensuring customers are aware of the vulnerabilities to supply.
- Continual research and investment in technology that 'hardens' the service infrastructure and architecture.

On the evidence available, the Special Inquiry concludes that essential services performed within their service standards. This, however, should not be a reason for complacency. The cost arising from essential service interruptions to commercial businesses and their ability to get back to normal operations is inextricably linked the resilience of infrastructure and its rapid restoration when damaged.

Continually improving and hardening such infrastructure is good crisis management, sound business and is the expectation of customers and the community.

Chapter Fourteen – Transition to Recovery

> *The capacity of a local government to deal with those challenges is limited when they are confronted with them on a large scale...*[1]

> *There's a great deal going on because we have to build a capacity from zero…*[2]

Terms of Reference

A comprehensive consideration of the recovery from the Waroona fire does not fall within the Special Inquiry's Terms of Reference. It should also be noted that at the time of writing, the recovery process following the Waroona fire is still underway.

However, Terms of Reference 1(g)(iii), (iv) and 1(h) require the Special Inquiry to consider a number of issues associated with the beginnings of the recovery effort (provision of welfare support, management of people seeking to return to their properties and livestock and companion animal management and welfare issues). Accordingly, the Special Inquiry has considered the transition between the response phase of the fire and the recovery phase of the fire, otherwise known as the 'transition to recovery'.

Recovery Framework

Recovery is the support of emergency affected communities in the reconstruction and restoration of physical infrastructure, the environment and community, psychosocial and economic wellbeing.[3]

The relevant State level policies governing recovery are SEMP 4.4 – Recovery Coordination and Westplan – Recovery Coordination. These documents prescribe the strategic arrangements for recovery from an emergency.

Under the *Emergency Management Act 2005,* [4] it is a function of local government to manage recovery following an emergency affecting the community in its district.

However, in some circumstances, it may be necessary for the State Government to assume responsibility for coordinating the recovery process at a whole-of-government level. This higher-level coordination operates only to ensure that the affected community has appropriate access to available resources. The management of recovery, including the establishment of a Local Recovery Coordinating Committee where appropriate, are still determined at the local government level.[5]

The decision to initiate State Government involvement is based on consideration of a number of factors including: the impact of the emergency; the capacity of the affected local

[1] Hay, B., Hearing, 24 March 2016
[2] Ibid
[3] Section 3 of *Emergency Management Act 2005*
[4] Ibid, section 36
[5] SEMC, SEMP 4.4 – *Recovery Coordination*, December 2014, [12] and [13]

governments to manage the recovery; the complexity of the recovery required; and the likely duration of the recovery.[6]

In the case of the Waroona fire the responsibility for recovery has become that of the State Government.

In instances where State Government involvement is required, the State Recovery Coordinator can consider recommending to the Police Commissioner that the State Recovery Coordination Group (SRCG) be convened. Once convened, the SRCG is responsible for State level recovery coordination and facilitation in complex or prolonged recovery operations.[7]

The SRCG may consider recommending that the Premier appoint a State Recovery Controller (SRC). The role of a SRC is to ensure the provision of coordinated recovery support to emergency affected communities through the direction and coordination of the resources made available by public authorities and other persons. The SRC is assisted in their duties by the State Recovery Coordinator.[8]

The Waroona fire is the first Western Australian emergency which has resulted in the establishment of the SRCG and the appointment of an SRC. [9] The Premier appointed, in consultation with the WA Police Commissioner, former Governor of Western Australia Dr Ken Michael AC to the role of SRC.[10] The experience of other Australian jurisdictions suggests that appointing a known and respected leader to lead recovery efforts can work well.[11]

In addition to local government, the SRCG and the SRC, a Controlling Agency in any emergency also has recovery functions. In particular, the Controlling Agency must initiate recovery activity during the response to that emergency. The Controlling Agency is also responsible for ensuring that in combating the effects of the emergency, activities have regard for the need to facilitate recovery.[12]

Finally, the Controlling Agency is also responsible for the coordination of assessment of all impacts relating to all recovery environments prior to cessation of the response, including a risk assessment and treatment plan to provide for safe community access to the affected area.[13]

Commencement of Recovery

There are four phases of effective emergency management: Prevention, Preparedness, Response and Recovery. These phases should not be considered to be mutually exclusive.

[6] SEMC, SEMP 4.4 – *Recovery Coordination,* December 2014, [15]; SEMC, Interim Westplan - *Recovery Coordination,* March 2016, p. 9 and Appendix D
[7] ibid, [23]; Ibid, p. 9
[8] Ibid, [24]-[26]; Ibid, p. 11
[9] Ibid, pp. 7, 9-10; Hay, B., Hearing, 24 March 2016
[10] Hay, B., Hearing, 24 March 2016
[11] For example, the appointments of General Stretton post Cyclone Tracy and the appointment of General Cosgrove post Cyclone Yasi.
[12] SEMC, SEMP 4.4 – *Recovery Coordination,* December 2014, [19]-[20]; SEMC, Interim Westplan - *Recovery Coordination,* March 2016, p. 8
[13] Ibid, [21]; Ibid, p. 8

In an emergency, recovery should commence during the response phase; it should not be an afterthought for dealing with once the immediate emergency is over.

Early consideration of recovery is required as plans may need to be made for the systematic removal of immediate risks during the response phase of a fire in order for recovery to commence. These risks can include:

- falling trees;
- damaged or obstructed roads and related infrastructure (such as bridges, signage);
- the presence of live fallen power lines and other live electrical assets;
- wandering stock and companion animals;
- unstable buildings;
- asbestos;
- effluent; and
- in situ hazardous materials.

The phrase 'transition to recovery' has been previously used to describe the process of shifting into recovery after the response phase of an emergency. The Special Inquiry acknowledges State policy is moving away from this terminology in favour of a focus on recovery coordination. However, it is evident from this Waroona fire that in practice there still appears to be two distinct, rather than concurrent phases of emergency management.

The Special Inquiry believes recovery can, and should, commence earlier in the response to an emergency. As response activities wind down and phase out, recovery activities can increase in tempo and resourcing.

Emergency services' role in recovery

The Special Inquiry understands that a Deputy Incident Controller for Recovery was appointed to the Incident Management Team by DFES during the Waroona fire. The first indication of this appointment the Special Inquiry is aware of is the Incident Action Plan for Operational Period 8 (0600 hours – 1800 hours, 10 January 2016).[14]

DFES commenced some recovery related actions in the days following the fire's passage through Yarloop. These immediate hazard mitigation actions were primarily in relation to the asbestos risk present, and included installation of hazard warning signage, the spraying of a stabilising solution on damaged properties and putting in place arrangements required for air quality monitoring.[15]

By 14 January 2016, DFES had completed both a Rapid Damage Assessment and an initial impact assessment to identify the initial recovery requirements. These documents are discussed in more detail below.

Further, DFES produced a formal Transition to Recovery Plan which detailed the transition planning arrangements for the handover of control from the controlling agency to the Shires

[14] Incident Action Plan, Shift 8, 10 January 2016
[15] Information provided to the Special Inquiry by DFES, 11 March 2016

of Harvey and Waroona. [16] The document outlined the impact of the fire, as well high level considerations of recovery requirements and the financial impact of the fire.

The Transition to Recovery Plan was formally handed over to the Shires of Harvey and Waroona on 20 January 2016, with notification of the handover sent to the State Recovery Coordinator the same day.

Impact Assessment

Some emergency services agencies (based on procedures developed originally for Urban Search and Rescue) have developed procedures and tools to undertake 'rapid damage assessments' and 'initial impact assessments' whilst a bushfire incident is still active. This enables an early assessment of risks and estimated damage.

Often, rapid impact assessments are carried out by emergency services and combat organisation personnel because they are specially clothed and equipped to deal with the risks of working in a 'hot zone' or a 'warm zone'. Emergency services personnel also have wide ranging powers (and protections) that provide a legal authorising environment to act in a wide range of circumstances during or immediately after an emergency.

Both a rapid damage assessment and an initial impact assessment were completed by DFES for the Waroona fire.

The rapid damage assessment was finalised by DFES at 1030 hours on 14 January 2016. This documents the assessment undertaken following the fire in affected areas and identifies the properties which have been damaged or destroyed by the fire, as well as those properties which were undamaged.[17]

The first initial impact assessment for the Waroona fire was completed by DFES at 1800 hours on 12 January 2016.[18] The initial impact assessment covered the impact of the fire on the following:

- property losses, including buildings, fencing and stock losses;
- essential services, such as water, power and communications;
- infrastructure, such as roads, bridges, rail and hospitals;
- critical industries and agricultural industries;
- recreational facilities and tourism generally; and
- the environment.

It appears to the Special Inquiry that this document was continually reviewed and updated, and was then used as the comprehensive impact assessment informing the DFES Transition to Recovery Plan.

[16] Ibid.
[17] DFES, *Rapid Damage Assessment*, 14 January 2016.
[18] DFES, *Initial impact assessment 'Waroona BF INC No 323128'*, provided to the Special Inquiry 11 March 2016

The CEO of the Shire of Harvey advised the Special Inquiry that the principal building surveyor for the Shire of Harvey undertook the Shire's own impact assessment:

> *He knows the area very well and was able to pick up certain things that weren't picked up in that rapid assessment process. I think he being with them [the DFES staff undertaking the initial impact assessment] would have helped and … saved time for us and saved time for everybody.*[19]

The Special Inquiry agrees with the proposition that it would be beneficial to have a local person involved in the completion of rapid damage assessments or initial impact assessments, and believes this should be explored by DFES, in conjunction with WA Local Government Association. Local knowledge is immensely valuable during an emergency and should be harnessed to make the process more efficient.

Opportunity 12: The Department of Fire and Emergency Services to engage with the WA Local Government Association to explore opportunities for Local Government personnel to be included in the make-up of Rapid Damage Assessment Teams.

Participation in recovery

In addition to the Controlling Agency there are a number of key agencies and organisations which can be involved in recovery. In the case of the Waroona fire, these included (but were not limited to):

- Local government;
- Department of Food and Agriculture WA (DAFWA);
- Department for Child Protection and Family Support;
- Main Roads WA;
- Department of Environment Regulation
- Utilities (gas, water, power, telephones);
- WA Police; and
- Insurance Council of Australia.

Handover to local government

The Special Inquiry understands that the CEOs of the Shires of Waroona and Harvey had concerns about the handover of the Transition to Recovery Plan from DFES to the local governments.

The Transition to Recovery Plan was handed to the Shires on 20 January 2016, with notification of handover sent to the State Recovery Coordinator the same day. The Special Inquiry heard from the Shire of Waroona's CEO that:

> *… the day of the handover, that's it, the whole of the State just debunked and left in a hurry and we haven't [as at the hearing on 4 April 2016] seen them since.*[20]

[19] Parker, M. Hearing, 31 March 2016
[20] Curley, I., Hearing, 4 April 2016

Similar sentiments were expressed by the Shire of Harvey's CEO about the nature of the handover of recovery. He stated during a hearing with the Special Inquiry:

> *[T]he handing over … to the Shire, look, we were disappointed with … what appeared to be unseemly haste that that process occurred in, and, again, I think it's time, place and circumstance.*
>
> *The size of this fire, the impact on our volunteers, the impact on the shire and its staff … was, I don't believe, sufficiently taken into account and we did argue the point and I have to say my colleagues elsewhere have often commented, when they've been involved in similar circumstances, be very careful about this handover process because it happens quickly, you're often not aware of things that you're getting left with that could well have been handled differently if you had been aware of.*
>
> *So we were conservative in terms of wanting to accept taking back control of this situation and I think there needs to be better transition if I can put it that way.*[21]

The CEO added the following example of an aspect of the handover:

> *WITNESS: We were contacted in the afternoon of the handover day or the day before to say – you know, to get vehicle control points manned at Yarloop because, "We're pulling out at 6 o'clock tonight," and I said, "Hold the bus, hang on, we need a little bit more notice than that," but basically that was it and the police were pulling out someone from metro and rang me to advise me that this was happening and you had better get hold of some contractors if you can't do it yourself. Sorry, in – what we were dealing with, that could have been handled better and that's just an example, I think, of - - -*
>
> *SPECIAL INQUIRER: Was the incident controller involved in that discussion or was it just police …*
>
> *WITNESS: The call came, from my recollection, from police, the person in charge of the people that were on the vehicle control points at the time, and, like I said, we had had some animated discussions with regard to the timing of this with DFES prior to that.*[22]

The CEO emphasises the lack of overlap between response and recovering, adding:

> *There's certainly a lack of continuity between the response and the recovery phase and that's what you've just alluded to there as well. I think it was a lack of understanding of local government's capacity, particularly in this case given the size of the incident. Now, we don't shy away from the fact that we understand that we're responsible for recovery.*[23]

[21] Parker, M., Hearing, 31 March 2016
[22] Ibid
[23] Ibid

The general capability, including the financial capacity, of local government to undertake recovery activities was drawn to the Special Inquiry's attention. Local governments can vary greatly in size – in terms of both Shire office staffing and the number of residents – meaning some are better positioned than others to undertake recovery:

> *Often the effects – the impacts of natural hazards occur in more remote areas, areas which are the responsibility of quite small local government organisations.*
>
> *Their resources are very thin when compared to public sector agencies which are engaged in the response.*[24]

Whilst the State Government, through the SRC, is coordinating the post-Waroona recovery, there has still been significant impact on the local governments. The Shire of Waroona's CEO expressed his frustration to the Special Inquiry:

> *[I]t's very hard to say, "No, the shire can do that." And that's the attitude, I believe, from the State …. "No, no. Recovery is the shire's responsibility. We will help you where we can or can be bothered," but there's no genuine attempt at help.*
>
> *In fact, the feeling that I get is that it's a case of, "Don't offer them anything. If they ask for it, try and avoid giving them anything," and we just get absolutely frustrated at even having to deal with them.* [25]

The handover process to the local government by emergency services was not ideal. More time needed to be spent ensuring all parties were comfortable with the handover, and that the decision to handover was informed by the capability of the affected local government to undertake the required recovery roles. As the State Recovery Coordinator stated in evidence to the Special Inquiry:

> *[T]he decision to stand down an Incident Management Team needs to have regard for not technically what is the responsibility of the [Hazard Management Agency] or the Local Government, but also the capacity at that point in time for the Local Government to pick up those responsibilities.*[26]

This issue has been highlighted during other fires in Western Australia's recent history:

> *So if we go back to events over the last few years and we look at the fires in Toodyay or Perth Hills or Margaret River or Parkerville or the fires in the south last year down around Manjimup, we see repeated challenges relating to unstable structures, hazardous materials, often, most often asbestos, … burnt out vehicles, littered loose cladding, tin, which could become airborne, and so on.*[27]

[24] Hay, B., Hearing, 24 March 2016
[25] Curley, I., 4 April 2016
[26] Hay, B., Hearing, 24 March 2016
[27] Ibid

This comment is particularly relevant to the Waroona fire – the presence of asbestos in Yarloop presents an enormous challenge for recovery, as explained by the State Recovery Coordinator:

> *The capacity of a Local Government to deal with those challenges is limited when they are confronted with them on a large scale, and it's not feasible for Local Governments to develop or retain a capacity to deal with those sorts of events.*[28]

Emergency response agencies are often well equipped to deal with some of the recovery issues before they decamp; their expertise and resources could be better applied before the handover is completed.

State's role in recovery of Yarloop

The State Government, through the convening of the State Recovery Coordination Group and the appointment of a SRC, has taken charge of the post-Waroona fire recovery efforts.

The Special Inquiry acknowledges the scale of the task at hand – the impact of the Waroona fire requires the largest recovery effort the State has ever undertaken.

The Special Inquiry is not proposing to make an assessment on the way the recovery issue is being managed as the recovery effort is still ongoing and it is not within the Inquiry's Terms of Reference. However, there has been evidence received by the Special Inquiry about the State's recovery efforts which should be noted.

The timeliness of the recovery effort has been commented on:

> *And I think the capacity for the State to move quickly has – their lack of capacity to move quickly has surprised us. …*
>
> *[W]e were able to get in place – with their assistance … prior to them taking over – site stabilisation and the monitoring … in Yarloop …*
>
> *[O]nce they did take over, there seemed to be a hiatus to get in place contractors to move in. And, of course, the community was saying, "Well, what's happening? We've - - -" you know, "Since the stabilisation nothing has happened." And I understand completely the logistics behind that, but I would have thought that in this situation some state of emergency provisions could have been evoked to ensure that we could get a quicker procurement of contractors.*[29]

[28] Hay, B., Hearing, 24 March 2016
[29] Parker, M., Hearing, 31 March 2016

One of the key issues brought to the Special Inquiry's attention is that there are no pre-existing contracts, approved tenders or panels of contractors that can be immediately drawn on to assist with recovery efforts. The usual State Government processes for procurement have generally applied to, and have in some ways hindered, the recovery efforts. The Special Inquiry heard that:

> *Indeed, in Western Australia, there isn't even a contracting community regionally that could be drawn on to respond to the challenges at an event such as that which hit Yarloop, …*
>
> *So following the fire, the impact on Yarloop was extensive, as you know. There's a good deal of contamination. The contamination was identified by the Health Department and the Department of Environmental Regulation. There was advice received from the Health Department about the need to stabilise that contamination.*
>
> *It would have been helpful if we had in place an existing contract for the provision of those services. There are a limited number of companies that can provide that service.*[30]

The State Recovery Coordinator elaborated with:

> *So I think in a – with hindsight, the availability of some panel contracts or pre-existing contracts, which would enable us to deploy immediately – and on pre-agreed terms – competent contractors to undertake those tasks – the testing, stabilisation and then the remediation of the hazard would give people the option – the opportunity to return to surviving homes. And I believe it would also give comfort to the community, the affected community, including those whose homes were totally destroyed, that everything was being done that could be done to move quickly to address the tragedy which has beset them.*[31]

In explaining the timeliness of the recovery effort and the appearance that 'there's nothing going on', the State Recovery Coordinator informed the Special Inquiry that:

> *I believe we've, in this instance, seen outstanding performance from our utilities. Western Power responded very effectively and very quickly and a significant cost to the government. Water Corp also. Main Roads was able to provide a workaround for the destroyed bridge and quickly get that highway functioning for heavy traffic. We then appear to be stationary, dead in the water, because the clean-up is apparently inactive. There's nothing going on. In fact, there's a great deal going on because we have to build a capacity from zero. We don't have a state agency responsible for demolition…*
>
> *We have to go and seek, for example, approvals from our State Tenders Committee to directly engage without going through a lengthy tender process. You know, there are a series of requirements which could have been anticipated and for which facilities could have been developed ahead of the game.*[32]

[30] Hay, B., Hearing, 24 March 2016
[31] Ibid
[32] Ibid

The lack of a pre identified body to undertake demolition, and the need go through a tender process to engage contractors, has slowed the recovery efforts. Hopefully, this will become a "lesson learnt" and will be addressed once the Waroona fire recovery is reflected upon by Government.

Recovery needs to start earlier

Recovery was not at the front of the IMTs mind. The Special Inquiry heard from a member of the IMT that:

> *But at the end of the day you're trying to put a fire out, you know. And that – on the back of that there's all this other stuff. But once you put the fire out you can change hats and put your recovery hat on …*[33]

The Special Inquiry heard from another member of the IMT that:

> *[S]hift 4 was a little bit early to talk about recovery…*[34]

The Special Inquiry believes there is a need for recovery to be elevated in the priorities of the IMT. This could be through the inclusion of personnel with the IMT – whose sole focus is recovery – from the earliest stage of the fire. Recovery should not start 'once you put the fire out' – it must start earlier for the benefit of the community.

In respect to the consideration of recovery during the Waroona fire, the Joint Agency Operational Audit noted an emerging issue of:

> *There was insufficient attention given to recovery in IAPs from this incident during the period under review. The IAPs must ensure that the needs of the communities affected are being addressed earlier in the incident.*[35]

While a Deputy Incident Controller for Recovery was appointed for Operational Period 8, which was on 10 January 2016, the Special Inquiry believes that a suitably qualified Deputy Incident Controller for Recovery must be appointed earlier. As the transition continues and the response activities cease, this role can then transition to Incident Controller Recovery.

Opportunity 13: The State Emergency Management Committee to develop an aide-memoire for Incident Controllers to guide the initial recovery considerations during an incident. The aide-memoire to include triggers for the initiation of rapid impact assessment and the escalation of the recovery function; immediate and likely future community health, welfare and safety considerations. These triggers will inform the Incident Controller/s when considering the discretionary appointment of 'Deputy Incident Controller, Recovery' during an incident that impacts on the community. Role of 'Deputy Incident Controller, Recovery' would be (with the Incident Controller) to consider the initiation of the recovery process and to manage the transition from incident response to the recovery phase.

[33] Chick, J., Hearing, 1 April 2016
[34] Towers, R., Hearing, 16 March 2016
[35] DFES and P&W, *Joint Agency Operational Audit*, 11 March 2016 p. 62

Welfare considerations

Return of residents

The Special Inquiry understands that in the immediate aftermath of the fire there were significant obstacles to local residents returning to their homes and properties. The need to review the policy on traffic management during emergencies is dealt with elsewhere in this Report.

In particular, residents of Yarloop have experienced significant recovery issues which have delayed the return of residents whose homes were significantly damaged. The delay in the ability for residents to return to Yarloop was explained by the State Recovery Coordinator:

> *Yarloop illustrates also that if we are not prepared to respond quickly to those challenges, then we run the risk of needing to exclude people from surviving homes which might otherwise be suitable for habitation. So the scale and extent of the contamination has made it necessary to us to caution people and advise them not to reside in certain properties. And, of course, that is – makes it very difficult for them. They would like to reside in their home.*[36]

The Special Inquiry understands that progress has been made by the SRC in the recovery of Yarloop, and demolition works have commenced at the time of this report.[37]

Provision of welfare support during the Waroona fire

The Department for Child Protection and Family Support (CPFS) has responsibility for the overall control and coordination of the emergency welfare response.[38]

Broadly speaking, this involves providing services in the following six areas:[39]

- emergency accommodation;
- emergency catering;
- emergency clothing and personal requisites;
- personal support services;
- registration and reunification; and
- financial assistance.

Two evacuation centres were established during the fire: the Murray Leisure Centre in Pinjarra (Shire of Murray) and the Leschenault Leisure Centre in Australind (Shire of Harvey). An initial evacuation centre in Harvey was closed when Harvey came under direct threat from the fire and the Australind centre opened at this point.

The Special Inquiry understands that CPFS registered and provided support to 1,759 evacuees. Approximately 220 - 250 people stayed in evacuation centres overnight during the Waroona fire.[40]

[36] Hay, B., Hearing, 24 March 2016
[37] Taylor, R., *Yarloop demolition work begins on bushfire-ravaged buildings,* ABC News, 30 March 2016, at http://www.abc.net.au/news/2016-03-30/demolition-of-yarloop-buildings-commences/7285680
[38] SEMC, Westplan – Welfare, January 2014
[39] Submission of Child Protection and Family Support
[40] Ibid

Subsequent to the response phase of the Waroona fire, CPFS has provided support services on a case management basis to people affected by the fire. This has included the provision of personal support, counselling, financial assistance, information, and practical assistance.[41]

The Special Inquiry did not receive evidence of any significant issues with the provision of welfare support from members of the public. This reflects well on the operation of the evacuation centres and the level of support received by those who utilised the available services. The Special Inquiry commends CPFS and the Shires of Harvey and Waroona for the comprehensive welfare support services provided to all those affected by the fire.

In addition, the Special Inquiry notes that the Murray Leisure Centre falls outside the Shire of Waroona and is instead located within the Shire of Murray. Notwithstanding this, both the Shire of Murray and the City of Mandurah provided extensive welfare support and assistance to those affected by the fire [42] and should also be commended.

Some concerns regarding the provision of staff and financial impacts were, however, highlighted in the Shire of Murray's submission to the Special Inquiry. The Shire hosted the Pinjarra evacuation centre.[43] The Special Inquiry will pass these concerns on to CPFS for consideration.

Livestock and companion animals

There is an expectation from the community that emergency management arrangements will allow for a coordinated approach to the management of companion animals, livestock and wildlife, and associate animal welfare issues.[44] Animal welfare can be broken down into two categories; the management and welfare of livestock, such as poultry, horses and cows; and the management and welfare of companion animals, such as dogs and cats.

Current policy regarding animals during emergencies

Western Australia does not currently have specific plans or policies for the management and welfare of animals in emergencies. There are national planning principles for animals in disasters which "provide a complete set of achievable, best-practice guidelines for animal welfare emergency plans that take into account the experience of multiple jurisdictions in the past 20 years, and aligns with the 2011 National Strategy for Disaster Resilience".[45]

The Special Inquiry notes that a working group has been established under the governance of the SEMC's Response and Capability sub-committee to consider animal management and welfare in emergencies in Western Australia. This working group consists of key stakeholder groups, including the Department of Agriculture and Food WA (DAFWA).

[41] Ibid
[42] Submission of Shire of Murray; Submission of City of Mandurah
[43] Submission of Shire of Murray
[44] National Advisory Committee for Animals in Emergencies, *National Planning Principles for Animals in Disasters*, May 2014
[45] Submission of the Australian Veterinary Association WA

Animal welfare and management during the Waroona fire

> *The importance that farmers put on livestock and animal welfare and farm assets does not appear to be taken into account by people in control.*[46]

Animals at evacuation centres

The Special Inquiry understands that not all evacuation centres are able to accommodate companion animals or livestock. The reasons for this include: lack of appropriate facilities to house animals, health and safety considerations, and insurance and liability concerns. As evacuation centres are generally local government facilities utilised by CPFS to house evacuees, these facilities are not designed solely for the purpose of evacuation, and there are also local government requirements regarding the presence of animals that must be considered.

DAFWA noted in their submission that there are challenges in finding appropriate facilities for long term evacuation of animals:

> *[W]here [the Department of Agriculture and Food WA] was dealing with commercial livestock, there are animal welfare issues which actually become people welfare issues. Not only companion animals but in the peri-urban area you tend to get farmyard animals associated with these properties; say, donkeys and llamas and guinea pigs and, you know, it's not merely the dog or the cat. And we lack a facility to deal with those where we're wanting to evacuate people for their safety and can be a long-term evacuation.*[47]

The evacuation centre established at the Leschenault Leisure Centre within the Shire of Harvey was able to accommodate companion animals. The Shire of Harvey informed the Special Inquiry that the Shire:

> *Established a secure location on one indoor basketball court to accommodate people's pet animals together with a food supply. This area had an external access way separate to the main entrance, so pets did not go through the evacuation centre area, Shire Ranger staff attended and assisted with these arrangements.*[48]

Rangers from the City of Mandurah, and the Shires of Waroona and Murray undertook welfare checks on animals in the Shire of Waroona in the first few days of the fire. Rangers also attended community meetings and liaised with people evacuated to access their properties and check on their animals. The Royal Society for the Prevention of Cruelty to Animals Western Australia and DAFWA also undertook animal welfare checks in the initial period after the fire.[49]

[46] Submission of member of public 70
[47] Hay, B., Hearing, 24 March 2016
[48] Supplementary submission of Shire of Harvey
[49] Information provided to the Special Inquiry by Shire of Waroona, 10 March 2016; Submission of City of Mandurah

Rangers also assisted with the care of companion animals brought to the Pinjarra evacuation centre. This was either caring for the animals at no cost at the Shire of Murray's animal management facility, or through other appropriate facilities in the region.[50]

Donated companion animal food was collected at the Council office and Waroona Community Centre, and distributed by the Shire of Waroona to affected persons.[51]

The Special Inquiry did not receive evidence to suggest the arrangements for companion animals at evacuation centres were inadequate during the Waroona fire. However, the Special Inquiry heard that, as animals were not able to be accommodated inside the evacuation centre, some people chose to remain outside with their animals:

> *I stayed almost the week at Australind there, but because I had animals, my dog, and my son had his dog, we stayed in the car park.*[52]

As discussed above, there is a SEMC subcommittee currently examining the policy around animals in emergencies in WA. The Special Inquiry therefore doesn't consider it necessary to make specific observations on this matter.

Veterinarian care of animals and access to animals during and after the fire

The Special Inquiry received evidence commending the numerous veterinarians who responded immediately to meet the needs of affected animals and displaced people who had animals with them that required veterinary attention. Much of this work was completed on a pro bono basis, supported by public donations to assist with the costs of veterinary supplies. [53]

These efforts were often affected by road closures. The Special Inquiry received evidence that there were issues in respect to:

> *…veterinarians and others trying to access animals in need, and returning to the area after obtaining necessary supplies to assist animals due to coordination and communication problems. There did not appear to be a responsible agency to manage the response…* [54]

The Special Inquiry understands that some difficulties accessing animals during the Waroona fire occurred due to road closures and the heavy handed implementation of vehicle control points, as discussed in more detail in Chapter 11. Other difficulties experienced related to the provision of feed or to attend to the immediate needs of agriculture, such as the milking of dairy cows, as well as accessing livestock in immediate need of treatment or euthanasia due to significant injury or burns.

[50] Submission of Shire of Murray; Submission of City of Mandurah
[51] Submission of Shire of Waroona
[52] Holbrey, L., Hearing, 22 March 2016
[53] National Advisory Committee for Animals in Emergencies, *National Planning Principles for Animals in Disasters*, May 2014
[54] Submission of Australian Veterinary Association WA

One submission to the Special Inquiry stated:

> *The heavy handed approach of making it nearly impossible for people to return to protect their assets and stock, regardless of the competency and local knowledge of the person trying to get in, can only lead to frustration, anger and maybe unnecessary losses for the property owner.*[55]

A submission from a Cookernup resident recounted difficulty experienced while taking supplies to animals in need:

> *Several occasions I had to stop and explain my reasons for movement (which I was happy to abide), but, when we were taking emergency supplies to distribute to animals housed in a fully burnt out area (which was not in danger due to nothing left) was ridiculous (especially when we were returning home to a possibly dangerous area).*
>
> *We were proven locals helping locals and providing a duty of care to manage and protect the welfare of animals. In one instance we were told to turn around, we had to get friends (who lost everything) to drive to our place hook on the trailer full of supplies, take it back to their property, unload it, return to us and unhook again at our place.*[56]

These difficulties were echoed by the Livestock and Rural Transport Association of WA in a submission to the Special Inquiry:

> *The process for transporters to obtain access permits so animals could be transported out, and feed could be transported in, appeared to be ad hoc and not follow any particular process. There was more than one occasion where transporters followed the process they had been advised to follow only to arrive at the police checkpoint to be told the permit was not valid and access would not be allowed.*[57]

Livestock is the livelihood for many people in rural areas, such as the area affected by the Waroona fire. It is important that the importance of tending to animals and livestock, which in turn ensures sustaining a person's livelihood, is recognised by those managing emergency situations.

The Special Inquiry hopes that the work being undertaken by SEMC in relation to animals during emergencies, in conjunction with the work required to address Recommendation 14 of this report, will address the issues detailed above.

[55] Submission of member of public 69
[56] Submission of member of public 81
[57] Submission of Livestock and Rural Transport Association of WA Submission

Chapter Fifteen - Rural Fire Capability

> *The bushfire system in WA is without policy leadership. It is fragmented in terms of the number of people who are involved, the number of Government agencies who have a finger in the pie.*[1]
>
> *The FRS (Fire and Rescue Service) culture is one that prioritises structural firefighting over any other type of fire, that favours incident response rather than hazard reduction, and which focusses on the Perth metropolitan area rather than the entire State.*[2]

Bushfire is a growing problem in Western Australia. As discussed in Chapter 7, in order to meet future challenges, there is a need to focus greater effort and investment into bushfire prevention, mitigation and community preparedness. At the same time there will be a need for an improved capability to respond, including through the adoption of new technologies. This multi-pronged approach is necessary in order to deliver a more effective service to the rural areas of the State.

Rural fire management across Australia

The Special Inquiry does not intend to undertake a detailed analysis of the arrangements in other jurisdictions. However, it is noted that there is no common approach to the question of a separate rural fire organisation.

Table 15.1 below is adapted from the Report of the Victoria Fire Services Review[3] and compares governance arrangements for fire services across Australia.

Jurisdiction	Service	Led By	Reporting to	Nature of service	Board oversight
ACT	ACT Fire & Rescue ACT Rural Fire Service	Chief Officers	Commissioner of Emergency Service	Government agency	N/A
NSW	Fire and Rescue NSW NSW Rural Fire Service	Commissioners	Minister for Police and Emergency Services	Statutory authorities	N/A
NT	NT Fire and Rescue Service	Chief Fire Officer / Director	Commissioner of Police / Chief Executive Officer	Part of Government tri-service	N/A
QLD	QLD Fire and Rescue Service	Commissioner	Minister for the Police, Fire and Emergency Services	Operational unit of Government department	N/A

[1] Underwood, R., Hearing, 11 March 2016
[2] Submission of member of the public 13
[3] O'Byrne, D., *Report of the Victorian Fire Services Review: Drawing a line, building stronger services*, 2016

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Jurisdiction	Service	Led By	Reporting to	Nature of service	Board oversight
SA	Country Fire Service Metropolitan Fire Service	Chief Officers	Minister for Emergency Services and SAFECOM Board	Statutory authorities	SAFECOM Board
TAS	Tasmania Fire service	Chief Officer	Minister for Police and Emergency Management	Statutory authority	Governance group of State Fire Commission
VIC	Country Fire Authority Metropolitan Fire and Emergency Services Board	Chief Executive Officers	Boards	Statutory authorities	CFA Board MFB Board
WA	Department of Fire and Emergency Services	Commissioner	Minister for Emergency Services	Government department	N/A

Table 15.1: Governance arrangements for fire services across Australia

From the perspective of rural fire management, the experience of New South Wales, South Australia and Victoria are particularly relevant to Western Australia.

New South Wales

New South Wales has separate statutory bodies for rural fire (New South Wales Rural Fire Service) and urban fire (Fire and Rescue New South Wales). Both are well established as separate organisations and each has a Commissioner.

Of note, in NSW there still exists a strong tie between the Rural Fire Service (RFS) and local government. All RFS assets are vested in the council. A structure of local government Bushfire Management Committees link to a State Bushfires Coordinating Committee. In 2001 a transition started whereby local government bushfire staff exited their local council employment to take up employment with the RFS. In the main, this has been a successful partnership. Many RFS employees are still accommodated in local council facilities.

South Australia

In South Australia there are separate bodies in the Metropolitan Fire Service, the Country Fire Service and the SES. Each is headed by a Chief Officer. The Chief Officers all report to a Minister and to a board. There is an overarching organisation called the SA Fire and Emergency Services Commission, headed by a CEO, who provides shared corporate and administrative services to each of the emergency services organisations, but has no direct operational role. It is also relevant to note that in 2015 the then Minister developed a proposal whereby the fire and emergency services would be amalgamated into one body with one operational head and one CEO heading the organisations. In May 2016, following sustained criticism, the idea was abandoned.

Victoria

Victoria has separate fire services for rural fire (Country Fire Authority), Melbourne urban fire district (Metropolitan Fire Brigade) and the SES. Each is a separate body, headed by a Board who appoint a CEO to run the business and a Chief Officer who runs the operations. Following criticisms made in the 2009 Victorian Bushfires Royal Commission a new position of Fire Services Commissioner was created to be the most senior fire officer in the State.

In 2013, following a review and a white paper, the Government moved to establish Emergency Management Victoria, led by a CEO and a Commissioner for Emergency Services (subsuming the former Fire Services Commissioner role). The Commissioner for Emergency Services has broad responsibilities for a whole of government approach to prevention, preparedness, response and recovery for a wide range of non-terrorism emergencies.

It is noteworthy that Victoria is one of only a few jurisdictions in the world with "integrated brigades". In integrated brigades there is a membership of both career firefighters and volunteer firefighters. Whilst not without its challenges, the integrated model yields significant community benefit as the volunteer firefighters can be supported by career staff. Also, there is a significant surge capacity created for major incidents (be they of an urban or a rural nature). An indirect benefit of the integrated model is the 'blending' of cultures and approach, and closer connections to the community.

In July 2015 the Minister for Emergency Services commissioned a review into the resourcing, operations, management and culture of Victoria's Metropolitan Fire and Emergency Services (MFB) and Country Fire Authority (CFA). The recommendations of the Report, *Drawing a line, building stronger communities,* were accepted by the Government with the exception of recommendations 13 and 14, which propose the reinstatement of the position of Chief Fire Officer as the head of each fire service and the establishment of a single governing board for the CFA and the MFB.

The Report noted that:

> *At times, the relationship between the leadership and firefighters seems like trench warfare … "It is evident to the review that there is a serious and fundamental disconnect between the senior management and operational firefighters. In the case of the MFB, this has become an almost uncrossable chasm.*[4]

The Minister for Emergency Services released the following statement in response to the Report:

> *The Government has made it clear we would not amalgamate the CFA and MFB at any level. Additionally, the complexity and size of these community organisations requires both executive business leadership and operational leadership.*[5]

[4] O'Byrne, D., *Report of the Victorian Fire Services Review: Drawing a line, building stronger services,* 2016, p.32

[5] Minister for Emergency Services Victoria, *Government Response to Fire Services Review,* 16 March 2016 http://www.premier.vic.gov.au/government-response-to-fire-services-review/

Industrial Relations

In every State and Territory the urban fire agency has a strongly unionised workforce which sets out distinctive remuneration and work conditions of its members. Paid staff who manage and coordinate rural fire volunteers are covered variously by either separate awards with the firefighters union, or by public sector, technical or local government employee based unions.

By comparison, the rural fire and SES volunteers are represented by volunteer associations.

Land management agencies

Finally, each jurisdiction also has arrangements that see the parks management and public land forest management agencies formally involved in fire. These arrangements vary. In Victoria, the relevant Department has a Chief Fire Officer who leads a network of government organisations who have a part time fire management capability. In South Australia, the land management agency resources are recognised as formal "Brigades" within the Country Fire Service structure. In other jurisdictions, land managers are incorporated through fire prevention and bushfire coordination committees at local, regional or state level.

General observations

An overview of the structures and industrial issues across Australia enables the Special Inquiry to make following observations:

- a number of governments have found emergency services organisational reform to be difficult, with many pitfalls (including adverse political consequences). The most successful reforms seen to have been following a critical review after a major fire or emergency; for example, structural changes which occurred following the Canberra 2003 bushfires and the Black Saturday bushfires of 2009;
- with the exceptions of the CFA in Victoria and in Tasmania, fire and emergency services volunteers are in separate bodies to career fire services fire station staff;
- the industrial implications of any proposed fire agency mergers is an important consideration; and
- the risk of any proposed reform must consider, foremost, the longer term effect on volunteers and their connection to rural communities.

History and framework – Rural Fire Management in Western Australia

Chapter 7 of this Report discusses the fire prevention responsibilities of a number of Government agencies and their predecessors, including the Department of Environment and Conservation and the Forests Department.

At this juncture it is useful to briefly outline the history to the current framework for bush fire management and volunteer brigades in Western Australia.

From 1885 to 1954 several Acts pertaining to bush fire management were enacted, which amongst other things, established prohibited burning times and the registration of Bush Fire Brigades.

The *Bush Fires Act 1954*, at the time of enactment, outlined processes for fire prevention, and the responsibilities of local governments and Bush Fire Brigades with respect to the control and extinguishment of bush fires. The Act also established the Bush Fires Board, which was responsible for administering the *Bush Fires Act*, providing advice the Minister in relation to the prevention and extinguishment of fires, and carrying out fire prevention measures.

The *Fire and Emergency Services Act 1998* (FES Act) formally established FESA, replacing the Bush Fires Board and the Metropolitan Fire Brigades Board, which had been established in 1898. This bought together volunteer services and career staff under the one board and one CEO.

Under the FES Act, FESA Consultative Committees provided input on strategic issues and advice in relation to policy and planning within FESA operation portfolio. These Committees included:

- Bush Fire Service Consultative Committee;
- Fire and Rescue Consultative Committee;
- SES consultative Committee; and
- Volunteer Marine Rescue Services Committee.

The *Fire and Emergency Services Legislation Amendment Act 2012* commenced on 1 November 2012. The Act abolished FESA, which was replaced by DFES, headed by a Fire and Emergency Services Commissioner. The activities of DFES with respect to the prevention, control and extinguishment of fires are set out in the Act, along with provision for the creation of Volunteer Advisory Committees, replacing the former Committee structure under FESA.

In accordance with the *Emergency Management Act 2005*, DFES is also the Hazard Management Agency for fire across the whole of the State. This was discussed in detail in Chapter 8 of this Report.

Capability - Department of Fire and Emergency Services does not tailor its service to the rural fire environment

Expertise in Rural Fire

A range of stakeholders have expressed concern that DFES staff do not have sufficient expertise in rural fire management. One volunteer described this as "the biggest problem we've got in Western Australia."[6]

Another submission observed:

> *DFES has been run by career Fire and Rescue staff out of Perth who have very little knowledge of, or exposure to, country emergency services. The impact of this has seen a great divide being developed between country and metro.*[7]

Several submissions also suggested that whilst there may have previously been staff within DFES with bushfire experience, many of these people have now left the organisation.

[6] Lawrence, R., Hearing, 4 March 2016
[7] Submission of member of the public 164

The perception of inexperience in rural fire management within DFES also applies to staff at higher levels with management responsibility:

> *Many of the FRS personnel who end up in charge of major bushfires have limited bushfire experience, as they have spent their entire careers in the metropolitan area responding to relatively small local bushfire incidents, with limited opportunity to attend major fires. These officers have limited experience at combatting large scale broadacre or forest fires.*[8]

These perceptions were put to the FES Commissioner in his oral hearing before the Special Inquiry, where he expressed the view that there is "a good balance of personnel in the Department across the range of hazards that we have to deal with."[9]

In the view of the Special Inquiry, it is imperative that bushfire skillsets are incorporated into succession planning. In a general sense, in an organisation where the principal means of entry level recruitment into operational positions is through urban fire stations, there will be a resultant effect on the culture and approach of that organisation. In the absence of a clear policy on lateral entry, applicants for more senior operational positions are assessed against competencies that are primarily gained through urban career fire experience.

This succession planning deficiency can be addressed by building a broader set of skills and experience into the selection criteria for key rural and general fire management positions. Examples might be to recognise volunteer service, local government fire experience, actual rural firefighting experience and seeking out applicants with a broader range of qualifications, including tertiary qualifications in land, agricultural, forestry and emergency management.

Training in Rural Fire

In addition to there being a perceived lack of experienced persons in rural fire management in DFES, there was also the suggestion put to the Special Inquiry that the agency does not provide adequate training to their staff in bushfire management, and emphasises theory rather than practical experience.

The State Emergency Services Volunteers Association expressed the view that this issue is not confined to bushfire skills:

> *… what is becoming increasingly apparent to SES volunteers throughout the State is that DFES staff have no training in the (natural hazard) roles they take over and the events are not managed efficiently with many problems occurring.*[10]

Opportunity 14: The Department of Fire and Emergency Services training for Fire and Rescue career staff (at LFF and S/O training courses) to include enhanced training in natural hazard incident management; hazard reduction burning; rural and forest fire behaviour and the P&W use of fire as a management tool.

[8] Submission of member of the public 13
[9] Gregson, W., Hearing, 6 April 2016
[10] SES Volunteers Association of Western Australia (Inc), Hearing, 9 March 2016

Different strategies

Experience in rural fire fighting and management is crucial as the strategies applied in that context greatly differ to strategies in the urban environment. These strategies include suppression techniques, asset protection and most crucially, the management of emergency services volunteers.

The Special Inquiry heard evidence that DFES staff, both during the Waroona fire and generally, do not always demonstrate an appreciation of these strategic differences.

> *They don't understand fire behaviour in the country… Bush firefighters will aggressively go and attack a fire through a paddock. Fire and rescue people say wait till it comes to the top of the road and we'll stop it there. Now, you'll never stop it at the road because it's still burning in the paddock. So you need to put it into the road merge and the attack it from both sides at once. So they don't understand that firefighting capacity.*[11]

In addition to the method in which the fire is fought, another aspect of the strategic differences in the urban and rural context relates to the prioritisation of assets which are protected. For example, in a rural area, a farmer's livelihood may be dependent on the equipment in their shed and/or stock, and thus they may be willing to sacrifice their home before their assets. Such a scenario is less likely to arise in a metropolitan area.

As discussed in Chapter 9, the Special Inquiry received accounts of DFES fire fighters prioritising house protection to the detriment of other assets, despite residents expressing a view that their shed or stock was more important to them.

Training and advancement of bushfire volunteers in the Department of Fire and Emergency Services

As noted by the Auditor General in his recent report *Support and Preparedness of Fire and Emergency Services Volunteers*, volunteers are a critical part of the State's response to fires and emergencies, particularly in regional and remote Western Australia. Of the 800 volunteer service groups across the State, around 700 are located outside of the Perth metropolitan area.[12]

DFES is directly responsible for the following volunteer organisations:

- Volunteer Fire and Rescue Service;
- State Emergency Service;
- Volunteer Marine Rescue Services;
- Volunteer Emergency Service; and
- Volunteer Fire Service.

Whilst local governments are directly responsible for Bush Fire Service volunteers, DFES provides support in the areas of administration, training and funding.

[11] Twaddle, J., Hearing, 4 March 2016
[12] Western Australian Auditor General, *Support and Preparedness of Fire and Emergency Services Volunteers,* 2015, p. 5

Training

DFES provides training to paid staff and volunteers through the Professional Pathways Project, which includes leadership, technical and operational training.

The FES Commissioner advised the Special Inquiry that volunteers have been "intimately involved" with the structuring of the Professional Pathways project, which will deliver increased volunteer capabilities. The FES Commissioner also expressed support for volunteers obtaining nationally accredited training "because it gives them mobility and recognition in the industry and other areas"[13].

Not all stakeholders share the view that volunteers are benefiting from the Pathways Project, and have suggested that it has "been designed to suit the paid staff"[14].

In particular there is concern that modules required to be undertaken are lengthy and delivered during business hours. The courses, and pre-requisite subjects, also fail to recognise pre-existing knowledge and training (some of which was undertaken well prior to the Pathways Project being adopted).

At the core of volunteerism is the need to offer training that is relevant and tailored to the needs and availability of volunteers, many of whom are employees or self-employed. The scheduling of courses during normal working hours fails to appreciate the limited time which volunteers have available.

For those volunteers who live in rural and remote areas, training should, wherever possible, be taken to the volunteers rather than the volunteer having to travel long distances.

It would appear that the application of the Professional Pathways project exemplifies the general approach of DFES in relation to the management of volunteers. Rather than involving volunteers with the development of the project "from the ground up", the process appears to have been developed for career staff, then retrofitted to volunteers. As a result, the project does not always meet volunteer needs and they feel a lack of ownership.

Incident Management Team role advancement in the Department of Fire and Emergency Services

The Special Inquiry also received evidence that bushfire volunteers are less likely to be promoted within the DFES-led Incident Management Teams, due to a perceived preference for staff with a metropolitan background. For example:

> *Under the DFES structure… they've entrenched all the fire and rescue city centric union controlled people into the system that you can't – unless you've gone through their school of knowledge, you can't get above a D/O level.*[15]

This sentiment was echoed by the Emergency Services Volunteer Association:

> *We believe there's a cap in there. If you don't come from the fire and rescue side of the school, you don't rise any higher than a certain rank.*[16]

[13] Gregson, W., Hearing, 6 April 2016
[14] Association of Volunteer Bush Fire Brigades WA Inc., Hearing, 31 March 2016
[15] Ibid
[16] Emergency Services Volunteers Association, Hearing, 9 March 2016

The FES Commissioner, whilst acknowledging there is a "limited engagement" of volunteers in Level 3 incident management roles, expressed the view that there is an increasing engagement "of volunteers at Level 1 and 2 incidents."[17]

The active promotion of volunteers onto IMT roles would go some way to rebuilding the bushfire expertise of DFES, which as discussed above, is perceived to be lacking.

Volunteers within the Incident Management Team during the Waroona fire

Timeliness of deployment

The Special Inquiry received reports of Bushfire Brigades not being deployed to the Waroona fire, and that firefighting resources were sent from Perth first. This left some volunteer firefighters feeling underutilised.

During the initial attack on the fire, there were some who suggested that P&W did not engage local Bush Fire Brigades sufficiently early. The Special Inquiry heard from the initial IC that:

> *There was a discussion later in the morning [of 6 January] about whether or not we utilised brigade assistance, and, in fact, there were several discussions about it …*
>
> *[T]he discussion was, really, between myself and [Operations Officer A], and at that time, we were a little concerned that if we got brigade assistance, they may be sitting [idle]. We would be unable to deploy them, because, in that environment … the fire was separate from roads and tracks, so the initial attack is really with machinery, to establish a fire line …*[18]

The Special Inquiry believes the reasoning behind the decision not to request Bush Fire Brigades during the initial attack is sound.

The Special Inquiry understands that the first request for Bush Fire Brigade assistance occurred at the time the spot fires around Waroona started on the evening of 6 January 2016. At the same time, resources from DFES were also requested by P&W.[19]

The Special Inquiry understands that personnel and resources from the metropolitan area were deployed –in some cases, ahead of Bush Fire Brigades – as they were required for specialised purposes, including the protection of infrastructure and structural assets – a role generally not undertaken by Bush Fire Brigades.

Evidence received by the Special Inquiry suggests that there may have been opportunity for earlier deployment of some Bush Fire Brigade resources, particularly once the fire reached Waroona on the evening of 6 January 2016.

[17] Gregson, W., Hearing, 6 April 2016
[18] Ridley, J., Hearing, 17 March 2016
[19] DFES and P&W, *Joint Agency Operational Audit,* 11 March 2016, p. 50

The Fire Control Officer for the Coolup Volunteer Bush Fire Brigade – located approximately 13 kilometres north of Waroona – informed the Special Inquiry in a submission that:

> *On Wednesday night [6 January], a steady stream of fire trucks raced down the South West Hwy past our station while our 3 trucks stayed inside one of which was a 15000lt bulk tanker, what a wasted resource.*[20]

The City of Mandurah relayed the sentiments of the Mandurah Southern Districts Bush Fire Brigade – who were not activated during the first four days of the fire – in a submission to the Special Inquiry:

> *The decision not to activate the Southern Districts VBFB was disappointing for their membership. They spend many hours training and preparing for the opportunity to assist their community. It must be understood that under-utilising a brigade can have detrimental impacts on morale, recruitment and retention of volunteers.*
>
> *Despite the CBFCO participating in the Metro Operations Centre conference calls and advising of available resources, the brigade [was] still not used within the first 4 days of the incident.*[21]

The submission went on to state:

> *The City [of Mandurah] is not questioning the operational decision made, just the importance of communicating with the brigade the reasons for their lack of deployment, particularly when they are one of the closest brigades to the incident. Members were extremely upset when eastern states counterparts were arriving and they had themselves not been utilised.*[22]

While there may have been operational reasons that the Special Inquiry is not aware of regarding the delay in deploying volunteers, the tactic employed when fighting a fire should be to 'hit it hard and hit it fast' – the speedy utilisation of Bush Fire Brigade volunteers from surrounding districts may have assisted with this.

In the view of the Special Inquiry, Regional and State Operations Centres should ensure that there is both a reserve maintained, and a reasonable commitment of local resources to the fire. Whilst it is understood that the SOC may be guided by response tables, it is important that such tables are not so slavishly applied that they compromise the principle of 'nearest and fastest'. The requirement for the ROC and SOC to develop critical oversight, foresight and strategic coordination (as distinct from intervention) is vital.

Self-deployment of local resources

A particular issue which can arise when managing Volunteer Bush Fire Brigades is self-deployment, which can inhibit the ability of the IMT to monitor the number and locations of crews on the fireground. Self-deployment may occur in the absence of critical regional

[20] Submission of member of the public 59
[21] City of Mandurah Submission, 4 March 2016
[22] Ibid

oversight, and coordination discussed above. The Special Inquiry received evidence of self-deployment occurring during the Waroona fire.

Self-deployment can stem from volunteers feeling underutilised, or not being aware of the strategy they are helping fulfil:

> *Apart from joining all the other [Volunteer Bushfire Brigade] participants in being very frustrated at not being utilised at all in the morning (20 or more trucks patrolling Cookernup was utter overkill). We and many of the other trucks just went out to where there was smoke and started protecting assets without any instructions from Central Control.*[23]

To address this issue, the Incident Controller for Operational Period 2 suggested in a submission to the Special Inquiry that:

> *Additional information and training for brigades to improve the knowledge and understanding of AIIMS and the bushfire command structure may be beneficial to improving [integration of brigades into the fire structure].*[24]

The Special Inquiry concurs with this observation. It would appear that the majority of the Division and Sector Command roles relevant to volunteer brigades were performed by Fire and Rescue Officers. A general observation from the evidence provided at hearings was that these officers had good understanding of what Fire and Rescue appliances they had under their control. The Sector Commanders were less certain however about the number, deployment and tasking of Bush Fire Brigade appliances in their Sectors.

There is a need for increased communication between Sector Commanders and with Bush Fire Brigades under their control to ensure there is awareness of the 'bigger picture' when fighting a large scale fire, and for a shared understanding of large command structures.

Instances of Volunteer Bush Fire Brigades self-deploying without instruction from Divisional or Sector Commanders is a safety risk. The IMT should have visibility of all available resources at all times during an incident: the need for automatic vehicle location capability, and for an interoperable resource management system are discussed later in this chapter.

Utilisation of local knowledge

Volunteer firefighters are invaluable resources. Bush Fire Brigade volunteers, including Fire Control Officers and CBFCO, possess local knowledge that needs to be listened to and utilised by the IMT.

When asked about the value of Bush Fire Brigade members by the Special Inquiry, the IC for Operational Period 2 advised that they are:

> *immensely valuable … [and] very good at their local patch, very good at knowing the nooks and crannies in their area, and the people – and what … assets … need to be protected [or] could be at risk.*[25]

[23] Submission of member of the public 7
[24] Email from Greg Mair to the Special Inquiry dated 6 March 2016
[25] Mair, G., Hearing 18 March 2016

The Planning Officer for Operational Period 2 advised the Special Inquiry that:

> *Ideally … the Chief Bushfire Control Officer, if they've got the skills, should come in and be part of the incident management team.*[26]

As to the type of role suitable for a CBFCO, the IC for Operational Period 2 expressed the following view:

> *I would not put a Chief Bush Fire Control Officer as a sector Commander. Their value in an incident of the magnitude of this one is at a much higher level in the incident management team… they should have been somewhere in more of a advisory fire management role over viewing and providing input at a whole range of levels, the decision making, the local community, the operations.*[27]

During the Waroona fire, the CBFCO for the Shire of Waroona was located at the ICC at times acting in a liaison role for the IC. The IC for Operational Period 2 told the Special Inquiry that:

> *I don't think he was particularly comfortable; it was a very steep learning curve for him. Sometimes even experienced people aren't comfortable, but he was the – sort of on my hip to talk about local matters, and provide advice to me on local matters, where I knew more universal, global things about the structure; he knew the detail in town ...*
>
> *I have a view that we can't do business … effectively without local government, broadly, in emergency management of bushfires, and specifically without local input from the brigades, and the Chief [Bush Fire Control Officer].* [28]

The Special Inquiry heard from the CBFCO for the Shire of Harvey – who spent his time on the fire ground with his brigade members – that he was in regular contact with the CBFCO for the Shire of Waroona when he was the liaison officer in the IMT. However:

> *SPECIAL INQUIRER: Now, after [the Chief Bushfire Control Officer for Waroona] left the [IMT] at 11 o'clock [in the morning] on Thursday [7 January], were there any other communications by you back to either on the radio or face to face or you going back into Waroona [ICC]?*
>
> *WITNESS: No. Basically once [the Chief Bushfire Control Officer for Waroona] had left, as I say, that was pretty much the – you know, the last time I sort of spoke to anybody in there.*[29]

[26] Carter, J., Hearing 1 April 2016
[27] Mair, G., Hearing, 26 April 2016
[28] Mair, G., Hearing, 18 March 2016
[29] Penny, P., Hearing, 4 April 2016

Evidence presented to the Special Inquiry suggests that having a volunteer presence in the IMT can have a number of benefits, foremost the sharing of local knowledge with the IMT. It also allows for communication, in both directions, from the IMT and volunteers on the ground.

The reported problems with communication between the IMT and Bushfire Brigades, as well as the self-deployment of Bush Fire Brigades to the fire ground, could be mitigated through the engagement of volunteers within the IMT and as Sector Commanders.

Placing appropriate qualified volunteers into Sector Commander roles will allow their local knowledge and bushfire fighting expertise to be effectively applied by themselves and those under their command on the fire ground. This will ensure that the IMT is best informed about the fire, and that resources are most appropriately deployed.

The recent Major Incident Review of the Esperance fires recommended that:

> *The fire agencies will need to ensure that there is sufficient support for structures to incorporate local knowledge. This should include the availability, and potentially funding, of training for local volunteers and government agency staff to enable them to participate in IMT roles.*[30]

The Special Inquiry supports this recommendation, and believes that DFES and P&W should agree to minimum targets for volunteer participation as Sector Commanders and in IMT positions.

Opportunity 15: The Departments of Fire and Emergency Services and Parks and Wildlife (and, when established, the Rural Fire Service) to agree on minimum targets for volunteer participation as Sector Commanders, and in Incident Management Team positions and develop strategies to meet those targets.

State Wide Operational Response Division

The Special Inquiry notes that amongst the volunteers who contributed to the Waroona fire, personnel were provided by the State Wide Operational Response Division (SWORD). The SWORD is a body of volunteers based in Forrestfield and overseen by career fire and rescue personnel, which can be deployed to incidents in regional areas.

The Special Inquiry understands that the SWORD do not have dedicated vehicles, rather they borrow vehicles from the high season pool. The Captain of the SWORD suggested to the inquiry that if the SWORD had a dedicated fleet of heavy and light tankers, large capacity water tanker, an ICV, and IC vehicles it could then respond to any level 3 incident in Western Australia, and fulfil leadership roles at a Division and/or Sector level.[31]

The SWORD concept builds a flexible reserve that provides a contingent capacity, should local resources be stretch by a fire (or some other emergency). The concept of SWORD is very appealing and should be further explored and developed. It is fully supported by the Special Inquiry.

[30] Nous Group, *Major Incident Review of the Esperance District Fires*, 8 March 2016, p. 61
[31] Submission of member of the public 165

Provision of food to volunteers

The Special Inquiry received evidence that whilst the catering for volunteer firefighters at Brunswick Junction was well managed, the catering resources at Waroona, particularly in the first 24 hours of a crew's shift, were poor.[32]

A volunteer Bush Fire Brigade member who worked at the Waroona fire recounted to the Special Inquiry an instance where he had worked from approximately 12 hours, and was not provided with food at the Control point, aside from lettuce. He stated he was also not provided with any fuel, and advised to go to a service station, despite the stations being closed at the time of his request (approximately 2130 hours).[33]

The provision of food to initial shift personnel should be achieved by having pre-planned ration packs and drinking water stored on every appliance. Thereafter, provision of food and water becomes the responsibility of the IC.

The identification of resources deployed to a Sector, and the subsequent briefing, tasking, feeding and watering of those resources is not discretionary, it is a primary duty of care. Where this does not occur, it is a fundamental failing of the system of resources management.

Volunteer Fatigue Management

As noted by the Auditor General in his recent report *Support and Preparedness of Fire and Emergency Services Volunteers*, fatigue can be physically and mentally hazardous for volunteers, and it is "not unusual for volunteers to respond to an incident after already having worked a full day of paid employment".[34] It is therefore essential that this is managed appropriately, with a full understanding of the hours committed by volunteers both in the incident and in their outside work.

The Special Inquiry received evidence that during this incident, there was not appropriate fatigue management for volunteers. For example, the Special Inquiry is aware of at least one instance where a volunteer Sector Commander and his resources left the fireground on day two of this fire because they had had no rest for 24 hours.

The Special Inquiry also received evidence that some brigade members undertook overnight 12-14 hour shifts, and were then asked to drive home from Waroona to Perth at the end of their shifts.[35]

[32] The WA Volunteer Fire and Rescue Services Association (Inc), Submission
[33] Lawrence, R., Hearing, 4 March 2016
[34] Western Australian Auditor General, *Support and Preparedness of Fire and Emergency Services Volunteers*, 2015, p. 8
[35] Submission of member of the public 13

In his Report, the Auditor General found that existing DFES policies do not specifically address volunteer fatigue, and as a result volunteers must self-manage their fatigue. By purporting to include volunteers under standard policies and procedures drafted for career staff, DFES is not demonstrating an adequate appreciation of volunteer needs. The Special Inquiry concurs with the following recommendation made by the Auditor General:

> *The Department of Fire and Emergency Services should, within 12 months, develop specific policies and procedures, including fatigue management, consistent with the Guidelines for Successful Partnerships between Public Sector Agencies and Volunteers.*[36]

The Special Inquiry is of the view that recommendation 15 of this report, relating to the issuing of ID cards, will not only assist with traffic management as discussed in chapter 12, but also in the effective utilisation of volunteers in an IMT. An electronic ID card system in particular, will ensure greater visibility of the number and location of volunteers, thereby informing decisions around the provision of food and fatigue management.

The Chair of the SEMC acknowledged that volunteers find the paper based system of logging in and out frustrating, and expressed the view that the State has a responsibility to improve the way this is managed.[37]

Opportunity 16: The Departments of Fire and Emergency Services (and, when established, the Rural Fire Service), and the Volunteer Associations to develop fatigue management guidelines for emergency service volunteers.

Opportunity 17: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service), to measure and report annually on the volunteer fire and emergency service worker contribution.

Retired firefighting vehicles

The Special Inquiry understands that CBFCOs are expected to provide their own vehicles for their role, with reimbursement from the Shire for fuel expenses.

This is problematic as vehicles may not have the appropriate markings to travel as an emergency vehicle, meaning that they need to adhere to speed limits and other traffic rules when in an emergency situation.

Given the turnover of DFES vehicles, it is proposed that CBFCOs and landowners as part of brigades, be given preference in purchasing vehicles.

> *The reality is that a lot of those trucks do very, very few kilometres in their 20 to 30 year lifetime and they're a resource which is probably under-utilised.*[38]

[36] Western Australian Auditor General, *Support and Preparedness of Fire and Emergency Services Volunteers*, 2015, p. 5
[37] Edwards, F., Hearing, 30 March 2016
[38] WA Farmers, Hearing, 17 March 2016

Assisting landowners to purchase retired firefighting vehicles would increase community resilience, enable greater participation in volunteer brigades and ensure there was a larger number of resources to call upon during a bushfire incident.

Opportunity 18: The Department of Fire and Emergency Services (and, when established, the Rural Fire Service) and in consultation with the Association of Bush Fire Brigade Volunteers, to review the policy for disposal of 'retired' firefighting vehicles to first make disposed vehicles available to landowners who are sponsored by the local Brigade. Such vehicles to be subject to a limited decommissioning process.

Industrial Relations issues in rural fire management

Department of Parks and Wildlife Employee Fatigue Management

The Special Inquiry received submissions and heard evidence from the two industrial bodies that cover P&W: the Community and Public Sector Union covering public servants, and the Australian Workers Union covering the technical workforce. Both industrial bodies put forward the need to consider employing more P&W fire management personnel on the basis of concerns about fatigue management.

The Special Inquiry was impressed with the quality of responses from these two industrial bodies when they were asked to provide evidence supporting their claims.

It is not the intention of this Special Inquiry to make specific recommendations about the P&W workforce. Notwithstanding this, there was concerning evidence presented to the Special Inquiry which indicates that during the initial attack phase of a developing fire, P&W staff and crews are regularly expected to be working up to, and in some cases over 24 hours. The Special Inquiry also heard that a combination of firefighting, standby and commitment to hazard reduction burns, some which require significant out of area travel, has resulted in some employees having no days "off" (call, duty, work) for many weeks.

With the expectation that P&W will be undertaking more hazard reduction burning into the future, and that these operations are likely to extend into late autumn and early winter, there is a need to ensure fatigue levels are recorded and monitored and a more strategic approach adopted.

Opportunity 19: The Department of Parks and Wildlife, in consultation with their workforce and the Community and Public Sector Union (CPSU) and the Australian Workers Union (AWU), to carry out a workforce workload analysis of its fire program (covered by both the CPSU and the AWU workforce). The analysis to have a particular emphasis on the management of workload fatigue in employees involved in the fire program.

Fire and Rescue Career staff

Fire and Rescue career staff are covered by industrial agreements between DFES and the United Firefighters Union of WA (UFU). These arrangements require strict adherence to maintenance of sufficient staff to operate career fire stations in the Perth metropolitan area and in a number of regional locations. The nature of this industrial agreement presents some challenges when using these staff in major bushfires or other incidents.

The Special Inquiry considers that there is potential to further integrate Fire and Rescue staff into rural operations and P&W hazard reduction burning. This should be a consideration at the next negotiation of their enterprise agreement.

There may also be a case for more firefighters overall. The UFU has proposed that due to the changing climate; increasing vulnerability in the rural-urban interface and a growth in Perth's population, more career firefighters are necessary. The UFU's submission used an urban response time to justify this view.

It is the view of the Special Inquiry that it is more likely that these would be forest firefighters under P&W or under a rural fire body and more volunteers, rather than more firefighters in Fire and Rescue brigades. On the evidence available (from DFES Annual Reports) it appears that the number of structure fires is declining and that initial response times are largely at or within the Standards of Fire Cover.

The Special Inquiry notes that urban response time is a poor measure of rural fire performance. The Australasian Fire and Emergency Services Authorities Council (AFAC) has recently proposed new measures of effectiveness in both rural and urban fire contexts. Such measures focus on performance outcomes rather than inputs and outputs. It would be worth DFES building these measures into their performance reporting.

Notwithstanding this, there is merit in assessing career pathways for urban firefighters into rural fire management roles. This includes greater utilisation of Career Fire Rescue personnel in P&W prescribed burn planning teams.

Further, it may be instructive to evaluate Enterprise Agreements in use interstate to see whether greater flexibility of the Career Fire Rescue workforce might be achieved in prescribed burn operations and during periods of major emergency or extended incidents.

Opportunity 20: The Department of Fire and Emergency services to investigate, with the United Firefighters Union, an 'emergency roster' arrangement that enables the temporary adoption of extended firefighter shift arrangements to enable more career firefighters to be made available for duty during significant emergencies.

The Volunteer Voice

Relationship between the Department of Fire and Emergency Services and Volunteers

The Special Inquiry has received written and oral submissions that recognise the very high quality of skills in the career Fire and Rescue staff. Many people observed that these firefighters are highly trained and experienced in urban fires and emergencies.

It has already been noted that when these staff are deployed outside the metropolitan area, there are some challenges. These are covered in more detail throughout this Chapter.

The Special Inquiry is deeply concerned however about the relationship between Bush Fire volunteers and DFES. One submission to the Special Inquiry observed that "the trust between Bush Fire Brigades and DFES it at its lowest ebb ever."[39]

[39] Fire For Life submission, 25 February 2016

Another submission asserted that volunteers in regional areas "do not have any confidence in DFES administratively or operationally".[40]

This lack of trust and confidence raises questions about the ability of volunteers to effectively advocate their views to or within DFES.

In accordance with section 25 of the *Fire and Emergency Services Act 1998*, Volunteer Advisory Committees (VACs) can be established, reporting either to the Minister, the Fire and Emergency Services Commissioner, or both on any issue that may impact the operation or administration of their particular volunteer service.

The Special Inquiry is not aware of the Bush Fire Services VAC having met, but understands that there was a call for nominations in February 2016. In his report, the Auditor General also noted that Bush Fire Services does not yet have an operational VAC, despite VACs for other services being established in mid-2014.[41]

The Bush Fire Services VAC has been a contested issue between the Association of Volunteer Bush Fire Brigades (AVBFB) and the Government (the Minister for Emergency Services and the Fire and Emergency Services, in particular). The AVBFB would like to see the VAC utilised as a way of representing volunteer views to the Minister, and is disappointed by its understanding that the VAC for bushfire volunteers will report to the FES Commissioner only:

> *(the VAC) for us demonstrates a culture that we hear regularly about… the perception of bullying and intimidation of people into submission. And to me, that's a classic example of that culture that's in the department that we, as volunteers, don't believe is in the interest of volunteerism.*[42]

By contrast, several witnesses before the Special Inquiry spoke highly of the former Bushfires Board, which was a predecessor to the VAC system.

> *You actually got to talk to people within the structure and they assimilated very well with the people on the ground, the local governments especially and provided great, great support to local governments.*[43]

Opportunity 21: The Department of Fire and Emergency Services (and when established, the Rural Fire Service) to implement (and act on) a volunteer emergency service worker consultation framework to promote effective and meaningful ongoing consultation with fire and emergency services volunteers on matters that affect volunteer systems of work, equipment and health, welfare and safety.

[40] Submission of Jim McNamara, 29 March 2016
[41] Western Australian Auditor General, *Support and Preparedness of Fire and Emergency Services Volunteers*, 2015, p. 17
[42] Association of Volunteer Bush Fire Brigades WA Inc., Hearing, 31 March 2016
[43] Association of Volunteer Bush Fire Brigades WA Inc., Hearing, 31 March 2016

Relationship between the United Firefighters Union and Volunteers

The Special Inquiry is further concerned about the attitude of the UFU towards bushfire volunteers. The Special Inquiry understands that the UFU issued a Circular to its members in December 2015 that asserted, amongst other things:

- Union members should prioritise the safety of fellow Union members above other personnel in an IMT; and
- Union members should only take direction from Fire and Rescue Service members, irrespective of the positions under the AIIMS structure.

Whilst the Special Inquiry did not receive specific evidence that this Circular adversely impacted the operations of the IMT during the Waroona fire, sufficient evidence was received to indicate that the directions in the Circular are consistent with the general perception of Union attitudes towards volunteers.

> *I've been told that they're not allowed to take orders from volunteers. Their union has said that… and their station officers become sector commanders and tell the volunteers what to do, which causes a lot of anxiety amongst volunteers"*[44]

> *"It has also been reported that they (the UFU) have also made a number of proclamations during the past two fire seasons that career staff should not take orders from volunteer firefighters, and I have personally experienced career FRS firefighters refusing to take instruction from suitably qualified volunteer BFB sector commanders at fires.*[45]

The Special Inquiry acknowledges that the UFU's concerns with respect to volunteers in IMTs relate to the difficulty in ascertaining their competency and training, rather than a lack of general support for the utility of volunteers. Nonetheless, it is evident that bushfire volunteers face difficulties operating in the current environment. This must be borne in mind in any consideration of an appropriate service delivery for rural fire management, discussed below.

Relationship between the Department of Parks and Wildlife and Volunteers

The Special Inquiry understands that the relationship between Bush Fire Brigades and P&W is generally positive, and has improved as the Department has made significant efforts to address shortcomings identified in earlier reports.

> *There used to be some elements of conflict in the past but they've – the department listened to what the community was saying and the brought in what they call a good neighbour policy…they're working with the community.*[46]

Many volunteers indicated that they would much prefer an alignment to P&W than to DFES.

The Special Inquiry has discussed with P&W the merits of P&W depot work centres becoming "Industrial Bush Fire Brigades" of DFES. Such an arrangement works well in

[44] Twaddle, J., Hearing, 4 March 2016
[45] Name withheld
[46] Association of Volunteer Bushfire Brigades WA Inc., Hearing, 31 March 2016

South Australia. After discussion with P&W senior officers and consideration of the merits and disadvantages of such an arrangement, the Special Inquiry is satisfied that such an arrangement is not right for now in Western Australia. The matter may be worthy of reconsideration at a later time.

Opportunity 22: The Departments of Fire and Emergency Services and Parks and Wildlife, (and when established, the Rural Fire Service), in consultation with relevant stakeholders including the Public Sector Commission and the Volunteer Associations, to conduct (and act on) an annual culture survey amongst paid and career staff and volunteer emergency service workers.

A Rural Fire Service for Western Australia

> *DFES is a failure. It has attempted to impose an inappropriate suppression-only approach to rural fire management, it has failed to address the fuel buildup problem, and it has antagonised volunteer bush firefighters. We need a rural fire management to be in the hands of people who know what they are doing and who have no other agendas.*[47]

Across both the written and oral submissions, the systemic issue most commonly raised by stakeholders was the need for a rural fire service in Western Australia. The Special Inquiry is of the view that the creation of such a service would assist in addressing the deficiencies in rural fire capability in this State, discussed in this chapter.

The Culture, Approach and Methodology of Rural Fire Management

The Special Inquiry read and heard many people who referred to differences in "culture". It is relevant to make some observations on this subject.

Rural firefighting in Western Australia, (as has been the case in most of Australia) has evolved out of necessity. Bushfire risk is endemic to the Australian climate and vegetation. Fire is a part of the natural environment, with the traditional owners applying (even mastering) the use of fire for hunting and gathering.

European settlement in the bush saw a greater number of people becoming vulnerable to bush fires. The early efforts at rural firefighting were community based. The motivation was to put out fires on your neighbour's property before they threaten your property and other neighbours.

Following the Second World War ex-servicemen returned to the land, but with a higher understanding of the need for coordination and organisation of rural firefighting resources. Across the country, to varying degrees and in different ways, systems of organised rural firefighting emerged. The essential elements of these systems were:

- arrangements were developed and implemented by local leaders;
- common goals, values and priorities were accepted;
- resource allocation matched the risk;

[47] Submission of member of the public, 4 March 2016

- local decision makers and leaders were empowered (eg: legislation); and
- communication systems were established to enable operational command and control of resources.

Over the years, even though the common goal between rural and urban fire services is prevention and suppression, there have been quite differences in approach and methodology adopted. The table following attempts to describe these differences in approach as two ends on a continuous spectrum each suited to the context in which they operate. Table 15.2 extends the "approach and methodology" concept to styles of command, control and coordination.

Rural approach and methodology	**Urban approach and methodology**
Community volunteer ethos	Paid career staff ethos
Country / rural base	City / urban base
Decentralised leaders with a "distributed leadership" approach	Centrally led. Centralised decision making
Leaders elected from community based on demonstrated competence and experience	Career staff attain rank based on formal competency assessments and experience in urban fire
Command by position	Command authority by rank
Fire prevention seen as integral to the role	Tendency for a "suppression" focus
Emphasis on local planning, simplicity of procedures and decentralised administration	Emphasis on central planning, standardised procedures and centralised administration
Doctrine recognises the need for initiative, diversity and flexibility	Doctrine is risk averse and tendency to be a rigid approach
Understanding the needs of the rural land owner land manager	Understanding of needs of building owner
Comfortable engaging multiple agencies and Departments in response	Operates with few other agencies
Tendency to being values and principles based	Tendency to prescription – "rules based"
Do what works	Do what I am told

Table 15.2: Rural and urban approach and methodology

There are distinct differences between the Bush Fire Brigade approach and methodology compared to that of career Fire and Rescue brigades, and these presently exist in Western Australia:

> *One is based on "Command and Control" versus the other which is based on "Trust and Respect", this cultural difference will always be there, and it is noted that there are separate services around Australia that work more efficiently that the current model in Western Australia.*[48]

[48] Association of Volunteer Bushfire Brigades WA Inc. Submission, 16 March 2016

It is through understanding these differences that relationships can be improved and a common culture evolve. This will take time.

A Structure to Meet Future Needs

The Special Inquiry, when considering the structure of rural fire management was of the view that the focus should be less on the current environment but more about readying the organisation (and the State) for the expectation of future vulnerability. There is little value in organising "for the last war". How do we create an organisation that will maximise our readiness for the next extreme event? How do we prepare for something that might be beyond our imagination?

The focus must be on using foresight and imagination to anticipate what the future risks and possibilities might be, and what organisational structure might best fit that future.

In his submission to the 2009 Victorian Bushfires Royal Commission, Mr Herman ("Dutch") B. Leonard, a crisis management academic from the John F Kennedy School of Government and Harvard Business School, discusses the relative merits of centralised versus decentralised control.[49] Mr Leonard recognises the "largely decentralised function" of wildland (rural) firefighting with "… self-reliance a key virtue and distributed capability and training a key performance requirement."[50]

Leonard goes on to consider the evolution of new technologies that have led to the growth of more centralised functions and organisations in firefighting. Leonard says that: "The fact that we might be able to use new technologies to create centralized command and direction of extreme fire events does not, however, necessarily imply that it would be a good idea to do so. These technologies could just as easily be used to provide greater coordination and support…"[51]

Leonard suggest that, in organising for extreme events, "… the defining characteristic is the necessity for improvisation. … Effective leadership in such situations will require creative improvised actions to cope as well as is reasonably possible with an event for which there is no full precedent, and for which there is therefore, no fully developed action script."[52]

Leonard suggests that, whilst there is no definitive answer, decentralization "…tends to offer significant advantages in such situations."[53] He says that a centralised team (because decision making has not been delegated) is vulnerable to being "buried under the flow of variable problems coming to it for resolution,"[54] and is therefore subject to system overload. Leonard warns against a dangerous tendency to imagine the upside of more central command and control and to forget the likely downside.

[49] Leonard, H., *Organizing Response to Extreme Emergencies: A Submission to the Victorian Bushfires Royal Commission*, 25 April 2010, https://amsa.gov.au/forms-and-publications/environment/publications/NP-Reports/documents/Leonard_2010%20Bushfires%20Testimony.pdf
[50] Ibid., p 3
[51] Ibid
[52] Ibid., p 5
[53] Ibid., p 6
[54] Ibid

He suggests that an effective organisation might demonstrate the following features:

- forward leaning with authorisation to operate locally;
- the ability to request resources;
- a central oversight organisation with a coordination and support focus;
- trained local leaders;
- local leaders empowered to respond effectively without having to await guidance; and
- distributed teams.

Leonard's observations are considered very relevant in the Special Inquiry's analysis of options for the future structure for rural fire management in Western Australia.

Why consider a Rural Fire Service?

It is the view of the Special Inquiry that the capability of the current system that leads and administers the delivery of rural fire services - particularly bushfire prevention and suppression - in Western Australia is deficient. This questions the adequacy of the current capability and organisational arrangements for a hotter, drier future. These capability deficiencies cannot be remedied by one policy change, or project, or Special Inquiry recommendation. Rather, the *management* of rural fire capability needs to be reframed. The most effective way of doing this is to create a dedicated service that can drive changes in methodology, governance, resourcing, capability and focus.

The new rural fire management framework, driven by the Rural Fire Service, will deliver the following outcomes to the community:

- consolidate the current rural fire capability: people, training, equipment and doctrine;
- identify gaps, set appropriate and tailored targets, and provide the basis for an enhanced service delivery to the community of Western Australia in the future;
- enhance the priority given to preparedness, mitigation and community capacity building, and ensure that priority is reflected in policy, targets and resourcing;
- engage and empower local communities through regionally based offices, inclusive policy development and adaptable approaches; and
- specifically acknowledge and foster the expertise of emergency services volunteers.

The Special Inquiry proposes that capability building needs to be phased. Whatever form a Rural Fire Service might take, it is important that a 2 year review is factored into the arrangement. Depending on the progress and success of the capability building, there may be triggers to consider a step to re-enter to DFES or a continuation of the arrangement.

Structure for a New Rural Fire Service

Much of the evidence provided to the Special Inquiry which related to the creation of a new Rural Fire Service was detailed in its consideration of different governance structures. Whilst there appears to be general consensus as to the need to reinvigorate the delivery of rural fire services in the State, the point of difference relates primarily to whether this structure should be as a new Department; formed as a division within DFES; or be in another form.

Whilst there are clear benefits to centralised and coordinated command in an urban context, an agency delivering a service to the regional areas needs to be able to sufficiently engage with the community. It is also essential that the Rural Fire Service created covers all aspects of rural fire management, including prevention, preparedness, response and recovery, in a way that engages local communities and that has the full range of necessary powers and responsibilities.

Structure: different views

The AVBFB expressed the view that as a consequence of having a centralised single agency in DFES, the community has become completely disconnected from the decision making process.[55] The AVBFB therefore advocate for the creation of an independent agency focussed on rural fire at the local level "to ensure local government and their communities are resourced, supported and empowered."[56]

The Bush Fire Front also strongly advocate for the need for a separate structure focussed on rural fire management:

> *We also believe there is a serious problem with having rural bushfire operations in the hands of what is essentially a metropolitan fire brigade. And we would like to see the creation of a rural fire service, which is operating independently of the Department of Fire and Emergency Services and is concerned basically with bushfire management in rural and semi rural areas.*[57]

The UFU expressed concern at the possible creation of a dedicated Government department to rural fire:

> *we believe the creation of yet another Government department or agency will not effectively deliver the resources that are required, particularly in regional Western Australia and on the periphery of the Perth metropolitan area.*[58]

The FES Commissioner explicitly expressed to the Special Inquiry that he would not support the creation of another Government department or structure outside of DFES. Rather, the FES Commissioner is of the view that DFES should remain as the single agency with responsibility for fire, and that there be a division within dedicated to rural fire. The FES Commissioner explained:

> *One possible option is where a rural fire command is established within the Department of Fire and Emergency Services because I believe that is one option that would allow you to leverage off the benefits of unification, standardisation and also not break that nexus between the Department of Fire and Emergency Services and local government.*[59]

[55] Association of Volunteer Bushfire Brigades WA Inc., Hearing, 31 March 2016
[56] Association of Volunteer Bushfire Brigades WA Inc. Submission, 16 March 2016
[57] Bushfire Front Inc., Hearing, 11 March 2016
[58] United Firefighters Union of Australia, West Australia Branch, Hearing, 24 March 2016
[59] Gregson, W., Hearing, 6 April 2016

The Western Australia Volunteer Fire and Rescue Services Association suggested strengthening the rural fire capabilities within DFES, via the expansion of the Country Operations section, would deliver a "faster and more cost effective overall solution".[60]

Structure: the Special Inquiry's view

It is the view of the Special Inquiry that the needs of the community will best be met by the creation of a Rural Fire Service as an entity separate to DFES, working collaboratively with all relevant Departments and stakeholders. To avoid any unnecessary duplication of services, the department could utilise the administrative and corporate services of an existing Government Department.

Whilst the creation of a new Government Department may be the first option to arise in any discussion of a new fire service, the Special Inquiry acknowledges that it may not be the most effective way to deliver the outcomes intended. A number of unintended consequences may arise from the creation of a new Government Department, including:

- a new Department of itself will not address any 'siloing' that already occurs in fire management, and may lead to a worsening in this situation;
- there are high costs associated with establishing a new Department, and services (particularly corporate services) may be unnecessarily duplicated; and
- there will still be a need to address firefighting on the rural urban fringe which would not fit neatly within a separate new Department focussed on rural fire.

Therefore, as an alternative, the Rural Fire Service could be established as a sub-department of DFES, with its own budgetary allocation and ability to exercise its own powers and responsibilities separate to the head department (in this instance, DFES).

The creation of a service sitting wholly within the structure of DFES is also not recommended by the Special Inquiry. As outlined in this Chapter, DFES has not demonstrated a sufficient capability to manage rural fire, and as an agency adopts methodology and approaches which are unsuited to the rural fire context. It is also a unionised environment, and does not sufficiently involve or utilise volunteer bush fire brigades, which are the backbone of rural fire management.

The Special Inquiry is of the view that ultimately the exact form of the Rural Fire Service should be a matter for Government to determine. However, it must achieve the intended outcome: the enhancement of the capability for all aspects of rural fire management and bushfire risk management at a State, regional and local level.

In the Special Inquiry's view, it is difficult to envisage a structure within DFES, other than a sub-department acting with relative autonomy and independence that can deliver rural fire services across the spectrum of prevention, preparedness and response in a more effective way than is currently the case.

Following the establishment of the Rural Fire Service, as either a separate entity to DFES or a sub-department of DFES, the Special Inquiry further recommends that its structure and

[60] WA Volunteer Fire and Rescue Services Association (Inc), submission, 10 March 2016

operations be reviewed within two years, to ensure that the intended outcomes identified by this Special Inquiry are being achieved.

Recommendation 15: The State Government to create a Rural Fire Service to enhance the capability for rural fire management and bushfire risk management at a State, regional and local level. The proposed Rural Fire Service will:

- be established as a separate entity from the Department of Fire and Emergency Services or, alternatively, be established as a sub-department of the Department of Fire and Emergency Services;
- have an independent budget;
- be able to employ staff;
- have a leadership structure which, to the greatest degree possible, is regionally based and runs the entity;
- be led by a Chief Officer who reports to the responsible Minister on policy and administrative matters; and to the Commissioner for Fire and Emergency Services during operational and emergency response;
- have responsibilities and powers relating to bushfire prevention, preparedness and response; and
- operate collaboratively with the Department of Fire and Emergency Services, the Department of Parks and Wildlife, Local Government and volunteer Bush Fire Brigades.

In creating the Rural Fire Service, the State Government to consider whether back office and corporate support services could be effectively provided by an existing Department, such as the Department of Fire and Emergency Services or the Department of Parks and Wildlife.

The State Government to review the creation of the Rural Fire Service two years after its establishment, to assess whether its structure and operations are achieving the intended outcome.

The Rural Fire Management Framework

The proposed Rural Fire Service will sit within a new Rural Fire Framework, guided by overarching bushfire policy developed in a collaborative manner. The regional focus will empower local communities, and ensure policies and training addresses local needs.

There will also be a need to ensure rural fire services are adequately and sufficiently resourced and funded on establishment, and into future.

Relationship with Local Governments

Importantly, the creation of a rural fire service is not intended to disempower local governments with respect to their responsibilities for managing Bush Fire Brigades.

Following a trial conducted in 2013, four local governments in the Kimberley region of Western Australia have transferred control for Bush Fire Brigades to DFES. The Special Inquiry does not view this as indicative that all local governments may wish to do the same, and it is satisfied that the current legislative arrangement, which enables local governments who do wish to transfer control for Bushfire Brigades to do so, is appropriate.

The Special Inquiry concurs with the view expressed by the AVBFB:

> *It's important that the local cultures and behaviours are reflected in the – in the structures, because what happens in – in the Kimberley is different to what happens in Esperance, different to what happens in Perth.*[61]

Further, it is essential that the relationship between local governments and volunteers is retained:

> *We as Bush Fire Brigade… firefighters feel that we've been totally let down by the Government, by DFES and we're treated like second class citizens… it's the Shire – the Harvey Shire back the brigade in so many ways.*[62]

The Special Inquiry notes that in New South Wales there is a continuing effective relationship between the New South Wales Rural Fire Service and local governments. Councils own the buildings, appliances and infrastructure. In the early 2000s council bushfire staff transitioned to the Rural Fire Service. The two organisations are linked by fire prevention and bushfire coordination committees.

The Special Inquiry is satisfied that a new Rural Fire Service with a leadership structure of persons with a background in rural fire management, and officers of all levels based in regions as much as possible, will be able to develop and maintain strong working relationships with local governments.

Rural Training Facility

Within the rural fire management framework, all career and volunteer firefighters should have adequate skills in the prevention and suppression of rural fires, and have opportunities for advancement available to them. It is the view of the Special Inquiry that this will be achieved through the creation of a Western Australian Centre for Rural Fire Excellence.

Such a facility would include teachings in hazard reduction burns, addressing the following proposition suggested by the Bush Fire Front:

> *We think there is an important need in Western Australia to set up a property training facility, which we've called the Centre for Excellence in Fuel Reduction Burning, which will provide training to Government officers, local government, to brigades and to members of the public and landowners and how – the understanding of bushfire science, how to plan and how to safely conduct a fuel reduction burn which will do the job of fuel reduction without posing additional risks to the community.*[63]

Opportunity 23: When established, the Rural Fire Service, in conjunction with the Departments of Parks and Wildlife and Fire and Emergency Services, to establish a Western Australian Centre for Excellence in Rural and Forest Fire Management. The Centre to include a networked capability for research, planned burning, lessons learned and facilitating training for rural firefighters, especially for members of volunteer Brigades

[61] Association of Volunteer Bushfire Brigades WA Inc., Hearing, 31 March 2016
[62] Lawrence, R., Hearing, 4 March 2016
[63] Bush Fire Front Inc., Hearing, 11 March 2016

Lack of Statewide Bushfire policy

As noted in Chapter 7, fuel management and prevention is currently undertaken in a disparate manner. Whilst the Bushfire Risk Management Planning Process will go some way to address this, there remains a policy vacuum with respect to State level targets and priorities for fuel management and prevention.

The development of Statewide policies pertaining to bushfire risk management will guide the direction of all agencies, and particularly assist the proposed Rural Fire Service in ensuring that it can focus on the delivery of localised services.

Wide stakeholder engagement would be necessary in the development of the Statewide Policy, and it would also need to be informed by the risk management work currently undertaken by the SEMC Secretariat and OBRM.

Recommendation 16: The State Emergency Management Committee to establish a State Bushfire Coordinating Committee as a sub-committee of SEMC. The State Bushfire Coordinating Committee will be chaired by the Director of the Office of Bushfire Risk Management and will have the primary responsibility to:

- develop a State Bushfire Management Policy and a set of long term bushfire risk management objectives;
- provide a forum for key bushfire risk management stakeholder agencies;
- advise the SEMC on matters pertaining to bushfire, in particular, to report against the investment in, and achievement of the bushfire risk management objectives;
- provide advice and support to the proposed Chief Officer of the Rural Fire Service on bushfire risk management matters; and
- teport to SEMC and to the community on bushfire risk management matters on at least an annual basis.

Emergency Services Levy

As noted in Chapter 5, many submissions to the Special Inquiry raised concerns with the administration of the Emergency Services Levy (ESL). Indeed the AVBFB expressed the view that DFES are disempowering local governments through the administration of the ESL[64].

In light of the structural changes proposed by the Special Inquiry, it is considered appropriate for Government to review the funding arrangements to ensure an equitable and efficient distribution of funds between agencies with responsibilities in emergency management. The proposed Rural Fire Service is to be included in this consideration.

It is also considered appropriate to review the ESL within the context of a greater proportion of funds being directed towards prevention and preparedness activities than is currently the case.

[64] Association of Volunteer Bushfire Brigades WA Inc., Hearing, 31 March 2016

As discussed in Chapter 5, the review of the ESL was the subject of recommendation in the Perth Hills Report. In reporting on the implementation of these recommendations to the BRIG and then SEMC, the view has been taken that this recommendation has been sufficiently addressed.

The Special Inquiry is of the view that the consideration of this Recommendation was not effective, and that an independent review encompassing a broad range of stakeholders, in the context of the establishment of a Rural Fire Service, and a greater emphasis on bushfire prevention and mitigation, is now necessary.

Recommendation 17: The Department of Premier and Cabinet to conduct an independent review of the current arrangement for the management and distribution of the Emergency Services Levy. The review will have the specific purpose of:

- seeking input from key entities including the Departments of Treasury, Finance, Fire and Emergency Services, Lands, and Parks and Wildlife, WA Local Government Association, and the Office of Bushfire Risk Management;
- ensuring the arrangement has the flexibility and agility to deal with emerging bushfire risk priorities; and
- establishing a budget process that enables a shift in investment towards prevention, mitigation and building community resilience and capability.

Chapter Sixteen – Concluding Comments

It is tempting to describe the Waroona fire as an "out of scale" fire. Witnesses, including experienced fire managers, have described the intensity of the fire and the capricious nature of its impact. For the first three days, there were long periods where the fire was unstoppable because of its fury. This Report is testament to the complexity of organising to warn the community, fight the flames and manage the response. Without doubt, aspects of this fire and its impact have been extreme.

But there is a caution here. Labelling the fire as an "out of scale" event should not be either an excuse or an explanation for any shortcomings that occurred. Is it not part of the role of fire and emergency managers to anticipate, plan and be ready for extreme and "out of scale" events? The adequacy of the emergency management system should not be judged just on its performance against "the last fire". When plans have an over-reliance on what happened in the past, the risk is that one misses the potential for a future that is different, unseen, and unimaginable. Hindsight, learning the lessons of the past, is necessary, but planning should be driven also by imagination and foresight. Are we planning for the next fire? Or are we planning for the next "firestorm"? What do we think that will look like? In this setting, the greatest failure may well be the failure to imagine.

Planning for an unknown future may make us – all of us – feel uncomfortable, even uneasy. Fostering a sense of wariness is not necessarily a bad thing. We all need to be driven by a future that is volatile, uncertain, complex and ambiguous. If everyone feels uncomfortable, then there is less chance of complacency.

At the centre of all this is the community. If individual citizens, families, neighbourhoods and interest groups strive for understanding, self-reliance and empowerment, then they will develop social capacity and cohesion to cope better by themselves. Over time, shared responsibility shifts to shared resilience. The role of agencies shifts away from an over-reliance on response to a role that emphasises prevention, empowerment through information and facilitating a community that is ready.

This calls for a shift in thinking and a reframing of the way in which rural fire is managed in the State. Traditional doctrine and rigid structures that may have worked well in the past need to be challenged. In this setting, it would seem that the characteristics that are more likely to be effective in "out of scale" events will include:

- an emphasis on distributed leadership;
- connected and empowered communities;
- a culture of enquiry and imagination;
- flexibility, agility and adaptiveness for an uncertain future;
- thinking and acting with humility.

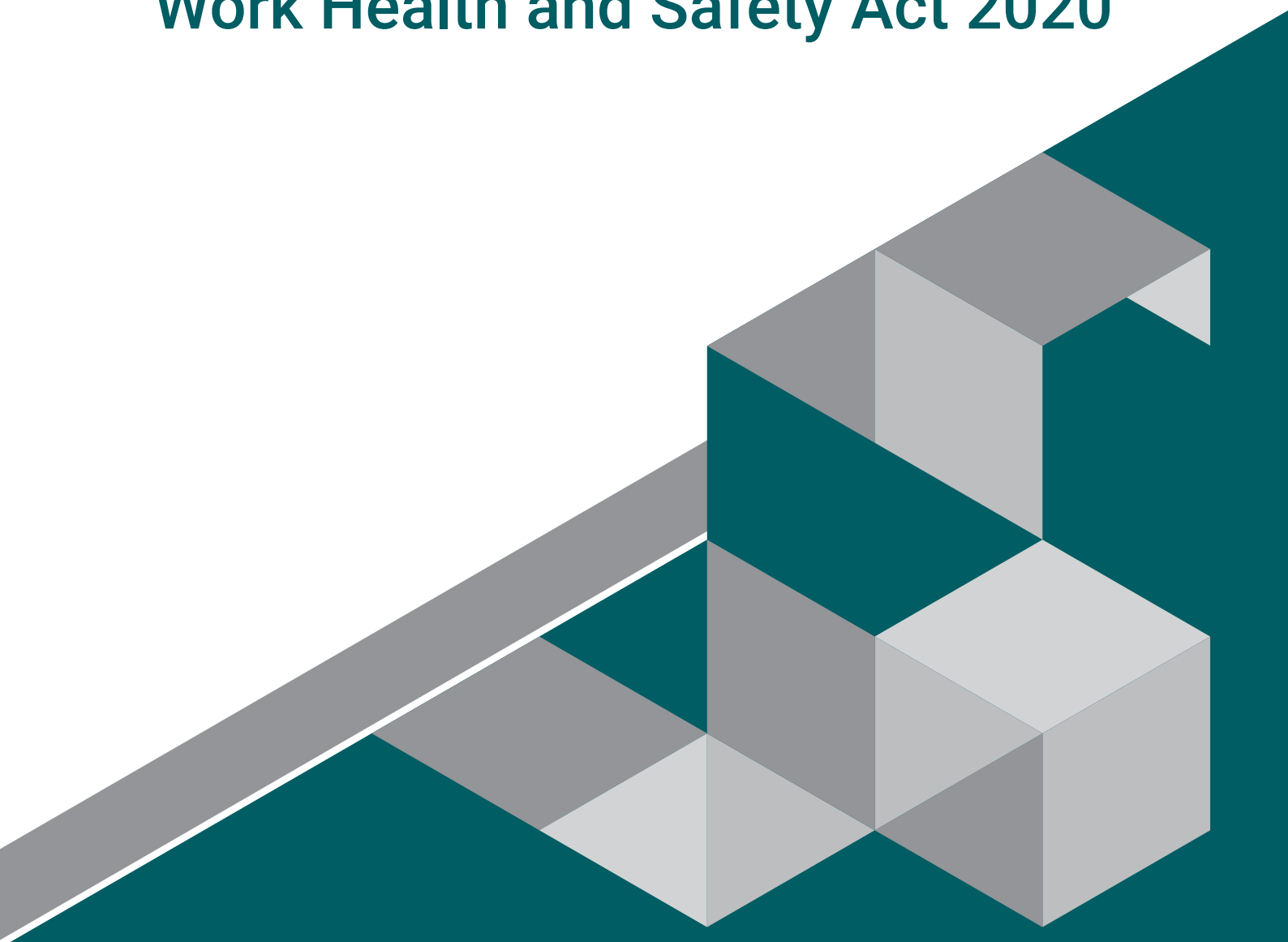
The future is, collectively, in our hands.

Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

WorkSafe
Western Australia

Overview of

Western Australia's Work Health and Safety Act 2020



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Introduction

On 12 July 2017, the Premier announced that work would commence to develop modernised work health and safety (WHS) laws for Western Australia.

Western Australia's *Work Health and Safety Act 2020* (WHS Act) was passed by Parliament on 3 November 2020 and assented to by the Governor on 10 November 2020.

When implemented in 2022, all Western Australian workplaces will come under this single Act, which will replace the following legislation:

- *Occupational Safety and Health Act 1984*
- the work health and safety elements of the following Acts, covering mining and petroleum
  - *Mines Safety and Inspection Act 1994*
  - *Petroleum and Geothermal Energy Resources Act 1967*
  - *Petroleum (Submerged Lands) Act 1982*
  - *Petroleum Pipelines Act 1969*.

The new laws are largely based on the national model WHS Act used in other states and territories (except Victoria), so companies will have similar obligations and requirements across Australia.

Transitional arrangements will provide sufficient time for duty holders to adapt their safe systems of work to the new requirements.

Note: Levies to cover the cost of regulating health and safety will continue to be collected and used for these purposes, under the Mines Safety and Inspection Act 1994 and the Petroleum and Geothermal Energy Safety Levies Act 2011, and supporting regulations.

Format of the WHS Act

Some sections of the model WHS Act were tailored for Western Australia following extensive consultation. Where possible, the new laws align with the Part, Division and section numbers of the model WHS Act, with the term 'Not used' replacing any clauses that do not apply in Western Australia.

Other changes include terminology and areas of the model WHS Act that intersect with non-WHS laws, such as industrial relations legislation.

To guide interpretation of some segments of the Act, Parliament has included 'Notes for this section' at various points.

The Act comprises 16 parts with further Divisions and subsections.

Overview of the WHS legislation

The WHS Act covers all workplaces within the natural jurisdiction of Western Australia, including mines, petroleum and geothermal energy operations. There are a number of exceptions where other legislation applies.

Some of the differences include:

- major hazard facilities and dangerous goods storage and handling will continue to be regulated separately under the *Dangerous Goods Safety Act 2004*
- petroleum and geothermal energy operations are included in the WHS Act, supported by a dedicated set of regulations.

Note: Commonwealth Government workers and some self-insured licensees are covered by Comcare under the Work Health and Safety Act 2011 (Cth). Comcare is responsible for workplace safety, rehabilitation and compensation in the Commonwealth jurisdiction, and is a federal statutory authority.

The WHS Act will be supported by three sets of regulations:

- Work Health and Safety (General) Regulations – applies to all workplaces except those covered by the other two sets of regulations [WHS General Regulations]
- Work Health and Safety (Mines) Regulations – applies to mining and mineral exploration operations [WHS Mines Regulations]
- Work Health and Safety (Petroleum and Geothermal Energy Operations) Regulations – applies to onshore and offshore petroleum, pipeline and geothermal energy operations [WHS PAGEO Regulations].

The WorkSafe Commissioner, an independent statutory office reporting directly to the Minister for Industrial Relations, will be responsible for performing the functions and exercising the powers of the regulator under the WHS Act.

The Department of Mines, Industry Regulation and Safety will assist the regulator in the administration of the WHS Act, including the provision of inspectors and other staff to secure compliance with the legislation.

Key features of the WHS Act

- The primary duty holder is the 'person conducting a business or undertaking' (PCBU) which is intended to capture a broader range of contemporary workplace relationships.
- A primary duty of care requiring PCBUs to, so far as is reasonably practicable, ensure the health and safety of workers and others who may be affected by the carrying out of work.
- Duties of care for persons who influence the way work is carried out, as well as the integrity of products used for work, including the providers of WHS services.
- A requirement that 'officers' exercise 'due diligence' to ensure compliance.
- The new offence of industrial manslaughter, which provides substantial penalties for PCBUs where a failure to comply with a WHS duty causes the death of an individual, in circumstances where the PCBU knew the conduct could cause death or serious harm.
- The voiding of insurance coverage for WHS penalties, and imposition of penalties for providing or purchasing this insurance.
- The introduction of WHS undertakings, which are enforceable, as an alternative to prosecution.
- Reporting requirements for 'notifiable incidents' such as the serious illness, injury or death of persons and dangerous incidents arising out of the conduct of a business or undertaking.
- A framework to establish a general scheme for authorisations such as licences, permits and registrations (for example, for persons engaged in high risk work or users of certain plant or substances), including provisions for automated authorisations.

- Provision for consultation on WHS matters, participation and representation.
- Provision for the resolution of WHS issues.
- Protection against discrimination for those who exercise or perform or seek to exercise or perform powers, functions or rights under the Act.
- Provision for enforcement and compliance, including a compliance role for WHS inspectors.
- Establishment of Western Australia's peak tripartite consultative bodies:
  - Work Health and Safety Commission (WHSC), replacing the Commission for Occupational Safety and Health (COSH)
  - Mining and Petroleum Advisory Committee (MAPAC), replacing the Mining Industry Advisory Committee (MIAC), which covered mining only.

The WHS Act and its purpose (sections 1-3)

The formal title of the Act is the *Work Health and Safety Act 2020*.

The WHS Act and accompanying regulations will commence in March 2022.

The WHS Act provides a framework to protect the health, safety and welfare of workers in Western Australian workplaces, and of other people who might be affected by the work.

The WHS Act aims to:

- protect the health and safety of workers and other people by eliminating or minimising risks arising from work or workplaces
- ensure fair and effective representation, consultation and cooperation to address and resolve health and safety issues in the workplace
- encourage unions and employer organisations to take a constructive role in improving work health and safety practices
- assist businesses and workers to achieve a healthier and safer working environment
- promote information, education and training on work health and safety
- provide effective compliance and enforcement measures
- deliver continuous improvement and progressively higher standards of work health and safety.

In furthering these aims, regard must be had to the principle that workers and other persons should be given the highest level of protection against harm to their health, safety and welfare from hazards and risks arising from work as is reasonably practicable.

For these purposes, 'health' includes psychological health as well as physical health.

WHS regulations, codes of practice and other supporting guidance (sections 274-276)

WHS regulations

The three sets of WHS Regulations specify the way in which some duties under the WHS Act must be met, and prescribes procedural or administrative requirements to support the WHS Act (for example, requiring licences for specific activities and the keeping of records).

Codes of practice

Codes of practice provide practical guidance on how to meet the standards set out in the WHS Act and the WHS Regulations. Codes of practice are admissible in proceedings as evidence of whether or not a duty under the WHS laws has been met. They can also be referred to by an inspector when issuing an improvement or prohibition notice.

It is recognised that equivalent or better ways of achieving the required work health and safety outcomes may be possible. For that reason, compliance with codes of practice is not mandatory providing that any other method used provides an equivalent or higher standard of work health and safety than suggested by the code of practice.

Interpretive guidelines

Interpretive guidelines are a formal statement on how the WHS regulator believes key concepts in the WHS Act will operate and provide an indication of how the laws will be enforced.

Key terms and definitions

The following terms are used throughout this publication.

Selected terms (sections 4-8)

Duty holder – refers to any person who owes a work health and safety duty under the WHS Act including a PCBU, designer, manufacturer, importer, supplier, installer of products or plant used at work (upstream duty holders), an officer and workers. More than one person can concurrently have the same duty in which case the duty is shared. Duties cannot be transferred.

Health and safety committee (HSC) – a group established under the WHS Act that facilitates cooperation between a PCBU and workers to provide a safe place of work. The committee must have at least 50 per cent of members who have not been nominated by the PCBU — that is, workers or health and safety representatives.

Health and safety representative (HSR) – a worker who has been elected by a work group under the WHS Act to represent them on health and safety issues.

Officer – an officer within the meaning of section 9 of the *Corporations Act 2001* (Cth) other than each partner within a partnership. Broadly, an officer is a person who makes, or participates in making, decisions that affect the whole, or a substantial part, of the organisation's activities. This does not include a local government member acting in that capacity or a minister of a state, territory or the Commonwealth.

An officer can also be an officer of the Crown or a public corporation if they are a person who makes, or participates in making, decisions that affect the whole, or a substantial part, of the business or undertaking of the Crown or public corporation.

Each partner within a partnership is not an officer but a PCBU in their own right.

Person conducting a business or undertaking (PCBU) – a person conducting a business or undertaking alone or with others, whether or not for profit or gain. A PCBU can be a sole trader (for example, a self-employed person), each partner within a partnership, company, unincorporated association, government department or public corporation (including a local or regional government).

A local government member acting in that capacity is not a PCBU.

A 'volunteer association' that does not employ anyone is not a PCBU. If it becomes an employer it also becomes a PCBU for purposes of the WHS Act.

A 'strata company' responsible for any common areas used only for residential purposes is not a PCBU, unless it engages a worker as an employee.

Plant – includes any machinery, equipment, appliance, container, implement or tool, and any component or anything fitted or connected to these things.

Structure – anything that is constructed, whether fixed or moveable, temporary or permanent and includes buildings, masts, towers, framework, pipelines, transport infrastructure and underground works (shafts or tunnels). Includes any component or part of a structure.

Substance – any natural or artificial substance in the form of a solid, liquid, gas or vapour.

Supply – supply and re-supply of a thing provided by way of sale, exchange, loan, lease, hire or hire-purchase arrangement, whether as principal or agent.

Volunteer – a person who acts on a voluntary basis regardless of whether they receive out of pocket expenses.

Volunteer association – a group of volunteers working together for one or more community purposes — whether registered or not — that does not employ anyone to carry out work for the association.

Worker – any person who carries out work for a PCBU, including work as an employee, contractor, subcontractor, self-employed person, outworker, apprentice or trainee, work experience student, employee of a labour hire company placed with a 'host employer' and volunteers.

Work group – a group of workers represented by an HSR who in many cases share similar work conditions (for example, all the electricians in a factory, all people on night shift, all people who work in the loading bay of a retail storage facility).

Workplace – any place where a worker goes or is likely to be while work is carried out for a business or undertaking. This may include offices, factories, shops, construction sites, vehicles, ships, aircraft or other mobile structures on land or water such as offshore units and platforms (that are not already covered under the Commonwealth's offshore WHS laws).

Definition of reasonably practicable (section 18)

A guiding principle of the WHS Act is that all people are provided the highest level of health and safety protection from hazards arising from work, so far as is reasonably practicable.

The term 'reasonably practicable' means what could reasonably be done at a particular time to ensure health and safety measures are in place.

In determining what is reasonably practicable, there is a requirement to weigh up all relevant matters including:

- the likelihood of a hazard or risk occurring (the probability of a person being exposed to harm)
- the degree of harm that might result if the hazard or risk occurred (the potential seriousness of injury or harm)
- what the person concerned knows, or ought to reasonably know, about the hazard or risk and ways of eliminating or minimising it
- the availability of suitable ways to eliminate or minimise the hazard or risk
- the cost of eliminating or minimising the hazard or risk.

Costs may only be considered after assessing the extent of the risk and the available ways of eliminating or minimising the risk.

Cost will not ordinarily be the key factor in determining what it is reasonably practicable for a duty holder to do unless it can be shown to be 'grossly disproportionate' to the risk.

Work health and safety duties

General principles (sections 13-17)

The WHS Act sets out work health and safety duties for PCBUs, officers, unincorporated associations, government departments and public corporations, workers and other people at a workplace.

The WHS Act covers:

- people who carry out work in any capacity for a person conducting a business or undertaking including employees, contractors, subcontractors, self-employed persons, outworkers, apprentices and trainees, work experience students and volunteers who carry out work
- other people at a workplace like visitors and customers at a workplace.

The WHS Act has limited application to 'volunteer associations' who do not employ anyone.

Multiple and shared duties (sections 14-16)

A person may have more than one duty. For example, the working director of a company has duties as an officer of the company and also as a worker.

More than one person may have the same duty. A duty cannot be transferred to another person.

If more than one person has a duty for the same matter, each person retains responsibility and must discharge their duty to the extent to which the person has the capacity to influence and control the matter — disregarding any attempts to 'contract out' of their responsibility.

Examples

- A labour hire company hires out its employees to 'host employers' to carry out work for them. Both the labour hire company and the 'host employer' owe a duty of care to those employees. In such cases both are fully responsible for meeting that duty to the extent to which they have capacity to influence and control the matter. It is not possible to 'contract out' work health and safety duties.
- A principal contractor and a subcontractor for construction work must ensure, so far as is reasonably practicable, the provision of adequate facilities for the welfare of the workers carrying out the construction work. This does not mean that two sets of facilities need to be provided by each duty holder. The principal contractor may agree to provide facilities for all workers and visitors to the site as part of their contractual arrangement for the construction work. The subcontractor need only be satisfied the arrangement is in place and the facilities are suitable for their workers.

Duties of a PCBU

Primary duty of care (section 19)

The WHS Act requires all PCBUs to ensure, so far as is reasonably practicable, the health and safety of:

- workers engaged, or caused to be engaged by the person
- workers whose activities in carrying out the work are influenced or directed by the person

while the workers are at work in the business or undertaking.

This primary duty of care requires duty holders to ensure health and safety, so far as is reasonably practicable, by eliminating risks to health and safety. If this is not reasonably practicable, risks must be minimised so far as is reasonably practicable.

PCBUs owe a similar duty of care to other people who may be at risk from work carried out by the business or undertaking.

Self-employed persons must ensure their own health and safety while at work, so far as is reasonably practicable.

Primary duty of care, 'upstream' duties and duties of 'officers', workers and other persons (sections 19-28)

Under the primary duty of care, a PCBU must ensure, so far as is reasonably practicable:

- the provision and maintenance of a working environment that is safe and without risks to health, including safe access to and exit from the workplace
- the provision and maintenance of plant, structure and systems of work that are safe and do not pose health risks (for example, providing effective guards on machines and regulating the pace and frequency of work)
- the safe use, handling, storage and transport of plant, structure and substances (for example, toxic chemicals, dusts and fibres)
- the provision of adequate facilities for the welfare of workers at work (for example, access to washrooms, lockers and dining areas)
- the provision of information, instruction, training or supervision to workers needed for them to work without risks to their health and safety and that of others around them
- that the health of workers and the conditions of the workplace are monitored to prevent injury or illness arising out of the conduct of the business or undertaking
- the maintenance of any accommodation owned or under their management and control to ensure the health and safety of workers occupying the premises.

Duty to consult, cooperate and coordinate (sections 46-49)

The WHS laws require duty holders with shared responsibilities to work together to make sure someone does what is needed. This requires consultation, cooperation and coordination between duty holders.

For example, there may be a number of different duty holders involved in influencing how work is carried out (that is suppliers, contractors and building owners). If more than one person has a health and safety duty in relation to the same matter, they must consult, cooperate and coordinate activities so far as is reasonably practicable in relation to the matter. Each must share health and safety-related information in a timely manner and cooperate to meet their shared health and safety obligations.

The duty to 'consult' does not require agreement, although each duty holder retains responsibility for discharging their health and safety duty.

Each PCBU must, so far as is reasonably practicable, consult with workers and HSRs (if any) about matters that directly affect them. This duty extends to consulting with all kinds of workers not just the PCBU's own employees, including any contractors and their workers, employees of labour hire companies, students on work experience, apprentices and trainees.

Duty of PCBUs with management or control of workplaces (section 20)

A PCBU with management or control of a workplace must ensure, so far as is reasonably practicable, that the workplace and anything arising from the workplace does not put at risk the health or safety of any person.

Duty of PCBUs with management or control of fixtures, fittings or plant at workplaces (section 21)

A PCBU with management or control of fixtures, fittings or plant at a workplace must ensure, so far as is reasonably practicable, that the fixtures, fittings and plant do not put at risk the health and safety of any person.

A PCBU that installs, erects or commissions plant or structures must ensure all workplace activity relating to the plant or structure including its decommissioning or dismantling is, so far as is reasonably practicable, without risks to health and safety.

Duty of PCBUs providing services relating to work health and safety (section 26A)

A PCBU who provides services relating to work health and safety must ensure, so far as is reasonably practicable, that the services are provided so that any 'relevant use' of them at, or in relation to a 'workplace', will not put at risk the health and safety of persons at the workplace.

The duty applies only to services that could potentially pose a risk in the workplace (for example, measures to eliminate a specific hazard or control a risk), and will most commonly apply to WHS services provided to a specific PCBU and tailored to the circumstances of a particular workplace.

While it will depend on the circumstances, it is unlikely that general advice or training would be considered a WHS service for the purposes of section 26A.

If the WHS service is incorrectly used, or not used for its intended purpose, by the recipient of the service (in other words, the service is not applied to its 'relevant use'), the WHS service provider cannot be held responsible.

Note: The provision of a WHS service does not relieve a PCBU of their duties under the WHS Act.

Duty of officers (section 27)

Officers of corporations and other organisations must manage corporate risks — including work health and safety risks.

Under the WHS Act, an officer of a PCBU must exercise due diligence to ensure the PCBU complies with its health and safety duties. This duty relates to the strategic, structural, policy and key resourcing decisions — that is, how the place is run.

Due diligence includes taking reasonable steps to:

- acquire and keep up to date knowledge on work health and safety matters
- understand the nature and operations of the work and associated hazards and risks
- ensure the PCBU has, and uses, appropriate resources and processes to eliminate or minimise risks to work health and safety
- ensure the PCBU has appropriate processes to receive and consider information about work-related incidents, hazards and risks, and to respond in a timely manner
- ensure the PCBU has, and implements, processes for complying with their duties and obligations (for example, reports notifiable incidents, consults with workers, complies with notices, provides appropriate training and instruction and ensures HSRs receive training entitlements)
- verify the provision and use of the relevant resources and processes.

An officer may be charged with an offence under the WHS Act whether or not the PCBU has been convicted or found guilty of an offence under the Act.

Duty of workers (section 28)

While at work, workers must take reasonable care for their own health and safety and that of others who may be affected by their actions or omissions. They must also:

- comply, so far as they are reasonably able, with any reasonable instruction given by the PCBU to allow the PCBU to comply with WHS laws
- cooperate with any reasonable policy or procedure of the PCBU relating to health or safety at the workplace that has been notified to workers.

Duties of other persons at the workplace (section 29)

Similar duties apply to other persons at a workplace. Any person at a workplace, including customers and visitors, must take reasonable care of their own health and safety and that of others who may be affected by their actions or omissions. They must also comply, so far as they are reasonably able, with any reasonable instruction that is given by the PCBU to comply with WHS laws.

Volunteers (section 34)

Volunteers that owe duties under the WHS laws cannot be prosecuted except in relation to their worker's duty.

Further duties of upstream PCBUs (designers, manufacturers, importers and suppliers)

Designers, manufacturers, importers and suppliers of plant, structures or substances can influence the safety of these products before they are used in the workplace. These businesses or undertakings have a responsibility to ensure, so far as is reasonably practicable, that their products are without risks to health and safety when used at a workplace — throughout their entire lifecycle.

Duty holder	Duty to ensure health and safety in the workplace	Duty to test	Duty to provide information
Designers of plant, structures or substances (section 22)	A PCBU who is a designer of a plant, structure or substance that is to be used, or could reasonably be expected to be used, at a workplace must ensure all workplace activity relating to it including its handling or construction, storage, dismantling and disposal is designed, so far as is reasonably practicable, to be without risks to health or safety when used for its intended purpose.	Designers of the plant, structure or substance must carry out tests and examinations sufficient to ensure that when used for its intended purpose the plant, structure or substance meets work health and safety requirements.	Adequate information must be given to those for whom the plant, structure or substance was designed about its intended purpose, test results and any conditions necessary to ensure that it is safe and without risks to health or safety, when used for its intended purpose. Current relevant information must also be provided, so far as reasonably practicable, to other end users at a workplace upon request.
Manufacturers of plant, structures or substances (section 23)	A PCBU who is a manufacturer of any plant, structure or substance which is manufactured to be used, or could reasonably be expected to be used, at a workplace must ensure all workplace activity relating to it including its handling, storage and disposal or dismantling is so far as is reasonably practicable without risks to health or safety when used for its intended purpose.	Manufacturers must carry out or arrange tests and examinations sufficient to ensure that the plant, structure or substance is manufactured to meet work health and safety requirements when used for a purpose for which it was manufactured.	Adequate information must be given to any person to whom the product is provided about the purpose for which it was manufactured, test results and any conditions necessary to ensure that when used for its intended purpose it is safe and without risks to health or safety. Current relevant information must also be provided, so far as reasonably practicable, to other end users at a workplace upon request.

Duty holder	Duty to ensure health and safety in the workplace	Duty to test	Duty to provide information
Importers of plant, substances or structures (section 24)	A PCBU who is an importer of any plant, substance or structure which is to be used, or could reasonably be expected to be used, at a workplace must ensure all workplace activity relating to it including its handling, storage and disposal or dismantling is, so far as is reasonably practicable, without risks to health or safety when used for its intended purpose.	Importers must carry out or arrange tests and examinations sufficient to ensure that the imported plant, structure or substance meets work health and safety requirements when used for its intended purpose. Alternatively, importers must ensure that these tests and examinations have been carried out.	Adequate information must be given to any person who the importer supplies with the plant, structure or substance about its intended purpose, test results and any conditions necessary to ensure that when used for its intended purpose it is safe and without risks to health or safety. Current relevant information must also be provided, so far as reasonably practicable, to other end users at a workplace upon request.
Suppliers of plant, substances or structures (section 25)	A PCBU who is a supplier of any plant, substance or structure that is to be used, or could reasonably be expected to be used, at a workplace must ensure all workplace activity relating to it including its handling, storage and disposal or dismantling is, so far as is reasonably practicable, without risks to health or safety when used for its intended purpose.	Suppliers must carry out or arrange tests and examinations sufficient to ensure that the supplied plant, structure or substance meets work health and safety requirements when used for its intended purpose. Alternatively, suppliers must ensure that these tests and examinations have been carried out.	Adequate information must be given to any person who the supplier supplies with the plant, structure or substance about its intended purpose, test results and any conditions necessary to ensure that when used for its intended purpose it is safe and without risks to health or safety. Current relevant information must also be provided, so far as reasonably practicable, to other end users at a workplace upon request.

Duty holder	Duty to ensure health and safety in the workplace	Duty to test	Duty to provide information
People **installing, constructing or commissioning** plant or structures (section 26)	A PCBU who installs, constructs or commissions plant or structures must also ensure, so far as is reasonably practicable, all workplace activity relating to the plant or structure including its decommissioning or dismantling is without risks to health or safety.	Not applicable	Not applicable
WHS service providers (section 26A)	A PCBU who provides services relating to work health and safety must ensure, so far as is reasonably practicable, the WHS services are provided so that any 'relevant use' of them at, or in relation to a 'workplace', will not put at risk the health and safety of persons at the workplace.	Not applicable	Not applicable

Incident notification (sections 35-39)

Notifiable incident

A PCBU must notify the regulator as soon as they become aware of a death, serious injury or illness or dangerous incident that arises out of the conduct of the business or undertaking.

Serious injury or illness

Trigger	Examples
Immediate treatment as an in-patient in a hospital	• Admission into a hospital as an in-patient for any duration, even if the stay is not overnight or longer It does not include: • out-patient treatment provided by the emergency section of a hospital (i.e. not requiring admission as an in-patient) and immediate discharge • subsequent corrective surgery such as that required to fix a fractured nose
Immediate treatment for the amputation of any part of the body	• Amputation of a limb such as arm or leg, body part such as hand, foot or the tip of a finger, toe, nose or ear
Immediate treatment for a **serious** head injury	• Fractured skull • Loss of consciousness • Blood clot or bleeding in the brain • Damage to the skull to the extent that it is likely to affect organ or face function • Head injuries resulting in temporary or permanent amnesia
Immediate treatment for a **serious** eye injury	• Injury that results in or is likely to result in the loss of the eye or total or partial loss of vision • Injury that involves an object penetrating the eye (for example, metal fragment, wood chip) • Exposure of the eye to a substance which poses a risk of serious eye damage It does not include: • eye exposure to a substance that merely causes irritation
Immediate treatment for a serious burn	• A burn requiring intensive care or critical care which could require compression garment or a skin graft It does not include: • a burn that merely requires washing the wound and applying a dressing
Immediate treatment for the separation of skin from an underlying tissue	• Separation of skin from an underlying tissue such that tendon, bone or muscles are exposed (de-gloving or scalping)
Immediate treatment for a spinal injury	• Injury to the cervical, thoracic, lumbar or sacral vertebrae, including the discs and spinal cord

Trigger	Examples
Immediate treatment for the loss of a bodily function	• Loss of consciousness • Loss of movement of a limb • Loss of the sense of smell, taste, sight or hearing • Loss of function of an internal organ It does not include: • mere fainting • a sprain, strain or fracture
Immediate treatment for serious lacerations	• Serious lacerations that cause muscle, tendon, nerve or blood vessel damage or permanent impairment • Deep or extensive cuts • Tears of wounds to the flesh or tissues — this may include stitching to prevent loss of blood and/or other treatment to prevent loss of bodily function and/or infection
Medical treatment within 48 hours of exposure to a substance	• 'Medical treatment' is treatment provided by a registered medical practitioner • 'Exposure to a substance' includes exposure to chemicals, airborne contaminants and exposure to human or animal blood and body substances
Medical treatment following urgent transfer from remote location	• Includes any injury or illness not specified previously that cannot be treated at or near the site of the incident • A remote location is any location that is not served by ordinary ambulance services, and may include mines and offshore facilities, rail camps, geological surveys, and isolated holiday facilities • A medical facility includes a hospital and any other facility that provides medical services
Injury or illness that, in the opinion of a medical practitioner, is likely to prevent the person from being able to do their normal work for at least 10 days	• Captures any illness or injury not specified previously that prevents a person from doing their normal work for at least 10 days • This determination may only be made by a medical practitioner and may be in the form of a medical certificate or letter • Notification must be provided even if the worker is capable of light duties (e.g. a warehouse worker who is moved to desk duties for the duration of their recovery)

Note: There will be additional notification requirements under the WHS regulations.

'Treatment' means the kind of treatment that would be required for a serious injury or illness and includes 'medical treatment' by a registered medical practitioner, treatment by a paramedic or treatment by a registered nurse practitioner.

Dangerous incident

The regulator must also be notified immediately of any dangerous incident that exposes a person to a serious health or safety risk from immediate or imminent exposure to:

- the uncontrolled escape, spillage or leakage of a substance
- an uncontrolled implosion, explosion or fire
- an uncontrolled escape of gas, steam or a pressurised substance
- an electric shock
- the fall or release from height of any plant, substance or thing
- the collapse, overturning, failure or malfunction of, or damage to, plant that is required to be licensed or registered
- the collapse or partial collapse of a structure, including an excavation or of any shoring supporting an excavation
- the inrush of water, mud or gas into an underground excavation or tunnel
- the interruption of the main system of ventilation to an underground excavation or tunnel
- other incidents as stated in the three sets of WHS regulations.

Notification process

Notice of an incident must be given by the fastest possible means, by telephone or in writing (including electronic means, where available). If notice is given by telephone, the regulator may request follow-up written notice of the incident. This must be provided within 48 hours of the request.

A record of each notifiable incident must be kept by the PCBU for at least five years.

The person with management or control of a workplace at which a notifiable incident has occurred must ensure the site of the incident is not disturbed until an inspector arrives at the site or directs otherwise. This does not prevent any action required to protect a person's health or safety, help someone who is injured or make the site safe.

There will be additional notification requirements under the mines and PAGEO regulations.

Consultation with workers and representation of workers

PCBUs are responsible for making decisions regarding health and safety, but may not have a full understanding of the finer detail or subtleties of the work or working conditions. It is important that PCBUs obtain information from their workers before making changes or implementing measures which may adversely affect health and safety. It is also important that the workers are informed of those measures and their significance to health and safety so that they can implement them and also understand the importance of doing so. This requires an ongoing exchange of information between the PCBUs and their workers, directly or through their representatives.

Given the importance of consultation in contributing to work health and safety, the WHS Act prescribes a general duty to consult.

Consultation with workers (sections 47-49)

PCBUs must, so far as is reasonably practicable consult with workers who carry out work for the business or undertaking who are, or are likely to be, directly affected by a matter relating to health and safety. This includes giving workers a reasonable opportunity to express their views or raise issues about work health and safety at the workplace.

Consultation is a collaborative process between PCBUs and their workers. It involves sharing information about work health and safety and ensuring that views of workers are taken into account when making decisions about health and safety at the workplace. It does not require agreement to be reached.

If there is an agreed consultation procedure then the consultation must be in accordance with those procedures.

If an HSR represents workers, the consultation must involve the HSR so far as is reasonably practicable. The PCBU must make all reasonable efforts to consult at times, places and in ways that are convenient for the workers and the HSR.

A PCBU must consult with workers and take their views into account when:

- identifying hazards and assessing risks arising from work
- proposing changes that may affect the health and safety of workers
- whenever specifically required to do so under particular regulations

and when considering making decisions about:

- ways to eliminate or minimise risks
- the adequacy of facilities for workers' welfare at work
- procedures for consulting with workers
- procedures for resolving health and safety issues
- procedures for monitoring the health of workers or workplace conditions
- how to provide health and safety information and training to workers.

The views of workers must be taken into account when consulting under these provisions but there is no requirement for agreement to be reached.

Workers who have been consulted under these provisions must be advised of the outcome in a timely manner. There is no particular way this advice must be given — for example, it could be given at a 'toolbox' meeting or posted as an intranet news item.

Representation and participation of workers

Workers are entitled to:

- elect a health and safety representative if they wish to be represented by one
- request the formation of a health and safety committee if they wish
- cease unsafe work in certain circumstances (see below for more information)
- have health and safety issues at the workplace resolved in accordance with an agreed issue resolution procedure
- not be discriminated against for raising health and safety issues.

Health and Safety Representatives (HSRs)

Any worker can ask the PCBU for whom they are carrying out work to facilitate the election of one or more Health and Safety Representatives (HSR) for the workplace.

An HSR is elected by a work group to represent the health and safety interests of the work group (and must be a member of that work group). There can be as many HSRs and deputy HSRs as needed after consultation, negotiation and agreement between workers and the PCBU.

Once determined, the PCBU must keep a current list of all HSRs and deputy HSRs for the workplace(s) and display a copy at the relevant workplace.

Work groups (sections 50-59)

A work group is a group of workers who share a similar work situation. For example, a work group might consist of all workers in the office part of a manufacturing complex, or it might consist of people of the same trade, or it might consist of all people on the night shift. If agreed, workers from multiple businesses can be part of the same work group which might include contractors, labour hire staff, outworkers and apprentices.

A work group is set up for the purposes of electing — and being represented by — one or more HSRs.

If a request is made for the election of an HSR, the PCBU must start negotiations with workers within 14 days to determine the:

- number and composition of the work group(s)
- number of HSRs and deputy HSRs
- workplace(s) to which the work group(s) apply.

The PCBU must negotiate about work groups with a worker's representative (for example, union) if asked by a worker. The PCBU must also notify workers as soon as practicable of the outcome of the negotiations.

The parties to a work group agreement may negotiate to change the size or membership of the work group at any time — for example, if it could be reorganised to provide for more effective representation.

Negotiations for the determination and variation of work groups must be aimed at ensuring workers are grouped in a way that most effectively and conveniently enables their WHS interests to be represented and allows an HSR to be readily accessible to each worker in the work group.

If negotiations fail in establishing or varying a work group any person who is a party to the negotiations can request an inspector to assist in deciding the matter (or if the matter involves multiple businesses, to assist the negotiations).

Powers and functions of HSRs (sections 68-69)

HSRs:

- represent their work group members in matters relating to work health and safety at the workplace
- monitor risk control measures put into place at the workplace to protect their work group members
- investigate complaints from their work group members relating to work health and safety
- inquire into anything that appears to be a risk to the health or safety of work group members.

In limited circumstances, HSRs may represent another work group or work group member for the business or undertaking, or work groups in other PCBUs at the workplace if:

- there is a serious risk to the health or safety of other workers from an immediate hazard, or
- a worker in another work group asks for their assistance and the HSR for that other work group is not available.

Each HSR must be allowed to spend such time as is reasonably necessary to exercise their powers or perform their functions under the WHS Act. This must be paid time based on the rate they would have otherwise been paid at the time.

In exercising their powers or functions, an HSR can:

- inspect the workplace or any area where work is carried out by a worker in the work group
  - at any time after giving relevant notice, or
  - at any time without notice in the event of an incident or any situation involving a serious risk to health or safety emanating from an immediate or imminent exposure to a hazard
- accompany an inspector during an inspection of an area where a work group member works
- be present at an interview with a worker that the HSR represents (with their consent) and the PCBU or an inspector about work health and safety issues — if the interview involves more than one worker, only the consent of one of the HSR's work group members is required
- receive information about work health and safety of work group members— but not any personal or medical information that directly or indirectly identifies a worker without the worker's consent
- request a health and safety committee be established
- issue a provisional improvement notice (PIN) or direct a person to cease unsafe work in certain circumstances, but only if they have completed the approved training.

  Note: Workers may also cease work in certain circumstances without direction from an HSR.

Whenever necessary, an HSR may request the assistance of any person. The PCBU is not required to meet the associated costs. Where an HSR's assistant requires access to the workplace to provide assistance to the HSR, the HSR is required to give at least 24 hours' notice, but not more than 14 days' notice, of the assistant's proposed access. This information must be given to the PCBU and the person with management or control of the workplace. Access to the workplace by the HSR's assistant may be refused by the PCBU on reasonable grounds, in which case the regulator may be asked to appoint an inspector to resolve the access issue (see sections 70(1)(g), 71(3) and 71(6)).

An HSR is not personally liable for anything done or not done in good faith while carrying out their role.

Election and eligibility of HSRs (sections 50, 60-67)

The members of a work group elect their own HSR. All members are entitled to vote in an election. To be eligible for election as an HSR a person must be a member of the work group and not be disqualified from acting as an HSR.

A deputy HSR may also be elected for a work group to take on the HSR role if the HSR for that work group ceases to hold office or is unable (because of absence or any other reason) to exercise the powers or perform the functions of an HSR.

The PCBU must provide any resources, facilities and assistance that are reasonably necessary to carry out the election. Members of a work group decide how the election will be conducted. The election may be conducted with the assistance of a union or other person or organisation, if supported by a majority of work group members.

Elections for a deputy HSR are carried out in the same way as for an HSR.

Elections are not needed when the number of candidates is the same as the number of vacancies.

The term of office for an HSR or deputy HSR is three years. They cease to hold office if:

- they leave the work group
- they are disqualified from being an HSR
- they resign as an HSR by written notice, or
- the majority of members of the group agree the person should no longer represent them and they are removed from office in accordance with the WHS Regulations.

HSRs and deputy HSRs can be re-elected.

Any person adversely affected by a decision or action of an HSR can apply to have them disqualified in circumstances where an HSR has exercised powers or performed functions improperly or where an HSR has used or disclosed information for purposes not related to their role as an HSR.

Training (section 72)

If requested, a PCBU must allow HSRs and deputy HSRs to attend a work health and safety course or training approved by the Work Health and Safety Commission (approved course) and chosen by the HSR or deputy HSR. The PCBU cannot refuse to allow an HSR to attend an approved course.

As soon as practicable and within three months of the request, the PCBU must give the HSR paid time off to attend the course. The PCBU must pay the course costs plus reasonable expenses.

In some circumstances, costs associated with the course selected by the HSR, including course fees, may be significantly higher than other courses that are conveniently available to the HSR (for example, if the HSR chooses to attend a course requiring air travel and accommodation when a similar course is provided locally). The PCBU is only required to pay reasonable costs for the course.

If an agreement cannot be reached on the course timing and costs, either party may ask the regulator to appoint an inspector to decide the matters in dispute. The parties will be bound by the inspector's determination, and non-compliance by the PCBU would constitute an offence.

An obligation to share costs applies if multiple PCBUs are involved. Timely consultation between all relevant PCBUs should be arranged to ensure responsibilities are clear.

HSRs must complete the approved training before they can issue a provisional improvement notice (PIN) or direct a person to cease unsafe work.

Whether or not the HSR has undergone training, the PCBU must provide the HSR with the resources, facilities and assistance that are reasonably necessary to enable them to carry out their functions.

Provisional improvement notices (sections 90-102)

A PIN is a written notice issued by an HSR requiring a contravention against the WHS Act or Regulations to be remedied within a certain period or a likely contravention to be prevented. Only an HSR who has completed the approved training may exercise this power.

Before issuing a PIN, the HSR must first consult with the person who is to receive the proposed notice. This could be the PCBU or a worker, if the PIN is proposed to be issued to a worker.

If consultation is unsuccessful, a PIN may be issued in writing. It must state:

- that the HSR believes that a provision of the WHS Act or Regulations is being contravened or has been contravened in circumstances that make it likely that the contravention will continue or be repeated
- the section of the WHS Act or Regulations considered to have been contravened and how the section is being or has been contravened
- the date (at least eight days from the issue date) by which the contravention must be remedied.

A PIN may also include recommendations that may be taken to remedy a contravention. These recommendations may refer to a code of practice and offer the person a choice of solutions. It is not an offence to fail to comply with any recommendations in a PIN as a PIN can be complied with by taking alternative actions to those recommended in the PIN to remedy the contravention.

However, the PIN must be complied with within the time specified in the notice.

A PIN cannot be issued to override an inspector's decision on a matter (subsection 90(5)).

A person issued with a PIN must display it in a prominent place in the workplace, or part of the workplace, at which work is being carried out that is affected by the notice. It is an offence to intentionally remove, destroy, damage or deface the notice, while it is in force.

Within seven days of being issued with a PIN, the affected person (including the PCBU if the person issued with the PIN is a worker) can ask the regulator to have the notice reviewed by an inspector. If no review is sought, the PIN must be complied with — that is, the contravention must be remedied within the time allowed or prevented from occurring in the first place (whichever applies).

If a request is made to review the PIN it ceases to have effect until the inspector makes a decision on the review. The inspector must either confirm the PIN (with or without changes) or cancel it. A review may still occur even if the time specified for compliance with the PIN has expired. A confirmed PIN (with or without changes) must be complied with.

The inspector will give a copy of their decision to the person who applied for the review and the HSR who issued the notice.

A provisional improvement notice that is confirmed (with or without changes) by an inspector is taken to be an improvement notice issued by the inspector under the Act.

Worker's right to cease unsafe work (sections 84-89A)

If a worker has a reasonable concern about a serious risk to their health or safety from immediate or imminent exposure to a hazard, or the health and safety of any other person, they may cease or refuse to carry out work that would expose them, or any other person, to that hazard.

An exception is provided in section 84(2) for police officers, where the refusal to carry out work could adversely affect a covert or dangerous operation. This exclusion does not relieve WA Police of any other duties under the WHS Act.

A worker who ceases work must notify the PCBU as soon as practicable. Workers can be redirected to suitable alternative work at their workplace or at another site until they can resume normal duties.

An affected person including the PCBU, HSR or worker may request an inspector to attend the workplace to assist in resolving an issue relating to the cessation of work.

A worker cannot be discriminated against in their engagement (for example, have pay deducted) for exercising their right to cease unsafe work under the WHS Act. Issues arising in relation to the continuity of engagement of a worker may be referred to the Work Health and Safety Tribunal for resolution, regardless of whether or not an inspector was appointed to resolve the matter.

Direct workers to cease unsafe work (sections 85-89A)

An HSR who has completed the approved training may direct that unsafe work cease in circumstances where they have a reasonable concern that to continue to carry out the work would expose a work group member to a serious risk to their health or safety, emanating from an immediate or imminent exposure to a hazard.

An HSR cannot direct a police officer to cease unsafe work if the request could adversely affect a covert or dangerous operation.

Before issuing a direction however the HSR must first attempt to resolve the matter with the relevant PCBU. This does not have to happen if the risk is so serious and immediate or imminent that it is not reasonable to consult first. In this case the HSR must consult the PCBU as soon as practicable after giving the direction.

The HSR must inform the relevant PCBU of any direction given by them to workers under the WHS Act. Workers do not need to separately notify the PCBU of the cessation of work in these circumstances. Workers can be redirected to suitable alternative work at their workplace or at another site until they can resume normal duties.

Any affected person may request an inspector to attend the workplace to assist in resolving an issue relating to the cessation of work.

A worker cannot be discriminated against in their engagement (for example, have pay deducted) for exercising their rights to cease unsafe work or direct that unsafe work cease under the WHS Act. Issues arising in relation to the continuity of engagement of a worker may be referred to the Work Health and Safety Tribunal for resolution, regardless of whether or not an inspector was appointed to resolve the matter.

Health and safety committees (sections 75-79)

A health and safety committee (HSC) is a formal committee established under the WHS Act to facilitate cooperation between a PCBU and workers in developing and carrying out measures to ensure health and safety at work. This includes health and safety standards, rules and procedures for the workplace.

A PCBU at a workplace must set up an HSC for the workplace within two months of being requested to do so by an HSR for the workplace, or by five or more workers at the workplace.

A PCBU can also establish an HSC on their own initiative.

The constitution of the HSC is determined by agreement between the PCBU and workers at the workplace although some minimum requirements apply.

At least half of the members of an HSC must be workers that have not been nominated by the PCBU. An HSR for the workplace can join the committee if they wish and, if a workplace has more than one HSR, they can choose one or more HSRs to join the committee (if they consent).

At least one member of the HSC must be a representative of the PCBU with sufficient authority to ensure compliance with the duties under section 79, including taking action to ensure a decision of the committee is implemented without unreasonable delay. If the PCBU is an individual, that individual must be a member of the HSC.

If agreement cannot be reached on how the HSC should be constituted, any party can ask the regulator to appoint an inspector to decide the matter. An inspector may decide the constitution of the HSC or that the HSC should not be established.

An HSC must meet at least once every three months and at any reasonable time at the request of at least half of the members of the committee.

No formal training requirements apply for committee members.

Each committee member must be allowed to spend such time as is reasonably necessary to attend meetings of the committee or carry out functions as a member of the committee. This must be paid time based on the rate they would have otherwise been paid at the time.

Issue resolution (sections 80-82A)

Issue resolution procedures apply under the WHS Act if a matter about work health and safety arises at a workplace or from the conduct of a business or undertaking and the matter is not resolved after discussions between parties.

If the matter is not resolved, the relevant parties must make reasonable efforts to achieve a timely, final and effective resolution of the issue in accordance with an agreed procedure or the default procedure set out in the WHS Regulations.

Relevant parties are:

- the PCBU or their representative
- each PCBU or their representative if the issue involves more than one PCBU
- the HSR for a work group or their representative — if the worker(s) affected by the issue are in a work group
- the worker(s) or their representative — if the worker(s) affected by the issue are not in a work group.

The PCBU's representative must not be an HSR and must have an appropriate level of seniority and be sufficiently competent to act as the person's representative.

A worker's representative may enter the workplace for the purpose of attending discussions with a view to resolving the issue.

If the issue remains unresolved, any party may ask the regulator to appoint an inspector to attend the workplace to assist in resolving the issue. The regulator may refuse the request to appoint an inspector, if the parties making the request have not made reasonable efforts to resolve the issue.

While this process is underway, workers may still exercise their right to cease unsafe work and HSRs who have completed the approved training may continue to exercise their powers to issue a PIN or direct that unsafe work cease.

Inspectors will not undertake conciliation or mediation to resolve the issue but may exercise any of their compliance powers under the WHS Act to resolve any underlying work health or safety issues.

No later than two days after the day on which the request is made, an inspector must make a decision resolving the issue. If this time is insufficient, the regulator may apply to the Work Health and Safety Tribunal for an extension of the deadline. The Tribunal will provide any affected parties the opportunity to make submissions before setting a new deadline.

Discriminatory, coercive or misleading conduct (sections 104-115)

Anti-discrimination provisions protect workers, prospective workers and others who perform safety-related functions or activities under the WHS Act, or raise health and safety issues or concerns at the workplace.

It is an offence for a person to engage in discriminatory conduct for a prohibited reason in the course of work. A person only commits an offence if the prohibited reason was the dominant reason for the discriminatory conduct.

Discriminatory conduct includes dismissing or refusing to engage a worker, terminating a contract for services with a worker, detrimentally altering the position of a worker or otherwise injuring them in their engagement (for example, by demoting them, or reducing their overtime or ordinary hours of work) because they:

- are, have been, or propose to be an HSR or member of an HSC
- exercise a right or perform a function as an HSR or HSC member
- undertake, have undertaken or propose to undertake a role under the Act
- exercise, have exercised or propose to exercise (or refrain from exercising) a power under the Act
- assist, have assisted or propose to assist a person to exercise a power or perform a function under the Act

- raise, have raised or propose to raise an issue or concern about work health and safety
- are involved in, have been involved in or propose to be involved in resolving a work health and safety issue, or
- made a complaint or taken other action to get another person to comply with their duties or obligations under the Act.

It is also unlawful to terminate or refuse to enter into a commercial arrangement with another person for any of these reasons.

It is unlawful to engage in, threaten or organise to take any of the above actions, or to ask, authorise, assist or encourage another person to do this.

It is unlawful to organise or take, or threaten to organise or take, any action against another person with intent to coerce or induce the person, or a third person to exercise their rights under the WHS Act in a particular way.

It is unlawful for a person to knowingly or recklessly make a false or misleading representation to another person about their:

- rights or obligations under the Act
- ability to initiate, or participate in, a process or proceeding under the Act, or
- ability to make a complaint or inquiry to a person or body empowered under the Act to seek compliance with the Act.

Offences may be prosecuted by the regulator or alternatively an affected person or their representative may apply to the Work Health and Safety Tribunal for a civil remedy.

In civil proceedings a person may be found to have engaged in discriminatory conduct for a prohibited reason only if the reason was a substantial reason for the conduct.

Civil proceedings relating to alleged discriminatory conduct must be lodged within a year after the date on which the applicant knew or ought to have known that the cause of action accrued.

A broad range of remedies is available, including imposing a penalty or reinstatement.

A person may not initiate multiple actions in relation to the same matter under two or more laws of that jurisdiction.

The regulator

Role of the regulator (sections 152-154)

The WorkSafe Commissioner is the regulator under the WHS Act.

The WorkSafe Commissioner will be responsible to the Minister for Industrial Relations for the administration of the WHS Act and any other law relating to work health and safety administered by the Minister.

The regulator has a broad range of functions, including:

- monitoring and enforcing compliance with the WHS Act (and regulations)
- investigating and reporting on matters relating to work health and safety, including particular types of hazards and matters relating to particular industries or particular businesses or undertakings
- providing advice and information on work health and safety to duty holders and the community
- collecting, analysing and publishing statistics relating to work health and safety
- fostering a cooperative, consultative relationship between duty holders and the people to whom they owe work health and safety duties, and their representatives
- promoting and supporting education and training on matters relating to work health and safety
- engaging in, promoting and coordinating the sharing of information to achieve the object of the WHS Act, including the sharing of information with other work health and safety regulators
- conducting and defending legal proceedings under the WHS Act.

Power of the regulator to require documents and information (sections 155-155B)

The regulator has powers to obtain information by written notice if it reasonably believes a person is capable of giving information, providing documents or giving evidence:

- in relation to a possible contravention of the WHS Act, or
- that will assist in monitoring or compliance.

The written notice must be served on the person, requiring them to do one or more of the following:

- provide a signed statement on the required matters within the time and in the manner specified in the notice
- produce the required documents, including to request a copy or reproduction of documents that are stored in an electronic format
- appear before a person appointed by the regulator at a reasonable time and place determined by that person and specified in the notice, and provide the required evidence orally, in writing or provide the documents.

The regulator may only require a person to appear in person after taking all reasonable steps to obtain the required information by other means.

The regulator may also, by written notice, require a PCBU to provide an independent report on WHS matters at a workplace.

It is an offence to refuse or fail to comply with a request without reasonable excuse. However, a person may refuse to produce a document or information that is subject to legal professional privilege.

While the regulator may compel answers, self-incriminating answers to questions or information provided cannot be used as evidence against an individual in proceedings, other than proceedings arising out of the false or misleading nature of the answer, information or document.

Powers to copy and retain documents (section 155C)

Documents provided to, or obtained by the regulator, may be retained for the period considered necessary by the regulator. The regulator may also take extracts, and make copies or reproductions of documents.

Securing compliance

The Department of Mines, Industry Regulation and Safety is the WHS department that will assist the regulator in the administration of the WHS Act, including the provision of inspectors and other staff to secure compliance with the legislation.

Functions and powers of inspectors (sections 160-162, 171, 172)

Inspectors have general functions and powers to:

- provide information and advice about how to comply with the WHS Act and regulations
- help resolve work health and safety issues at workplaces
- review disputed PINs
- require compliance with the WHS Act by issuing notices
- investigate contraventions and assist to prosecute offences
- investigate and report on matters relating to WHS, including particular types of hazards and matters relating to particular industries or particular businesses or undertakings.

Inspectors are subject to the regulator's directions in the exercise of their compliance powers.

In performing their functions and exercising powers, an inspector at a workplace may require a person to answer their questions, submit to an interview or produce documents or information. The information must be provided in a form that is capable of being understood by the inspector, particularly in relation to electronically stored documents.

The inspector may make copies of or take extracts from a document given to them or keep the document for the period the inspector considers necessary. While in the inspector's custody it must be made available to the person who produced the document, the document's owner, or a representative of either, at all reasonable times.

It is an offence for a person to refuse or fail to comply with the inspector's request without reasonable excuse. However the person may refuse to produce a document or information that is subject to legal professional privilege.

While inspectors may compel answers, self-incriminating answers to questions or information provided cannot be used as evidence against an individual in proceedings, other than proceedings arising out of the false or misleading nature of the answer, information or document.

Warning to be given (section 173)

An inspector may obtain and use information voluntarily given to them in their official capacity by any person.

If a person is however required to answer a question or provide information or a document as explained above, the inspector must first:

- identify themselves to the person as an inspector by producing their inspector's identity card or in some other way
- warn the person that failure to comply with the requirement or to answer the question, without reasonable excuse, would constitute an offence
- warn the person that they are not excused from answering a question or providing information or a document on the ground that they may incriminate themselves
- advise the person that legal professional privilege may be claimed.

It is not an offence for a person to refuse to cooperate on grounds that they may incriminate themselves if the inspector has not first given them the required warning.

Power to require name and address (section 185)

An inspector may require a person to provide their name and residential address if:

- the inspector finds them committing an offence against the WHS Act
- the inspector finds them in circumstances that leads the inspector to reasonably believe they have committed an offence against the WHS Act, or
- the inspector reasonably believes that the person may be able to assist in the investigation of an offence against the WHS Act.

In making the request the inspector must explain the reasons for the requirement and warn the person that it is an offence to refuse or fail to comply without reasonable excuse.

If the inspector reasonably believes that the name or residential address is false, they may require the person to provide further evidence as to its correctness.

It is an offence for a person to fail to comply with these requirements without reasonable excuse.

Powers of entry for inspectors (sections 163-166)

In performing their functions and exercising powers, an inspector may enter a workplace or a suspected workplace at any time without prior notice, with or without the consent of the person with management or control. If it is not a workplace, then they must leave immediately unless they are authorised by an entry warrant to be there or the person with management or control consents. They may also pass through places used for residential purposes at a reasonable time if it is the only known way to access a workplace.

An inspector must identify themselves on request, by showing their identity card or by another way, prescribed in the WHS regulations, such as a departmental letter or email, or confirmation with the department by telephone.

An inspector must take all reasonable steps to advise the relevant PCBU, person with management or control of the workplace and any relevant HSRs they have entered the workplace as soon as practicable. This is not needed if it would defeat the purpose of entry or cause unreasonable delay.

An inspector entering a workplace can:

- inspect, examine and make inquiries
- inspect, examine and seize anything, including documents, and may analyse or test a seized thing or arrange for another person to do so
- bring and use any equipment or materials they may need
- take measurements, conduct tests, and make sketches or recordings (for example, photographs, films, audio and video)
- take and remove samples for analysis.

An inspector can require a person at a workplace to give them reasonable help to do these things. A person asked to assist must not, without reasonable excuse, refuse or fail to comply. This may include the supply of transport (for example, flights to/from the workplace being inspected), accommodation and meals.

Inspectors may be accompanied by other persons including an interpreter to assist them, if this is considered to be necessary.

Entry warrants (sections 166A-169)

An inspector may apply to a Justice of the Peace (JP) for an entry warrant. An entry warrant may be issued if:

- there are reasonable grounds for suspecting that there is a thing or activity at the place that may be evidence of an offence against the WHS Act, or may enable access to evidence of an offence against the WHS Act
- the warrant is reasonably necessary to enable an inspector to exercise compliance powers.

An entry warrant may be executed by any inspector, but the inspector must produce the warrant, or a copy of it.

Enforcement measures

Improvement notices (sections 191-194)

An improvement notice is a written notice issued by an inspector requiring a contravention against the WHS Act or Regulations to be remedied within a certain period or a likely contravention to be prevented (that is, if there are circumstances that make it likely that a contravention will continue or be repeated).

An inspector may issue an improvement notice requiring a person to remedy the contravention, prevent a likely contravention from happening or remedy the things or operations causing the contravention or likely contravention.

The notice must state the inspector's belief about the contravention or likely contravention, identify the provision the inspector believes is being or has been contravened, how the provision is being or has been contravened and a reasonable date by which to fix the contravention.

An improvement notice may also include directions and/or recommendations about how to fix or prevent a contravention.

A person issued with an improvement notice must comply with the notice.

A person issued with an improvement notice may seek to extend the compliance period for the notice, but only if the period has not ended.

Prohibition notices (sections 195-197)

A prohibition notice is a notice issued by an inspector prohibiting an activity at a workplace from continuing or being carried out in a specific way.

An inspector may issue a prohibition notice if they reasonably believe the activity involves a serious risk to a person's health or safety from an immediate or imminent exposure to a hazard.

The notice is issued to the person with control over the activity. It may include directions on how to remedy the risk and remains in place until an inspector is satisfied the risk has been fixed.

At first the notice may be given orally but must be confirmed by written notice issued to the person as soon as practicable.

A person issued with a prohibition notice must comply with the notice (including any notice given orally). It remains in force until an inspector is satisfied the underlying risk has been fixed — see also the section on reviews.

An inspector cannot give a direction if compliance with the direction would adversely affect a covert or dangerous operation of the WA Police.

Non-disturbance notices (sections 198-201)

A non-disturbance notice is a written notice issued by an inspector requiring a person with management or control of a workplace to preserve a 'notifiable incident' site or prevent disturbance of a particular site (including the operation of plant) in certain circumstances. It may only be issued if the inspector reasonably believes that it is necessary to do so to facilitate the exercise of their compliance powers.

A notice may require the person to preserve the site or prevent disturbance for up to seven days, and must include the measures to be taken to do so.

One or more subsequent non-disturbance notices may be issued to a person if an inspector considers this necessary.

A non-disturbance notice does not prevent any action required to protect a person's health or safety, help someone who is injured or make the site safe.

A person issued with a non-disturbance notice must comply with the notice unless they have a reasonable excuse for not doing so.

Display of notices (section 210)

A person issued with a notice must as soon as possible display a copy of the notice in a prominent place at or near the workplace where work affected by the notice is being carried out.

It is an offence to intentionally remove, destroy, damage or deface a notice that is required to be displayed while the notice is in force.

Note that the operation of the notice may be stayed if the decision to issue the notice is under formal review (see below).

Remedial action (sections 211-213)

The regulator may take any reasonable remedial action to make a workplace or situation safe if a person fails to take reasonable steps to comply with a prohibition notice. To do so it must give written notice to the person of the regulator's intention and information about the owner's or person's liability for the costs of that action.

The regulator may also take remedial action if a prohibition notice cannot be issued because the person with management or control of the workplace cannot be found.

Costs of remedial action may be charged to the person who was issued with the initial prohibition notice or would have been, had they been found.

WHS undertakings (sections 216-222)

A person may give the regulator an undertaking about a contravention or alleged contravention by the person, other than industrial manslaughter or a Category 1 offence.

If accepted, no enforcement proceedings may be brought (or continued) against a person in relation to a matter covered in a WHS undertaking, providing the WHS undertaking has been completely discharged.

The giving of a WHS undertaking is not considered to be an admission of guilt. The regulator must consider any undertaking, taking into account guidelines published on the acceptance of WHS undertakings, and provide the person with a written notice of its decision to accept or reject it (including reasons).

A WHS undertaking takes effect and becomes enforceable when the regulator's decision to accept it is given to the person or as specified in the decision.

A person who has made a WHS undertaking may withdraw or vary the undertaking with the written agreement of the regulator.

If a WHS undertaking is contravened, the regulator may apply to the Magistrate's Court for a remedy. In addition to imposing a penalty, the court may make orders directing compliance with the WHS undertaking or discharging the undertaking altogether. Additionally the court may order the person to pay the costs of the proceedings plus the regulator's reasonable costs of monitoring compliance with the WHS undertaking in the future.

If a WHS undertaking is contravened, the regulator may also seek to prosecute the underlying contravention or alleged contravention of the Act to which the WHS undertaking relates.

Review of decisions (sections 223-229B)

Certain decisions made by inspectors and the regulator can be reviewed. The WHS Act outlines which decisions can be reviewed and who can apply to have them reviewed.

These are decisions that relate to:

- the failure to commence negotiations for work groups
- training of health and safety representatives
- PINs issued by HSRs
- forfeiture and return of goods or things
- issue of improvement, prohibition or non-disturbance notices and subsequent notices
- variation or cancellation of notices
- extension of time to comply with improvement notices.

A union may apply for a review of a decision on behalf of a union member or members, without identifying the union member or members, and without providing evidence of their authority to act on their behalf.

Internal review

Inspectors' decisions are initially subject to internal review by the regulator. Applications must be brought within the time allowed or a longer period permitted by the regulator.

The time allowed is:

- in relation to a decision to issue an improvement notice — the period specified in the notice for compliance or 14 days, whichever is the lesser, or
- in any other case, 14 days.

The internal reviewer cannot be the person responsible for the initial decision. The internal reviewer must make a decision within 14 days after receiving a valid application, although additional time is allowed if further information is required.

The internal reviewer must confirm the initial decision, vary it, or set it aside in favour of another course of action. A written decision must be sent to the applicant as soon as practicable.

The initial decision is taken to be confirmed if the internal reviewer does not make a review decision in the time allowed, or the applicant fails to provide any additional information required by the reviewer within time.

External review

If a person is dissatisfied with the internal review decision, they may apply to the Work Health and Safety Tribunal for an external review of that decision within the time allowed.

Prescribed decisions made under the WHS Act by the regulator are also externally reviewable.

The application must be made:

- if the decision was to forfeit a thing — within 28 days of the day the decision first came to the applicant's notice
- in any other case — within 14 days after the day the decision first came to the applicant's notice, or
- if the regulator is required by the external review body to give the applicant a statement of reasons — within 14 days after the day the statement is provided.

In general, the Work Health and Safety Tribunal's practices and procedures will apply to the external review.

The Work Health and Safety Tribunal is required to:

- review a decision (unless the application is withdrawn)
- conduct the review with a 'hearing de novo' (approaching the decision afresh), and may consider material not available to the internal review
- confirm, vary or substitute another decision.

Stays of reviewable decisions

If an application for review is made, this generally imposes a stay on the operation of the decision until there is an outcome.

However, there is no automatic stay of a decision to issue a prohibition notice or a non-disturbance notice. In this case, the reviewer may stay the decision on its own initiative or upon application. The reviewer must make the decision on an application for a stay within one working day after receiving the application, otherwise the application is taken to have been granted.

A stay of a decision pending internal review operates until the time allowed for making an external review expires or an application for external review is made, whichever is earlier.

If an application is made for an external review of a decision, the Work Health and Safety Tribunal may stay the operation of a decision, cancel, or vary the stay.

Offences and penalties

Health and safety duty offences (sections 30A-33)

The WHS Act provides for the following categories of offences for breach of health and safety duties. The maximum penalties are different depending on the category of the offence and whether the offender is an individual (e.g. a worker, or a PCBU), an officer (as defined) or a body corporate.

Industrial manslaughter – applies to those with a WHS duty where their conduct in failing to comply with that duty caused a death. Only PCBUs and their officers can be charged with industrial manslaughter. The prosecution must establish, beyond reasonable doubt, that the person knew their conduct was likely to cause the death of, or serious harm to, an individual and they acted in disregard of that likelihood.

Category 1 – applies to those with a WHS duty where their conduct in failing to comply with that duty caused the death of, or serious harm to, a person.

Category 2 – applies to those with a WHS duty where their conduct in failing to comply with that duty exposed a person to the risk of death, injury or harm to health.

Category 3 – applies to those with a WHS duty who failed to comply with that duty.

Maximum penalties for breach of health and safety duty offences

Offence	Duty holder		
	Body corporate	Individual as a PCBU or officer	Individual as worker or other
Industrial manslaughter	$10 000 000	$5 000 000, 20 years in jail	Not applicable
Category 1	$3 500 000	$680 000, 5 years in jail	$340 000, 5 years in jail
Category 2	$1 800 000	$350 000	$170 000
Category 3	$570 000	$120 000	$55 000

Note: Where a penalty provides for a fine or term of imprisonment, the Court may impose a sentence that includes either or both penalties.

Exceptions (section 34)

Volunteers are not liable for a failure to comply with a health and safety duty except in their capacity as a worker (section 28) or other person at a workplace (section 29).

An unincorporated association is not liable for prosecution although its officers (except volunteers) may be prosecuted for a failure to comply with an officer's duty (section 27). Its members may owe duties in their capacities as workers (section 28) or other persons at a workplace (section 29).

Alternative penalty options

In addition to imposing a penalty, courts may impose alternative remedies including:

- adverse publicity orders
- restoration orders
- work health and safety project orders
- court-ordered WHS undertakings
- training orders.

Other offences

There are a number of other offences under the WHS Act that relate to specific requirements and carry their own individual penalties.

Offences in relation to incident notification (sections 38, 39)

It is an offence to:

- fail to notify the regulator of a 'notifiable incident' (section 38)
- fail to keep a record of a 'notifiable incident' for the prescribed period (section 38)
- fail to preserve an incident site until an inspector arrives (section 39).

Offences in relation to authorisations (sections 41-45)

It is an offence to:

- carry on a business or undertaking at an unauthorised workplace, if it is required to be authorised (section 41)
- use unauthorised plant, equipment and substances at a workplace, if there is a requirement that it be authorised (section 42)
- carry out work without the required licence, permit or authorisation (section 43)
- carry out work without the required prescribed qualifications or experience, or carry out unsupervised work where supervision by a person with prescribed qualifications or experience is required (section 44)
- not comply with the conditions of any licence, permit or authorisation (section 45).

Offences in relation to consultation (sections 46, 47)

It is an offence to:

- not consult with other duty holders on work health and safety matters as required (section 46)
- not consult with workers on work health and safety matters as required (section 47).

Offences in relation to the establishment of work groups (sections 52, 53, 56, 57)

It is an offence to:

- fail to negotiate with workers or their representative regarding the formation of work groups at a workplace (sections 52, 56)
- fail to notify workers of the outcome of negotiations regarding the formation of work groups at a workplace (sections 53, 57).

Offences in relation to health and safety representatives (sections 61, 70, 71, 72, 74, 97, 99)

It is an offence to:

- fail to consult with an HSR on work health and safety matters as required (section 70)
- fail to provide an HSR with access to information the person has relating to hazards affecting their work group members and work health and safety of work group members (section 70)
- fail to allow an HSR to attend interviews that they are entitled to attend as representatives (section 70)
- fail to provide resources, facilities and assistance that are reasonably necessary for the election of HSRs or to allow HSRs to carry out their health and safety duties (sections 61, 70)
- prevent an HSR from accompanying an inspector during an inspection of a place that affects work health and safety of work group members (section 70)
- deny a person assisting an HSR access to the workplace in accordance with entitlements (section 70)
- fail to allow an HSR time off with pay that is reasonably necessary to attend to their health and safety duties (section 70)
- allow an HSR to have access to any personal or medical information concerning a worker without the worker's consent, unless the information does not identify the worker (section 71)
- refuse to allow an HSR to attend an approved training course they are entitled to attend (section 72)
- fail to keep an up-to-date list of HSRs at the workplace and ensure it is readily accessible to all workers (section 74)
- fail to display a PIN (section 97)
- contravene a PIN (section 99).

Offences in relation to health and safety committees (sections 75, 79)

It is an offence to:

- fail to establish an HSC within two months of being requested to do so (section 75)
- fail to allow members of the committee time off with pay that is reasonably necessary to attend committee meetings and carry out functions as a committee member (section 79).
- fail to provide an HSC with access to information the person has relating to hazards affecting their workplace and the work health and safety of workers at the workplace (section 79)
- allow an HSC to have access to any personal or medical information concerning a worker without the worker's consent, unless the information does not identify the worker (section 79)
- fail to or unreasonably delay considering any recommendation or other decision made by the HSC within the scope of the HSC's functions that requires the person's agreement if it is to be implemented (section 79)
- fail to or unreasonably delay providing a response to the HSC stating the extent to which the person agrees to the implementation of the recommendation or other decision (section 79)
- fail to or unreasonably delay taking any agreed action required to be taken for the purposes of the implementation of a recommendation or decision (section 79)
- unreasonably withhold agreement to the implementation of a recommendation or other decision (wholly or partly) (section 79).

Offences in relation to discriminatory, coercive or misleading conduct (sections 104-108)

It is an offence to:

- engage in discriminatory conduct for a reason prohibited under the WHS Act (section 104)
- request, instruct, induce, encourage, authorise or assist another person to engage in discriminatory conduct (section 107)
- organise or take, or threaten to organise or take, any action against another person with intent to coerce or induce that person, or a third person, to exercise or not exercise a power or perform or not perform a function under the WHS Act (section 108)
- knowingly or recklessly make a false or misleading representation to another person regarding their rights, obligations or abilities under the WHS Act (section 109).

Part 6 of the WHS Act also enables a person affected by discriminatory, coercive or misleading conduct to initiate civil proceedings for a civil remedy.

Offences in relation to the regulator and inspectors (sections 155-190)

It is an offence to:

- refuse or fail to answer questions and provide information and documentation requested by the regulator without reasonable excuse (section 155)
- refuse or fail to assist an inspector in the performance or their compliance powers without reasonable excuse (section 165)
- refuse or fail to comply with an inspector's request to answer questions, verify those answers by statutory declaration, submit to an interview, record an interview, or produce a document without reasonable excuse (section 171)
- tamper with a thing the access to which has been restricted by an inspector or fail to comply with an inspector's request to take it to a stated place within a stated time or remain in control of it at the stated place (section 177)
- refuse or fail to comply with a direction from an inspector, including refusing to provide one's name and address (section 185)
- intentionally hinder or obstruct an inspector while they are carrying out their duties, or to induce or attempt to induce another person to do so (section 188)
- impersonate an inspector (section 189)
- assault, threaten or intimidate an inspector or a person assisting an inspector (section 190)
- fail to comply with an improvement notice (section 193)
- fail to comply with a prohibition notice (section 197)
- fail to comply with a non-disturbance notice (section 200)
- intentionally remove, destroy, damage or deface a notice required to be displayed (section 210)
- fail to comply with a WHS undertaking (section 219)
- fail to comply with a court order (section 242)
- give false or misleading information in complying or purportedly complying with the WHS Act (section 268)
- disclose confidential information obtained while exercising a power or function under the WHS Act (section 271)

- enter into, or offer to enter into, an insurance policy or indemnify a person that seeks to cover WHS Legislation fines imposed under the WHS Act (section 272A)
- impose a levy or charge on a worker for anything done or provided in relation to work health and safety (section 273).

Prosecutions (section 229C-232A)

Proceedings for an offence against the WHS Act can only be brought by the regulator or public service officer working in the Department of Mines, Industry Regulation and Safety.

Industrial manslaughter offences under section 30A may only be prosecuted by the Director of Public Prosecutions.

The department will publish on its website general guidelines about the prosecution of offences against the WHS Act and the acceptance of WHS undertakings.

Procedure if prosecution is not brought (section 231)

If an individual (complainant) considers an industrial manslaughter, Category 1 or Category 2 offence has occurred but no prosecution has been brought in the period six to twelve months after the alleged offence, they can make a written request to the regulator to bring a prosecution.

The regulator must respond to the request within three months after receiving the request. It must advise on the status of the investigation and, if complete, whether a prosecution has been or will be brought, including reasons. The regulator must also notify the alleged offender of these matters.

Limitation period for prosecutions (section 232)

Proceedings for an offence must be commenced:

- within two years after the offence first came to the regulator's attention
- within one year after a finding in a coronial or other official inquiry that the offence has occurred
- within six months of a WHS undertaking being contravened, or when the regulator becomes aware of a contravention or agrees to withdraw the undertaking.

After the standard limitation period, proceedings may commence for Category 1 offences if fresh evidence is discovered and the court is satisfied the evidence could not reasonably have been discovered within the relevant limitation period.

There is no limitation period for industrial manslaughter. If the Director of Public Prosecutions decides not to bring proceedings for industrial manslaughter, proceedings for another offence may be brought by the regulator within six months of the Director's decision.

Admission of evidence obtained unlawfully (section 232A)

Under some circumstances, a court may consider admitting evidence into proceedings that was obtained as a result of unlawful conduct. This might occur, for example, where an inspector inadvertently exceeds the parameters of an entry warrant.

Authorisations

Authorisations (for example, licences, permits, registrations) are required for the use of some plant and substances, and certain types of work.

Plant and substances (section 42)

A PCBU must not direct or allow a worker to use plant or a substance if the WHS regulations require it, or its design, to be authorised and it is not.

The WHS regulations will list the items of plant requiring registration of their design.

The WHS regulations will list the items of plant and equipment required to be registered.

Work (section 43)

A PCBU must not direct or allow a worker to carry out work if it is required to be done by an authorised person and the worker is not authorised.

The WHS regulations will list certain high risk work that must only be performed by people who have been authorised (for example, licensed) to carry out that type of work.

Prescribed qualification and experience (section 44)

The WHS regulations will require certain types of work to be carried out only by, or supervised by, a person with prescribed qualifications or experience.

Note: Other non-WHS legislation may include licensing, registration or similar requirements for some occupations.

Statutory offices and bodies

Functions and committees (section 12A)

The WHS Act makes provision for the establishment of the:

- WorkSafe Commissioner
- Chief Inspector of Mines
- Chief Inspector Petroleum Safety
- Work Health and Safety Commission (WHSC)
- Mining and Petroleum Advisory Committee (MAPAC)
- Work Health and Safety Tribunal.

Transitional provisions

In general, transitional arrangements will be put in place where duties are new or substantially changed from existing requirements. The approach taken will be broadly consistent with the transition principles agreed by Safe Work Australia.

Government of **Western Australia**
Department of **Mines, Industry Regulation and Safety**

Department of Mines, Industry Regulation and Safety
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Arrangements for Management of Volunteer Bush Fire Brigades: Proposed Advocacy Position

May 2022

em@walga.asn.au www.walga.asn.au 08 9213 2000

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Acknowledgement

The WA Local Government Association (WALGA) acknowledges the Traditional Owners of the land and pays respects to Elder's past, and present. WALGA acknowledges the continuing knowledge and cultural practices that they bring to the Local Government and Emergency Management sectors to support resilient and sustainable land management on WA landscapes.

Executive Summary

Western Australian Local Governments have extensive roles and responsibilities prescribed in the State Emergency Management Framework (State Framework) across the emergency management activities of prevention, preparedness, response, and recovery. Relevantly, pursuant to the *Bush Fires Act 1954*, Local Governments have responsibility for bushfire and the management of volunteer Bush Fire Brigades (BFBs).

This Paper proposes a new Advocacy Position on the management of BFBs to guide the Association's emergency management advocacy on behalf of Local Government, and in particular its engagement with the State Government on the development of the *Consolidated Emergency Services Act* which is expected to be released for stakeholder consultation in early 2023.

How to Comment on This Paper

Local Governments are encouraged to provide a written response to this Paper or to complete the survey. Formal Council resolutions will assist the Association understand the sentiment of the sector on this important issue.

The Paper outlines the proposed Advocacy Position, followed by the background and rationale for the new position.

Questions are provided at the end of the Paper to guide feedback.

For further information please contact WALGA's Resilient Communities Policy Manager, Susie Moir via 9213 2058 or smoir@walga.asn.au

Feedback should be provided in response to the questions via email to em@walga.asn.au by **5pm Friday 8 July 2022.**

Introduction

This Paper seeks Local Government's views on a new WALGA Advocacy Position on the management of volunteer bush fire brigades (BFBs).

WALGA Advocacy Positions guide WALGA's policy, advocacy and capacity building activities and support a consistent and whole-of-sector approach.

The introduction of the *Work Health and Safety Act 2020* has shone a spotlight on Local Government responsibilities for managing BFBs. In addition, the State Government is currently drafting the *Consolidated Emergency Services Act*, which consolidates the *Fire Brigades Act 1942, Bush Fires Act 1954* and *Fire and Emergency Services Act 1998* into a single piece of legislation, anticipated to be released as a Green Bill in early 2023. Therefore consultation on a new Advocacy Position with respect to management of BFBs is timely.

In 2012, 2019 and 2021, WALGA undertook comprehensive consultation with Local Government in relation to emergency management matters.

In 2021 WALGA undertook a comprehensive Local Government Emergency Management Survey to ascertain the sector's sentiment with respect to their emergency management responsibilities. 104 Local Governments responded to the Survey. Responses were provided by:

- 36 Chief Executive Officers
- 18 Community Emergency Services Managers
- 50 Local Government officers

As part of the survey Local Governments were asked about their level of satisfaction with current arrangements for managing BFBs. 92 Local Governments (69 of which manage BFBs) provided the following feedback:

- 93% were not wholly satisfied with the current arrangements for the management of BFBs; and
- 51% expressed that their Local Government does not support the requirements for Local Governments to manage BFBs.

These Survey responses reinforce that it is timely to engage with the sector on this issue.

WALGA has been undertaking a process to update our Advocacy Positions, and as a result has prepared eight new Advocacy Position Statements relating to Emergency Management, which will be considered at the July 2022 State Council meeting, as listed in Appendix 1. These new Advocacy Positions are based on previous State Council endorsed submissions, recommendations from significant reviews and inquiries, and information and priorities captured in sector-wide consultations.

A comprehensive Advocacy Position regarding the *Consolidated Emergency Services Act*, is outlined in Appendix 1, Advocacy Position 8.4.

Background

FESA (now the Department of Fire and Emergency Services (DFES)) was established in 1999 for the purpose of improving coordination of the State's emergency services, replacing the Fire Brigades and Bush Fires Boards[1]. DFES provides strategic leadership for emergency services across WA. DFES manages the career fire and rescue service, as well as a number of volunteer emergency services: Volunteer Fire and Emergency Services (VFES); Volunteer Fire and Rescue Service (VFRS); State Emergency Services (SES); and Marine Rescue Western Australia.

Around Australia:

- WA is the only State in Australia in which Local Governments manage bushfire volunteers (pursuant to the *Bush Fire Act 1954).*
- In New South Wales, the NSW Rural Fire Service, which makes up the world's largest firefighting volunteer services, is managed by the NSW Government[2].
- Similarly, the Victorian Government manages the Country Fire Authority which manages regional fire services in Victoria[3].
- In South Australia, the *Fire and Emergency Services Act 2005* (SA) provides for the South Australian Country Fire Service (SACFS) being established as a body corporate, currently managing 14,000 volunteers. The SACFS is responsible to the Minister for Emergency Services[4].
- In Queensland, the *Fire and Emergency Services Act 1990* (Qld) provides for the establishment of rural fire brigades, with the Commissioner responsible for the efficiency of rural fire brigades[5].
- The Tasmanian Fire Service sits under the State Fire Commission, established under the *Fire Service Act 1979*[6], with more than 200 fire brigades across Tasmania, 350 career firefighters and 5000 volunteers.
- The ACT Rural Fire Service sits under the ACT Emergency Services Agency[7] and is responsible for all bush and grass fires in rural ACT areas, through 450 volunteers in eight brigades.
- Bushfires NT is a division of the Department of Environment, Parks and Water Security, which is responsible for administration of the *Bushfires Management Act 2016*[8]. The Minister appoints members of the Bushfires Council and regional bushfires committees.

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[1] https://www.dfes.wa.gov.au/site/about-us/corporate-information/corporate-history/corporate-history.html
[2] https://www.rfs.nsw.gov.au/about-us/history
[3] https://www.cfa.vic.gov.au/about-us/who-we-are
[4] Part_B_2015_South_Australian_Country_Fire_Service.pdf (audit.sa.gov.au)
[5] Fire and Emergency Services Act 1990 (legislation.qld.gov.au)
[6] TFSAnnualReport2021.pdf (fire.tas.gov.au)
[7] Emergencies Act 2004 | Acts
[8] Legislation Database (nt.gov.au)

Current Arrangements in WA

In Western Australia 111 Local Governments manage 563 BFBs involving approximately 20,000 volunteers. The Bush Fire Service is the largest volunteer emergency service by a significant margin:

- Bush Fire Service: 19,639 volunteers
- Fire and Rescue Service: 2,486 volunteers
- State Emergency Services: 2001 volunteers
- Volunteer Fire and Emergency Services: 926 volunteers
- Emergency Services Cadet Corps: 2,261 volunteers
- Marine Rescue Service: 1,559 volunteers[9].

The number of BFBs managed by Local Governments varies from one up to 20. For example, the Shire of Cranbrook, which has a population of 1000 people, annual revenue of $8 million and 29 employees manages 11 BFBs. The City of Mandurah, population 88,000, annual revenue of $116 million and 678 employees, manages one BFB.

DFES also manages some BFBs. This includes seven bushfire brigades within the Kimberley and seven bushfire brigades within the Pilbara regions, under Memorandums of Understanding (MOU) with relevant Local Governments which make DFES responsible for the day-to-day management of the BFB and all response activities, excluding in relation to land tenure managed by the Department of Biodiversity, Conservation and Attractions.

Under this arrangement, Local Governments maintain responsibility for administering the *Bushfires Act* and carry out activities such as inspecting fire breaks and issuing burning permits.

The Local Government Grants Scheme (LGGS) Manual (Appendix 1) outlines five different 'profiles' for Bush Fire Brigades, as follows:

- Farmer Response Rural Brigades
- Pastoral Emergency Management
- Rural Brigades
- Settlement Brigades (Rural/Semi Rural)
- Urban Brigades (Defensive/Structural/Breathing Apparatus).

Considerations for Future Bush Fire Brigade Management Arrangements

Local Government Views

As part of WALGA's 2021 Emergency Management Survey, Local Governments were asked about their level of satisfaction with current arrangements for managing BFBs. 92 Local Governments (69 of which manage BFBs) provided the following feedback:

- 93% were not wholly satisfied with the current arrangements for the management of BFBs; and
- 51% expressed that their Local Government does not support the requirements for Local Governments to manage BFBs.

[9] DFES Volunteering, April 2022

Detailed comments provided in the WALGA survey indicated a strong preference for the State Government to be responsible for all emergency management matters in Western Australia, including the management of BFBs.

Recommendations of Previous Reviews

Over the years there have been many calls for transformational change to the State Emergency Management Framework, in particular rural fire management.

The Ferguson Report on the 2016 Waroona Bushfire recommended that the State Government establish a rural fire service to address perceived issues in rural fire management, including insufficient capacity and unsuitable governance to deliver rural fire services. In 2017 the State Government hosted a bushfire mitigation summit at which a number of options were considered by stakeholders: a rural fire service operated within DFES; a rural fire service operated within DFES with autonomy; and a dedicated rural fire service that operated independently. Options to transfer the management of all BFBs under one umbrella – DFES or other – were also explored.

The 2017 Economic Regulation Authority Review of the Emergency Services Levy (ESL) considered the extent to which the ESL should be available to fund the administrative and/ or operational costs of a rural fire service, although it was outside the terms of reference for the ERA to examine the merits of a rural fire service or form a view on the best model of a rural fire service[10]. A number of Local Governments provided submissions to the ERA Review that supported the creation of a rural fire service[11].

Work Health and Safety Act 2020

The requirements of the *Work Health and Safety Act 2020*, enacted in March 2022, have heightened concerns in the sector regarding risk and liability in the management of BFBs, resourcing requirements and training and competency.

The shared responsibility for the health and safety of BFB volunteers adds further complexity to the management of BFBs and responsibilities. Local Governments, DFES, and in some cases the Department of Biodiversity, Conservation and Attractions (DBCA), have a shared duty of care to BFB volunteers due to Controlling Agency activities at incidents, and funding mechanisms (LGGS) for BFB operations and capital equipment.

DFES has a role as the lead fire and emergency services agency in WA for preparing training resources and standard operating procedures. DFES is currently developing additional resources suited to each of the above BFB 'profiles', specifically the management and training of BFBs. These additional resources will be discussed further with the sector in the coming months.

Whether the management structure for BFBs could be aligned to reflect the current operations of different brigade 'profiles', as provided in the LGGS Manual and outlined on Page 5 of this Paper, would require further discussion between DFES and the Local Government sector. This could allow for scalability of BFBs depending on location, resources and capabilities.

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[10] ERA Review of the ESL, 2017, pg 185
[11] ERA ESL Review – summary of submissions to issues paper and draft report

Volunteer Insurance

Local Governments are responsible for providing compensation for injury caused to present and former BFB volunteers as a result of their duties. The commercial insurance market ceased writing injury insurance for volunteers in 2012, therefore a self-insurance mutual scheme was implemented to ensure that Local Governments continue to meet this obligation.

Since 2012, due to the high cost of claims, the aggregate limit of liability has increased from $250,000 to $750,000. In addition, the annual cost of insurance has nearly doubled (92%) from $47.50 to $91.20 per volunteer, and it is expected that this trend will continue[12].

Sector Capacity, Capability and Resourcing

Local Governments vary in their capability, capacity, and resources to manage BFBs, as well as their other extensive legislative responsibilities and requirements[13].

By way of overview, Local Governments in Western Australia:

- vary in size from less than 1.5 to over 370,000 square kilometres;
- have populations of just over 100 to more than 220,000 people;
- employ fewer than 10 to over 1000 staff; and
- have revenue (2019-20) ranging from just over $2 million to just over $225 million[14].

Bush Fire Service and Volunteerism

The localised culture and history of BFBs in WA has had a large influence on the way that Local Governments engage with and manage BFBs. Many BFBs operate in an independent and self-sufficient way, which Local Governments encourage and support, as this contributes to expansion of the volunteer network in the local community, while also building community networks and resilience.

Communities, and therefore many Local Governments, have a significant interest in volunteering and BFBs, with some Local Governments very involved in the establishment, management and operation of their local BFBs. Therefore it is essential that any future management arrangements, including the transfer of responsibility for management of BFBs to the State Government, should be a voluntary process available to Local Governments that do not have the capacity, capability or resources to manage BFBs. It is also essential that the integrity of the Bush Fire Service is maintained, whatever the arrangements for the management of BFBs.

[12] Data provided by LGIS, 17 May 2022
[13] 2021 Local Government Emergency Management Capability report - SEMC
[14] Department of Local Government, Sport and Cultural Industries

Options for future management of BFBs

Four options are identified for the future management of BFBs:

1. Status quo - continue with the current arrangements for management of BFBs whereby the majority are managed by Local Government and transfer arrangements are negotiated on an ad hoc basis between DFES and Local Governments (or their BFBs).

2. Improvements - continue with the current arrangements for Local Government management of BFBs with additional support provided by the State Government with respect to increased funding and better access to training resources and other support.

3. Hybrid Model - Local Government continues to manage BFBs where they have the capacity, capability and resources to do so; however where they do not have the capacity, capability and resources, responsibility for management of BFBs is transferred to DFES.

4. Transfer - Responsibility for management of all BFBs is transferred to the State Government, consistent with the arrangements in other States and Territories.

Proposed Position

Based on the feedback received from Local Governments in the WALGA Emergency Management Survey and the other considerations outlined above, it is considered appropriate for the Association to **support a hybrid model** for the management of BFBs.

A hybrid model would enable the continued management of BFBs by those Local Governments with capacity, capability and resources to do so, while providing a framework for the transfer of the management of BFBs to the State Government where a Local Government does not.

Whatever the arrangements for future management of BFBs, it is apparent that Local Governments with responsibility for management of BFBs require **additional support and resourcing** which should be provided by the State Government, including:

- development of a suite of guidelines and resources to assist Local Governments in their management of BFBs, particularly with respect to the discharge of obligations under the *Work Health and Safety Act 202*1;
- expansion of the Community Emergency Services Manager Program (CESM) so that every Local Government with responsibility for managing BFBs has access to the Program if they wish to participate;
- universal access to DFES training for BFBs; and
- development of mandatory and minimum training requirements including recognition of competency for volunteers.

Based on the previous commentary, the following Advocacy Position is proposed:

Management of Bush Fire Brigades

1. The Association advocates that the State Government must provide for:

a) A clear pathway for Local Governments to transfer responsibility for the management of Bush Fire Brigades to the State Government when ongoing management is beyond the capacity, capability and resources of the Local Government;

b) The co-design of a suite of relevant guidelines and materials to assist those Local Governments that manage Bush Fire Brigades;

c) Mandatory and minimum training requirements for Bush Fire Brigade volunteers supported by a universally accessible training program managed by the Department of Fire and Emergency Services (DFES); and

d) The recognition of prior learning, experience and competency of Bush Fire Brigade volunteers.

2. That a Working Group comprising representatives of WALGA and DFES be established to develop a process and timeline for the transfer of responsibility for Bush Fire Brigades in accordance with 1(a).

3. Where management of Bush Fire Brigades is transferred to DFES in accordance with 1(a), DFES should be resourced to undertake the additional responsibility.

How to Provide a Response to this Paper and Proposed Position

WALGA strongly encourages all Local Governments, and particularly those with responsibility for managing Bush Fire Brigades to provide a response to this Paper and the proposed Advocacy Position. Council endorsed responses are preferred but not essential.

The following questions are provided for Local Governments to consider:

1. Does your Local Government manage BFBs?
2. Does your Local Government support the proposed Advocacy Position on arrangements for the management of Bush Fire Brigades? Why or why not?
3. Does your Local Government have any further suggestions or changes to the proposed Advocacy Position?
4. For Local Governments that manage BFBs, is your Local Government's preference to continue to manage BFBs or to transfer responsibility to the State Government?
5. Is your response endorsed by Council? If so, please include the Council paper and resolution.
6. Do you have any further comments to make?

Responses can be provided by way of written submission or by completion of the online survey.

Please provide written submissions by **5pm Friday 8 July 2022** to em@walga.asn.au (Subject line: Bush Fire Brigade Advocacy Position).

WALGA will review the feedback received and prepare a report for consideration by WALGA Zones and State Council in September 2022.

APPENDIX ONE - Proposed Emergency Management Advocacy Position Statements

(Positions to be considered at July 2022 State Council Meeting)

8 Emergency Management

Local Governments in Western Australia play a significant role in emergency management. Both Commonwealth and State Government policy identify Local Government as a key player in community disaster resilience, preparedness and response. Local Governments however face a few challenges in addressing their emergency management responsibilities, and these challenges differ greatly across the State.

8.1 Emergency Management Principles

1. The State Government bears fundamental responsibility for emergency management and has the role of providing strategic guidance, support and services for emergency management activities in Western Australia.
2. The State Government should provide financial and resourcing support as necessary to enable Local Governments to adequately deliver their extensive emergency management roles and responsibilities under the State Emergency Management Framework.
3. The Local Government Sector should be engaged as a partner in policy and legislative reviews that impact Local Government emergency management roles and responsibilities.

8.2 State Emergency Management Framework

Local Governments are supported to undertake their emergency management responsibilities by a simple and streamlined State Emergency Management Framework with the primary objectives of:

1. Protecting people, the economy, and the natural environment from disasters;
2. Supporting communities in preventing, preparing for, responding to and recovering from emergencies;
3. Clearly outlining roles, responsibilities and accountabilities for Local Government and other emergency management stakeholders;
4. Scalability and adaptability that supports Local Governments of varied capacity and capability; and
5. Supporting agency interoperability through common systems and approaches to key activities including data management, communications, and hazard management.

8.3 Sustainable Grant Funding Model for Emergency Management

Local Government should be empowered to discharge its emergency management responsibilities through sustainable grant funding models that support a shared responsibility and all hazards approach to prevention, preparedness, response and recovery from natural disasters. A sustainable grant funding model for Local Government emergency management:

1. empowers Local Governments to undertake proactive approaches to preparedness, prevention, response and recovery;

2. supports the resilience of local communities through capacity-building activities and programs;

3. is responsive to the variations in Local Government resourcing and context

4. develops the skills, capacity and capability of the emergency management workforce; and

5. is consistent, flexible, timely, accessible, scalable, strategic and the guidance provided is comprehensive.

8.4 Consolidated Emergency Services Act

1. The Association advocates for the development of a Consolidated Emergency Services Act to provide a comprehensive and contemporary legislative framework to support the effective delivery of emergency services in Western Australia. The Legislation should clearly define the roles and responsibilities of all emergency management stakeholders including Local Government.
2. The Local Government sector seeks ongoing engagement in the scoping and co-design of the Act and associated Regulations and supporting materials such as Guidelines and fact sheets.
3. The Association advocates for DFES to undertake a full costing analysis of the new Act and to provide to Local Government details of the cost implications prior to the release of any Exposure Draft Bill.
4. Any new or increased responsibilities placed on Local Government by the Consolidated Emergency Services Act must be accompanied by funding and resource support to enable Local Governments to adequately discharge those responsibilities.
5. The Association recognises that in addition to the Consolidated Emergency Services Act, the Regulations and other supporting materials that are developed to support it provide a key resource for Local Governments in understanding and discharging their legislative obligations.
6. The Association advocates for the Act to provide clear guidelines for the process for transferring responsibility for bushfire incident response from Local Government to DFES.

8.5 Resource Sharing

Local Governments and the Association support resource sharing across the Local Government Sector for the purpose of emergency management, to support Local Governments to undertake effective and timely response and recovery to emergencies as well as conduct business as usual. The Association will endeavour to facilitate support to the sector in undertaking resource sharing arrangements.

8.6 Lessons Learnt Management

The Association advocates for the implementation of a transparent and contemporary assurance framework for emergency management lessons management overseen by the State Emergency Management Committee. Findings from inquiries and reviews, and progress on implementation of recommendations, should be publicly reported regularly and consistently.

8.7 Emergency Services Levy

Local Government requests the implementation of the recommendations from the 2017 Economic Regulation Authority (ERA) Review of the Emergency Services Levy, which supported increased transparency and accountability in the administration and distribution of the ESL through:

1. Expansion of the ESL to fund Local Government emergency management activities across prevention, preparedness and response.

2. Administration of the ESL by an independent organisation that is funded through consolidated revenue, with regular independent reviews of expenditure and assessment of the effectiveness of ESL funding expenditure to support prevention, preparedness and response activities.

3. The ESL administration fee should recompense Local Governments for the complete cost of administering the ESL.

4. Public disclosure of the allocation and expenditure of the ESL.

5. Public disclosure by the State Government on the progress of implementation of each of the ERA Review recommendations.

6. A review of the role, responsibilities and reporting arrangements of the Community Emergency Services Manager (CESM) Program.

8.8 Local Government Grants Scheme (LGGS)

Local Government supports:

1. A full, independent review of the LGGS to investigate and analyse how ESL funds are allocated to Local Government via the LGGS;
2. A redesign of the LGGS to remove the ineligible and eligible list and create a sustainable, modern, equitable grants program that funds Local Government emergency management activities across prevention, preparedness and response
3. An audit of existing buildings, facilities, appliances, vehicles, and major items of equipment for both Local Government Volunteer Bushfire Brigades (BFB) and State Emergency Services (SES) to inform the preparation of a Comprehensive Asset Management Plan and to guide future funding requests;
4. in the interim, an immediately increase in the quantum of State Government funding to enable the provision of funding of operating and capital grant applications in full, to provide all resources necessary for the safe and efficient operation of Local Government Bushfire Brigades, in accordance with obligations of the Work Health and Safety 2020 legislation.

8.9 Expansion of the Community Emergency Services Manager (CESM) Program

That the Association advocates for an expansion of the Community Emergency Service Manager (CESM) Program, as follows:

1. All Local Governments should have the option of participating in the CESM Program.
2. The full cost of the CESM Program should be funded through the Emergency Services Levy.

8.10 Management of Bush Fire Brigades

To be developed.

INFOPAGE

To: **All Local Governments**

From: Susie Moir, Resilient Communities Policy Manager

Date: 20 May 2022

Reference: **05-024-02-0059SM**

Priority: High

Subject: **Proposed Advocacy Position on Arrangements for Management of Volunteer Bushfire Brigades**

Operational Area:	**CEO, Emergency Management**
Key Issues:	• The Association is consulting the Local Government sector on a proposed Advocacy Position on the arrangements for management of volunteer Bush Fire Brigades. • Responses to the proposed Advocacy Position Paper are requested by **8 July 2022**. • Sector feedback will inform a final position to be considered by WALGA State Council in September 2022.
Action Required:	• Local Governments are encouraged to provide a written response or submit a response through the survey. • A formal Council resolution will assist the Association understand the sentiment of the sector.

Background

Western Australian Local Governments have extensive roles and responsibilities embedded in the State Emergency Management Framework across the emergency management spectrum of prevention, preparedness, response, and recovery. Under the *Bush Fires Act 1954*, Local Governments have responsibility for bushfire and the management of volunteer Bush Fire Brigades (BFBs). 111 Local Governments manage 563 BFBs involving approximately 20,000 volunteers.

As part of WALGA's 2021 Emergency Management Survey, Local Governments were asked about their level of satisfaction with current arrangements for managing BFBs. 92 Local Governments (69 of which manage BFBs) provided the following feedback:

- 93% were not wholly satisfied with the current arrangements for the management of BFBs; and
- 51% expressed that their Local Government does not support the requirements for Local Governments to manage BFBs.

The State Government is currently drafting the *Consolidated Emergency Services Act* (CES Act), which consolidates the *Fire Brigades Act 1942*, *Bush Fires Act 1954* and Fire and Emergency Services Act 1998 into a single piece of legislation, anticipated to be released as a Green Bill for consultation in early 2023.

The introduction of the *Work Health and Safety Act 2020* has also shone a spotlight on Local Government responsibilities for managing volunteer BFBs.

Comment

The development of the CES Act represents a important and timely opportunity for the sector to determine its position on the management of volunteer BFBs. An endorsed advocacy position will guide the Association in its engagement with the State Government on this issue.

WALGA has prepared the attached proposed Advocacy Position for the sector's consideration.

An six week period for sector consultation is designed to enable Local Governments to engage with relevant stakeholders, including volunteers, and for Councils to consider their position. Feedback on the proposed position will be reviewed and inform a final position to be considered by WALGA State Council in September 2022.

Further information

Please contact WALGA's Resilient Communities Policy Manager, Susie Moir smoir@walga.asn.au or 9213 2058**.**

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Hon Reece Whitby MLA
Minister for Emergency Services; Racing and Gaming; Small Business; Volunteering

Our Reference: 79-02099

Mr Shane Love MLA
Member for Moore
1/17 Moreton Terrace
DONGARA WA 6525

Dear Mr Love Shane

Thank you for your email regarding Workplace Health and Safety legislation changes and Local Government volunteer bushfire brigades. I apologise for the delay in responding to you.

The safety of first responders including volunteers is critical to maintain a safe environment for our communities. The hazard of bushfire is the responsibility of the FES Commissioner. I referred your questions to the Department of Fire and Emergency Services (DFES) and have attached the Department's response for your information. The Work, Health and Safety legislation is the responsibility of the Department of Mines, Industry Regulation and Safety. I have forwarded your correspondence to the Minister for Industrial Relations for his information and consideration.

I can advise that DFES, like other State agencies which are responsible for compliance with the new legislation and its regulations, has always had a strong duty of care towards State agency or local government staff, volunteers, farmers, and contractors who respond to bushfires as prescribed by the *Bush Fires Act 1954.*

Thank you again for sharing your constituents concerns and for your commitment to enhanced bushfire safety in Western Australia.

Yours sincerely

Reece Whitby MLA
MINISTER FOR EMERGENCY SERVICES

Att 16 DEC 2021

Dumas House, 2 Havelock Street, West Perth, Western Australia, 6005
Telephone +61 8 6552 6300 Email: Minister.Whitby@dpc.wa.gov.au
https://www.premier.wa.gov.au/Ministers/Reece-Whitby

RECEIVED 5/1/22

Q1 - Training – is it "Once Trained – Always Trained" or is there a need for refresher training courses to be conducted periodically

A - As part of normal fire season preparation and risk management, many Bush Fire Brigades and local governments conduct pre-season refresher training on subjects such as being able to activate crew protection equipment in the event of a burn over and basic firefighting skills. While no formal requirement for refresher training exists, the introduction of the Act is not expected to change this requirement. However, all members of brigades are encouraged to maintain their skills by actively participating in training activities and planned burns.

Q2 - Are FCO, Volunteers & Elected members captured as liable entities as an "Other" under Section 29 of the WHS Act

A - It is DFES' interpretation of section 4A of the Act that a Fire Control Officer, volunteer, or elected member are not included in the definition of an 'Officer', as they have the duties of a 'Worker' in accordance with section 7. The Local Governments should seek their own advice regarding the legal interpretation of the Act.

Q3 - What is considered a critical number of Brigade members for a Brigade to be viable (e.g. some Brigades in the Shire have only 3 or 8 members actually registered

A - Local government Bush Fire Brigade viability is based on the average number and frequency of incidents the brigade attends, the brigade's capability, and the number of fire appliances in the brigade which reflect local and regional bushfire risk profiling. DFES regional staff review the annual risk profile with local governments to ensure response capability is appropriate.

Q4 - Is it possible to merge Brigades in the Shire to minimise the expected administrative red tape expected to be imposed on the Brigades & LGA (e.g. could there simply be one Brigade across the whole Shire

A - *The Bush Fires Act 1954* Division 2 Section 41 outlines that Local Governments, in accordance with its local laws, can establish, maintain, or cancel the registration of a Bush Fire Brigade. It does not stipulate how many Bush Fire Brigades are required as this is a matter of risk management determination for the local government. DFES regional staff will assist local government in this matter as required.

Q6 - How is an LGA expected to monitor the standard of private landowner vehicles attending a fire? If an accident happens and the FCO and/or LGA is not aware of an untrained person or substandard vehicle being involved in the incident, is the FCO or LGA still responsible under the legislation

A - The Local Government should seek advice from WALGA regarding the legal interpretation of the Act. A farmer providing initial response has a duty of care to their workers and must take "reasonably practicable" steps to ensure the safety of the workers which would include the provision of safety training, the provision of safety equipment and clothing, awareness of local environmental conditions, and where appropriate, supervision. Should a local government be involved in the management of fire being attended by farmer response units, the same duty of care to take "reasonably practicable" steps applies to the local government which would be deemed to be the "Person Conducting the Business Undertaking".

Q7 - Can the legislation be amended to include the ability for the LGA to insure the Officer, Elected Members, Volunteers if they are achieving a minimum operational standard for volunteers, staff, contractors. It is our understanding the current legislation does not permit insurance to be taken out for this purpose.

A - The legislation has been specifically designed to ensure senior Officers of organisations cannot "hide" behind insurance.

Q8 - Will the State Government consider additional resources to be paid to LGAs via the ESL to assist with bringing volunteer training, PPE, operational standards, etc. up to a satisfactory level or is this simply another example of legislation being imposed upon LGAs without any consideration of ramifications and additions resource & cost requirements placed on the Ratepayer?

A - Local Governments are provided with ongoing funding through the Local Government Grants Scheme Operating Grants to fund volunteer training and protective equipment/clothing requirements. Annual expenditure on safety equipment and clothing incurred by local governments for their volunteers has steadily risen since the introduction of the Emergency Services Levy and is currently around $1.5m per annum reflecting a regular and ongoing commitment by local governments to providing their volunteers with appropriate personal protection. The new Act is not changing safety equipment or clothing requirements for volunteers and no additional funding is required.

DFES has proven and comprehensive Standard Operating Procedures and training materials available for all local government volunteers use free of charge. DFES routinely reviews the adequacy of these materials after major events and is already funded for maintenance of these assets.

Q9 - Has the State Government considered legislating the head of power for Bushfire Control from the LGA to DFES if an LGA cannot meet a minimum standard or the LGA requests this transfer? This will remove the current patchwork situation across the State of LGAs being poor, average, or compliant?

A - The FES Commissioner is the Hazard Management Agency for fire. The Controlling Agencies include DFES, DBCA, and local governments. Local governments are the controlling agency in local government districts outside of gazetted fire districts and DBCA land.

Q10 - The chain of responsibility & liability when a fire moves from landowner to LGA Brigades to DFES remains ambiguous and needs clarity asap.

A - The *Bush Fires Act 1954* Section 13 outlines the ability of Local Governments to request transfer control of all operations in relation to a fire; Section 28 outlines the requirements of an occupier of land to extinguish bush fire occurring on own land, and Section 44 outlines the powers and authorities of officers of bush fire brigades for the purpose of controlling and extinguishing a bush fire.