



LOCAL EMERGENCY MANAGEMENT PLANS

## EMERGENCY RISK MANAGEMENT PLAN

2016



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Yalgoo LEMC	All members (Refer to Appendix 1)	1	1
DFES District Office Geraldton			
CEMO Geraldton District Office			

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This plan is available on the Shire of Yalgoo website [www.yalgoo.wa.gov.au](http://www.yalgoo.wa.gov.au) and is available for viewing at the Shire administration facilities outlined above.

## Amendment Record

Amendment		Details	Amended by No.
No.	Date		
1	January 2016	Development and Drafting for comment	L. Winter
2	February 2016	comments and amendments	S. Brenzi
3	March 2016	Endorsement and adoption	S. Brenzi
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## Acronyms & Definitions

*Refer to the General Plan and current Australian Emergency Management Glossary for full list of terms and definitions*

BOM	Bureau of Meteorology
CBFCO	Chief Bush Fire Control Officer
CEO	Chief Executive Officer
CPFS	Department of Child Protection & Family Support
DCBFCO	Deputy Chief Bush Fire Control Officer
DFES	Department of Fire & Emergency Services
DO	District Officer
DOT	Department of Transport
DOW	Department of Water
DPAW	Department of Parks & Wildlife
DPI	Department of Primary Industry
EHO	Environmental Health Officer
EM	Emergency Management
EMA	Emergency Management Australia
ERM	Emergency Risk Management
FCO	Fire Control Officer
FRS	Fire & Rescue Service
HMA	Hazard Management Agency
LEMC	Local Emergency Management committee
SES	State Emergency Service
SOY	Shire of Yalgoo
VFRS	Volunteer Fire & Rescue Service
WAPOL	Western Australia Police
YVBFB	Yalgoo Volunteer Bush Fire Brigade

# 1. Introduction

## 1.1 Overview of Emergency Risk Management –Initial assessment

Emergency risk management (ERM) is a process that involves dealing with risks to the community arising from emergency events. It is a systematic method for identifying, analysing, evaluating and treating emergency risks. Risk treatments include prevention and preparedness as well as provision for response and recovery should an emergency event occur.

The Shire of Yalgoo has produced an initial risk analysis from known threats and past emergency events both in Yalgoo and at a regional level. They are by no means conclusive and only act as a guide to future endeavours within the ERM process.

It is envisaged that with appropriate grant funding the LEMC will process further information to detail the risks identified and create a more conclusive risk statement schedule. This information will be integrated together to develop the risk treatment schedules that form part of the Yalgoo Emergency Management Plans

## 1.2 Risk Evaluation Criteria

### Criterion 1.

Any reasonably preventable event resulting in loss of life is unacceptable.

### Criterion 2

Any reasonably preventable event resulting in serious injury is unacceptable.

### Criterion 3

Any reasonable preventable matter that will affect the health and well-being of the Community would be considered as unacceptable.

### Criterion 4

Any reasonably preventable activity or incident that will have a medium to long term, or permanent effect on the environment is unacceptable.

### Criterion 5

Any reasonably preventable activity or accident that will cause closure or seriously disrupt normal business activity is unacceptable

### Criterion 6

Any reasonably preventable activity or accident that will cause closure or seriously disrupt Community lifelines or services is unacceptable.

### Criterion 7

Any reasonably preventable activity or accident that will have long term or permanent effects on the cultural assets and values of the Community is unacceptable

## 2. Risks Identified

The Shire of Yalgoo is has been subject to the following risks identified through past experiences both local and regional, as well as events that have appeared on a world stage that Yalgoo, even though isolated, are still not immune. These could result in a disaster or major emergency situation requiring all or part of the Shire's resources, and maybe that of others, to overcome.

### **Rural Fire**

A seasonal threat principally during the months of November to April

### **Urban Fire**

Property fires occurring within Yalgoo are dealt with by the YVBFB as no town sites within Yalgoo are gazetted fire districts for which FRS are responsible for (Fire Brigades Act).

### **Storm / Flood**

A seasonal threat principally during the months of January and February.

### **Cyclone / Tornado**

A seasonal threat principally during the months of January and February where cyclone aftermath could effect Yalgoo.

### **Major Building Fire and Explosion**

Besides household fires, industrial and commercial buildings which do not have fire detection systems pose a threat.

### **Hazardous Materials Incident**

Could result from a road accident or industrial site accident. This could pose a real threat to transport routes in and around the Yalgoo Shire area. .

### **Transport Accidents**

The Shire has within it two major arterial roads and many other roads that carry the complete range of vehicles transporting cargoes and numbers of people.

### **Exotic Animal Disease – Bio Security**

This threat could threaten livestock through the pastoral areas. This threat could arise from the contamination of water supplies or food products, or viral infection.

### 3. Risk Statement Schedule

Through the local and regional history, there is a possibility for five major risks evaluated using the EMA risk qualitative matrix method. The following risk statement schedule was formulated and consequentially Risk Treatment Schedules were formulated.

	<b>RISK STATEMENT</b>	<b>Likelihood</b>	<b>Consequence</b>	<b>Level of Risk</b>	<b>Priority</b>
	<b>1. RURAL FIRE</b>				
1.1	There is a risk that a rural fire will cause loss of life or serious injury	Possible	Moderate	High	
1.2	There is a risk that a rural fire will cause substantial property damage to 2 or more homes	Possible	Moderate	High	
1.3	There is a risk that a rural fire will cause property damage to infrastructure services for periods greater than 24 hours	Unlikely	Moderate	Medium	
1.4	There is a risk that a rural fire will cause medium, long term or permanent damage on the environment	Possible	Moderate	High	
1.5	There is a risk that a rural fire will affect the economic and social wellbeing of the affected Community	Unlikely	Minor	Low	
	<b>2.URBAN FIRE</b>				
2.1	There is a risk that an urban fire will cause loss of life or serious injury	Possible	Moderate	High	
2.2	There is a risk that an urban fire will cause substantial property damage to 2 or more buildings	Rare	Moderate	Medium	
2.3	There is a risk that an urban fire will cause property damage to infrastructure services for a period greater than 24 hours	Rare	Moderate	Medium	
	<b>3. STORM / FLOOD</b>				
3.1	There is a risk that a severe storm/flood will cause serious injury or loss of life	Rare	Moderate	Medium	
3.2	There is a risk that a severe storm/flood will cause substantial property damage requiring external resources to be employed for 12 hours or more	Possible	Moderate	High	
3.3	There is a risk that a severe storm/flood will threaten the health of those in the affected areas	Unlikely	Minor	Low	
3.4	There is a risk that a severe storm/flood will cause closure and seriously disrupt normal business activity for 24 hours or more	Possible	Moderate	High	
3.5	There is a risk that a severe storm/flood will cause closure or seriously disrupt infrastructure or services for 12 hours or more	Unlikely	Moderate	Medium	



## 4. Risk Treatment Plans

### 4.1 Rural Fire

#### 4.1.1 Treatment Plan for Risk Statement 1.1

<b>RISK STATEMENT</b> There is a risk that rural fire will cause loss of life or serious injury			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Possible	Moderate	High	Yes
<b>VULNERABILITY DATA</b> Residents living in close proximity to bush land reserves/national parks and/or in rural settings and on the fringes of the Shire of Yalgoo would be vulnerable. The Shire has a significant highway traffic smoke risk. There is also a risk to emergency services personnel attending emergency.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> <b>HMA – DFES– YVBFB – DPAW – National Parks &amp; Crown Land (vested)</b> <b>Support Agencies – SOY, WAPOL, Main Roads &amp; Lifeline Agencies</b>			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>			<b>AGENCY</b>
Installation of Fire Breaks/Fire Prevention Measures			SOY, DFES & DPAW
Media Campaigns & Information Brochures			SOY & DFES
Enforcement of Legislation and Local Laws			SOY (Ranger Service)
Fire Response Plans			SOY, YVBFB & DFES
Rural/Urban interface Bush Land Management Plans			SOY
Inter agency liaison			SOY, YVBFB & DFES
LEMC EM Plans (review 20121)			SOY - LEMC
Training Fire Brigade Members			SOY, YVBFB & DFES
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order			SOY and DFES
Conduct school education programs to present fire awareness and prevention messages and procedures			DFES and SOY
Education campaign for residents adjacent to bushland reserves			DFES & SOY
Awareness and enforcement campaign with residents.			SOY (Emergency Management)
Improving/installing firebreaks on bushland reserves			SOY, DPAW, DFES
LEMC EM Plans (Review 2021)			SOY & LEMC
<b>EXISTING RESPONSE STRATEGIES</b>			
LEMC EM Plans (Review 2021)			SOY & LEMC
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>			
Training of Emergency Services personnel and volunteers			SOY, DFES
Local Emergency Plans/Recovery Plan to be Reviewed 2021			SOY & LEMC
LEMC Recovery Coordinator to be appointed			SOY
CPFS engaged at Local Recovery Level			LEMC

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>		<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order		SOY (LEMC) DFES, DPAW
2. Access resources to implement prevention strategies such a fire breaks and/or other fire prevention measures		SOY
3. Education campaign for residents adjacent to bushland reserves		DFES & SOY
4. Awareness and enforcement campaign with residents		SOY (Ranger Services )
5. Review LEMC Plans/Recovery Plan		SOY - LEMC
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> SOY, YVBFB and DFES, DPAW		
<b>PRIORITY STATUS</b> HIGH		
<b>IMPLEMENTATION</b> All treatment options to be SOY completed by		
<b>BUDGET CONSIDERATIONS</b> Treatments to be funded from SOY and DFES. AWARE grant program funding to be sought to assist implementation. Seek other funding sources		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

#### 4.1.2 Treatment Plan for Risk Statement 1.2

<b>RISK STATEMENT 1.2</b> There is a risk that a rural fire will cause substantial property damage to 2 or more homes			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Possible	Moderate	High	Yes
<b>VULNERABILITY DATA</b> Residents living in close proximity to bushland reserves and/or in rural settings and on the fringes of the Shire of Yalgoo or DPAW reserves.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> <b>HMA</b> – DFES FRS (gazette areas) - YVBFB– DPAW - National Parks & Crown Land (vested) <b>Support Agencies</b> – SOY, WAPOL, Main Roads & Lifeline Agencies			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Installation of Fire Breaks & Fire Prevention Measures		SOY & DPAW	
Media Advertising & Information Brochures; SOY Web Site		SOY	
Enforcement of Legislation & Local Laws		SOY (Ranger Services)	
Fire Response Plans		DFES & YVBFB	
Urban Bush Land Management Plans		SOY	
Inter – agency Liaison		SOY, DFES, DPAW & BFB	
Media campaigns aimed at use of smoke detectors		DFES	
LEMC EM Plans		LEMC	
Training Fire Brigade Members		DFES & YVBFB (SOY)	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order		SOY & DFES	
Attendance at schools by officers to present fire awareness and prevention messages and procedures		SOY & DFES	
Education campaign for residents adjacent to bushland reserves		SOY (Ranger Services & Emergency Management) & DFES	
Awareness and enforcement campaign with residents		SOY	
Installation of Limestone Fire Breaks on SOY Reserves		SOY	
LEMC EM Plans (Review 2021)		SOY & LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
Police respond to fire calls as necessary		WAPS	
LEMC Plans/Recovery Plan (Review 07/08)		SOY & LEMC	
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>			
Training of Emergency Services personnel and volunteers		DFES & YVBFB (SOY)	
Review LEMC Plans/Recovery Plan		SOY - LEMC	
Appoint LEMC Recovery Coordinator		SOY - LEMC	
Engage CPFS at local recovery level		LEMC	

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>		<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order		SOY, DFES & DEC
2. Access resources to implement prevention strategies such a fire breaks and/or other fire prevention measures		SOY
3. Education campaign for residents adjacent to bushland reserves		DFES & SOY
4. Awareness and enforcement campaign with residents		SOY (Ranger Services)
5. Review LEMC Plans/Recovery Plan		SOY - LEMC
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> SOY and DFES,		
<b>1. PRIORITY STATUS</b> HIGH		
<b>IMPLEMENTATION</b> All treatment options to be completed by		
<b>BUDGET CONSIDERATIONS</b> Treatments to be funded from SOY and DFES budget. AWARE program funding to be sought to assist implementation Seek other funding sources		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

### 4.1.3 Treatment Plan for Risk Statement 1.3

<b>RISK STATEMENT 1.3</b> There is a risk that a rural fire will cause property damage to infrastructure services for periods greater than 24 hours			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Unlikely	Moderate	Medium	No
<b>VULNERABILITY DATA</b> Infrastructure, buildings and life lines communications, power etc) in close proximity to bushland reserves and/or in rural settings and on the fringes of the Shire of Yalgoo or DPAW reserves.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> HMA – DFES (gazette area) – YVBFB – DPAW – National Parks & Crown Land (vested). <b>Support Agencies</b> – SOY, WAPOL, Main Roads & Lifeline Agencies.			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Installation of Fire Breaks/Fire Prevention Measures		SOY, DFES & DPAW	
Media advertising & Information Brochures; SOY Web Site		SOY	
Enforcement of Legislation and Local Laws		SOY	
Fire Response Plans		SOY, YVBFB & DFES	
Inter – Agency Liaison		SOY, YVBFB & DFES	
LEMC EM Plans		SOY - LEMC	
Training Fire Brigade Members		SOY, YVBFB & DFES	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order		SOY; DFES & DPAW	
Conduct school education programs to present fire awareness and prevention messages and procedures		SOY & DFES	
Education campaign for residents adjacent to bushland reserves		DFES & SOY	
Awareness and enforcement campaign with residents		SOY (Ranger Services)	
Improve/install firebreaks on SOY and DPAW reserves		SOY	
LEMC EM Plans (Review 2021)		SOY & LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
Police respond to fire calls as necessary		WAPOL	
LEMC EM Plans/Recovery Plan (Review 2021)		SOY - LEMC	

<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Training of Emergency Services personnel and volunteers	DFES and SOY
LEMC EM Plans/Recovery Plan be reviewed 2021	SOY - LEMC
LEMC Recovery Coordinator to be appointed	SOY
Engage CPFS at local recovery level	LEMC

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order	SOY (LEMC) DFES (Gazetted Area)
2. Access resources to implement prevention strategies such a fire breaks and/or other fire prevention measures	SOY & DPAW
3. Education campaign for residents adjacent to bushland reserves	DFES & SOY
4. Awareness and enforcement campaign with residents in identifies areas	SOY (Ranger Services)
5. Review LEMC Plans/Recovery Plan (2021)	SOY - LEMC

**RESPONSIBLE AGENCY/INDIVIDUAL**

SOY and DFES

**1. PRIORITY STATUS**

Medium

**IMPLEMENTATION**

All treatment options to be completed by

**BUDGET CONSIDERATIONS**

Treatments funded from SOY and DFES budget. AWARE program funding to be sought to assist implementation.

Seek alternative funding sources.

**MONITOR AND REVIEW**

LEMC to monitor and review annually

**APPROVAL FOR RECOMMENDATION IMPLEMENTATION**

<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

#### 4.1.4 Treatment Plan for Risk Statement 1.4

<b>RISK STATEMENT 1.4</b>			<b>DATE:</b>
There is a risk that a rural fire will cause medium, long term or permanent damage on the environment			
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Possible	Moderate	High	Yes
<b>VULNERABILITY DATA</b>			
Natural bushland in rural settings on Shire of Yalgoo or DPAW reserves			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b>			
HMA – DFES (gazette areas) – YVBFB – DPAW – National Parks & Crown Land (vested)			
<b>Support Agencies</b> –SOY, WAPS & Lifeline Agencies			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Installation of fire breaks/fire prevention measures		SOY & DPAW	
Media advertising, information brochure & SOY web site		SOY	
Enforcement of legislation & local laws		SOY (Ranger Services)	
Fire Response Plans		SOY, YVBFB, DFES, DPAW	
Inter-agency liaison		SOY, YVBFB, DFES, DPAW	
LEMC Plan		SOY – LEMC	
Training Fire Brigade members		SOY, YVBFB & DFES	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order		SOY, DFES & DPAW	
Education campaign for residents adjacent to bushland reserves		DFES & SOY	
School education programs presenting fire awareness, prevention & procedures		SOY & DFES	
Awareness and enforcement program on fire prevention/preparedness strategies		SOY & DFES	
Improving/installing firebreaks on SOY reserves		SOY	
Review LEMC Plans		SOY – LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
Existing fire mobilization plan in place		DFES communications Centre	
YVBFB has a callout response system backed up by pagers and mobile phone networks		DFES communications Centre	
Police respond to all fire calls as necessary		WAPOL	
LEMC EM Plans		SOY - LEMC	
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>			
Training of Emergency Services personnel and volunteers		DFES and SOY	
LEMC EM Plan/Recovery Plan to be Reviewed 2021		SOY – LEMC	
Engage CPFS at local recovery level			
Appoint LEMC Recovery Coordinator		SOY	
Develop communication links with other state and infrastructure agencies and local media		SOY	

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>		<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order		SOY , DFES & DPAW
2. Access resources to implement prevention strategies such a fire breaks and/or other fire prevention measures		SOY, DFES & DPAW
3. Education campaign for residents adjacent to bushland reserves		DFES & SOY
4. Awareness and enforcement campaign with residents in identified areas		SOY (Ranger Services)
5. Review LEMC Plans/Recovery Plan (Review 2021)		SOY – LEMC
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b>		
SOY, DPAW and DFES		
<b>PRIORITY STATUS</b>		
HIGH		
<b>IMPLEMENTATION</b>		
All treatment options to be completed by		
<b>BUDGET CONSIDERATIONS</b>		
All treatments funded from SOY budget with DFES AWARE program funding to be sought to assist implementation. Other funding sources to be sought.		
<b>MONITOR AND REVIEW</b>		
LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>



#### 4.1.5 Treatment Plan for Risk Statement 1.5

<b>RISK STATEMENT 1.5</b> There is a risk that a rural fire will affect the economic and social wellbeing of the affected Community			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Unlikely	Minor	Low	No
<b>VULNERABILITY DATA</b> Residents, infrastructure services and emergency personnel involved in the management and recovery of the fire			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b>  SOY, YVBFB, DFES, WAPSOL, DPAW			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Installation of fire breaks and other fire prevention measures		SOY	
Media advertising, information brochures & SOY web site		SOY	
Enforcement of legislation & local laws		SOY	
Fire Response Plans		SOY, YVBFB, DFES & DPAW	
Inter-agency liaison		SOY, YVBFB, DFES & DPAW	
LEMC EM Plans		SOY – LEMC	
Training of fire brigade members		SOY, YVBFB & DFES	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order		SOY, DFES & DPAW	
Education campaign for residents adjacent to bushland reserves/identified areas		DFES & SOY	
School education programs on fire awareness, prevention & procedures		SOY & DFES	
Public awareness and enforcement program on fire prevention/preparedness strategies		SOY & DFES	
Improving/installing hard surface (crushed limestone) firebreaks on SOY reserves		SOY	
Review LEMC EM Plans (Review 2021)		SOY – LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
LEMC EM Plans/Recovery Plan (Review 2021)		SOY –LEMC	
Existing HMA Response Plans		SOY and DPAW	
Existing fire mobilisation plan		DFES communications Centre	
Police respond to fire calls as necessary		WAPOL	

<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Training of Emergency Services personnel and volunteers	SOY & DFES
Appoint LEMC Recovery Coordinator	SOY
LEMC EM Plans/Recovery to be Reviewed 2021	SOY –LEMC
Engage CPFS at local level	SOY – LEMC
Develop communication links with other state and infrastructure agencies and local media	SOY

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>	
1. Identification and recording of major risk areas in priority order	SOY, DFES & DPAW	
2. Access resources to implement prevention strategies such as fire breaks and/or other fire prevention measures	SOY, DFES & DPAW	
3. Education campaign for residents adjacent to bushland reserves	SOY & DFES	
4. Awareness and enforcement campaign with residents in identifies areas	SOY (Ranger Services & Emergency Management)	
5. Review LEMC Plans/Recovery Plans (Review 2021	SOY -LEMC	
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> SOY , DFES & DPAW		
<b>PRIORITY STATUS</b> LOW		
<b>IMPLEMENTATION</b> All treatment options to be completed by		
<b>BUDGET CONSIDERATIONS</b> Treatments funded from SOY budget with DFES AWARE program funding sought to assist implementation Other funding sources be sought		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

## 4.2 Urban Fire

### 4.2.1 Treatment Plan for Risk Statement 2.1

<b>RISK STATEMENT 2.1</b> There is a risk that an urban fire will cause loss of life or serious injury			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Possible	Moderate	High	Yes
<b>VULNERABILITY DATA</b> Residences not fitted with smoke detectors. Unsafe work practices in the home and commercial and industrial premises. Occupants at risk from fire caused by electrical fault, leaking gas bottles, naked flame from candles or being located in close proximity to bush land areas. Emergency workers assisting in recovery also at risk			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> HMA - YVBFB Support Agencies – SOY, Western Power, Telstra, Water Corporation & WAPOL			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Media promotion of fire safety awareness & smoke alarms		DFES	
Community & school education programs		DFES	
Training/up-skilling of fire brigade members		DFES & YVBFB	
Strategic fire breaks on the interface between bush lands and urban areas.		SOY	
Urban Bush Land Fire Management plans		SOY	
DFES Standard Operating Procedures (SOP)		DFES	
Building Code legislation & inspections		SOY & DFES	
Water resources & maintenance (hydrants)		Water Corp & DFES	
Hazmat Regulations		DFES	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Continue fire/smoke alarm awareness campaign targeting residents & businesses (smoke alarms now compulsory on new homes since 1997)		DFES	
Continue Community & schools education program to promote fire awareness and prevention/preparedness messages		DFES	
Promote reduction/trimming of vegetation around power lines		SOY, DFES & Western Power	
Develop strategies that reduce fire incidents in urban bush land areas		SOY & DFES	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
Existing fire mobilization plan – includes FRS & YVBFB		DFES communications Centre	
Existing DFES Standard Operating Procedures		DFES & YVBFB	
Water resources & maintenance (hydrants)		Water Corp & DFES	
Police respond to fire calls as required/necessary		WAPOL	
Non combat agencies respond on request		St John, SES, Western Power,	

	Telstra
Welfare Support Plans	CPFS & Support Agencies
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Current system appears to be functioning satisfactorily	

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>	
1. Continue Community & school education programs to promote fire awareness, prevention/preparedness message	DFES	
2. Continue fire/smoke alarm awareness campaign targeting residents & businesses (smoke alarms compulsory in new homes since 1997)	DFES	
3. Promote vegetation clearing around power lines	SOY, DFES & Western Power	
4. Develop strategies that reduce fire incidents in urban bush land areas	SOY & DFES	
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b>		
SOY and DFES		
<b>PRIORITY STATUS</b>		
HIGH		
<b>IMPLEMENTATION</b>		
All treatment options to be completed by		
<b>BUDGET CONSIDERATIONS</b>		
Fire breaks are included in SOY budget Smoke detectors are a resident owner cost. Seek DFES AWARE program or other funding to assist implementation.		
<b>MONITOR AND REVIEW</b>		
LEMC to monitor and review annually.		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

#### 4.2.2 Treatment Plan for Risk Statement 2.2

<b>RISK STATEMENT 2.2</b> There is a risk that an urban fire will cause substantial property damage to two or more buildings.			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Rare	Moderate	Medium	No
<b>VULNERABILITY DATA</b> Residences not fitted with smoke detectors. Unsafe work practices in the home and commercial and industrial premises. Property at risk from fire caused by electrical fault, leaking gas bottles, naked flame from candles or being located in close proximity to bush land areas.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> HMA - YVBFB Support Agencies – SOY, WAPOL, Western Power, Telstra, & Water Corporation			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>			<b>AGENCY</b>
Strategic fire breaks on the interface between bush lands and developed areas.			SOY
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Awareness campaign to have all homes fitted with smoke alarms. (This is now compulsory on new homes)			DFES, FRS
Attendance at schools by DFES officers to present fire awareness and prevention messages and procedures			DFES
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
YVBFB has a callout response system backed up by pagers and mobile phone networks			DFES
Police respond to all fire calls			
SES, Ambulance respond on request			SES St John Ambulance  Health Department CPFS
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>			
Current system appears to be working satisfactorily			

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>
1. Awareness campaign to have all homes fitted with smoke alarms. (This is now compulsory on new homes)	DFES
2. Strategic fire breaks on the interface between bush lands and developed areas	SOY
3. Attendance at schools by DFES officers to present fire awareness and prevention messages and procedures	DFES
4. Building inspections by DFES to check on fire prevention and awareness	DFES

<b>RESPONSIBLE AGENCY/INDIVIDUAL</b>		
SOY and DFES		
<b>PRIORITY STATUS</b>		
HIGH		
<b>IMPLEMENTATION</b>		
All treatment options to be completed by relevant agency.		
<b>BUDGET CONSIDERATIONS</b>		
Fire breaks are included in SOY budget Smoke detectors are a resident owner cost.		
<b>MONITOR AND REVIEW</b>		
LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

#### 4.2.3 Treatment Plan for Risk Statement 2.3

<b>RISK STATEMENT 2.3</b> There is a risk that an urban fire will cause property damage to infrastructure services for periods greater than 24 hours			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Rare	Moderate	Medium	No
<b>VULNERABILITY DATA</b> Closure of Highways and Local roads during treatment and recovery from fire. Disruption to overhead power lines (Pole fires) and fire damage to infrastructure buildings.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> HMA - DFES (gazette areas) – YVBFB Support Agencies – SOY, WAPOL, Water Corporation, Telstra, Western Power			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Fire break inspections carried out annually by Ranger Services		SOY	
Media campaigns aimed at use of smoke detectors		DFES	
Western Power maintenance of Power Lines		Western Power	
Prevention strategies such as road side maintenance		Main Roads, SOY	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Identification and recording of major risk areas in priority order		SOY (LEMC)	
Building inspections by DFES to check on fire prevention and awareness		DFES	
Education campaign for residents		DFES & SOY	
Awareness and enforcement campaign with residents		SOY (Ranger Services)	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
DFES responds to all fire calls		DFES	
YVBFB has a callout response system backed up by pagers and mobile phone networks		DFES	
Police respond to all fire calls			
SES, Ambulance respond on request Nursing homes and Hospital have evacuation procedures in place		SES, St John Ambulance Health Department CPFS	
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>			
Current system appears to be functioning satisfactorily			

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order	SOY (LEMC)
2. Access resources to implement prevention strategies such as road side maintenance, power pole maintenance	Main Roads, SOY and Western Power

3. Building inspections by DFES to check on fire prevention and awareness		DFES
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> HMA - DFES-FRS (gazette areas) – YVBFB Support Agencies – SOY, WAPOL, Telstra, , Water Corporation, Main Roads and Western Power		
<b>PRIORITY STATUS</b> HIGH		
<b>IMPLEMENTATION</b> All treatment options to be completed by		
<b>BUDGET CONSIDERATIONS</b> Treatment action 2 funded by Main Roads and Western Power Treatment option 3 funded by DFES		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>



## 4.3 Storm / Flood

### 4.3.1 Treatment Plan for Risk Statement 3.1

<b>RISK STATEMENT 3.1</b> There is a risk that a severe storm/flood will cause serious injury or loss of life			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Rare	Moderate	Medium	No
<b>VULNERABILITY DATA</b> Residents in low lying or flood prone areas, residents with storm damaged houses, elderly and infirm with disruption of power, water, communication or access to health care. Emergency workers assisting in recovery.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> SOY, CPFS, SES, WAPOL, Western Power, BOM, , Water Corporation			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Training of emergency service personnel		DFES – SES	
Provision of adequate resources		DFES – SES & SOY	
Standard Operating Procedures (SOP)		DFES – SES	
LEMC Emergency Management Plans		SOY -LEMC	
Weather warning alerts		BOM, DFES - SES	
Community education program		DFES – SES & BOM	
Building code & land use planning		SOY	
Flood Plain Management Plan		SOY & DEC	
Lifeline Agencies emergency plans		Western Power, , Telstra, Main Roads Water Corporation, Dept Water	
Health & welfare plans		Dept Health &	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Community & school education campaign for residents and commercial property owners in identified risk areas		SOY (LEMC) & DFES - SES	
Identification and recording of major risk areas in priority order in a risk register		SOY (LEMC) & DFES -SES	
Continue training of emergency service personnel		DFES - SES	
Continue to examine, test & validate plans		SOY & DFES - SES	
Review as necessary building codes & land use		SOY	
Review LEMC EM Plan/Recovery Plan (Review 2021)		SOY – LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
LEMC EM Plan/Recovery Plan		SOY – LEMC	
Existing HMA SOP		DFES – SES	
Trained & resourced emergency service personnel		DFES - SES	
Support services response/recovery plans		WAPS, St John Ambulance, Health Dept, CPFS	
Nursing homes, retirement facilities and Hospital emergency management plans in place		Health Department CPFS & Individual Facilities	
Weather warning alerts		BOM	

Lifeline organization emergency response/recovery plans	Western Power, , Telstra, Main Roads, Water Corp, Dept Water
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Continue training & resource emergency service personnel	DFES -SES
Timely advance weather warnings through the media	BOM
Review LEMC Plans/Recovery Plan (Review 2021)	SOY - LEMC
Appoint LEMC Recovery Coordinator	SOY - LEMC

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>	
1. Identification and recording of major risk areas in priority order in a risk register	SOY (LEMC) & DFES SES	
2. Community & school education campaign for residents and commercial property owners in close proximity to identified flood risk areas	SOY & DFES - SES	
3. Lifeline agencies to ensure appropriate emergency plans in place, tested & validated	Western Power, , Telstra, Main Roads, Water Corporation & Department of Water	
4. Timely advance weather warnings alerts through the media	BOM	
5. Community & school education programs designed to raise Community awareness	SOY & DFES - SES	
6. Ensure HMA have emergency response/ recovery plans in place & are tested & validated regularly	SOY (LEMC) & DFES -SES	
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> SOY, DFES - SES, Western Power, BOM		
<b>PRIORITY STATUS</b> MEDIUM		
<b>IMPLEMENTATION</b> All treatment options to be implemented by relevant HMA.		
<b>BUDGET CONSIDERATIONS</b> Treatments, other than 3, to be funded by SOY & or DFES. Further funding to be sought from DFES AWARE program or other sources. Treatment 3 to be funded from Lifeline agencies budget.		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

### 4.3.2 Treatment Plan for Risk Statement 3.2

<b>RISK STATEMENT 3.2</b> There is a risk that a severe storm/flood will cause substantial property damage requiring external resources to be employed for 12 hours or more			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Possible	Moderate	High	Yes
<b>VULNERABILITY DATA</b> Residents in low lying or flood prone areas, residents living in close proximity to large trees, motorists on roadways subject to falling trees, general public exposed to fallen power lines, general public and livestock exposed to the elements without protection, boats caught at sea			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> SOY, CPFS, SES, WAPOL, WESTERN POWER, BOM, , WATER CORP			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Training of emergency service personnel		DFES – SES	
Provision of adequate resources		DFES -SES & SOY	
Standard Operating Procedures (SOP)		DFES -SES	
LEMC Emergency Management Plans		SOY-LEMC	
Western Power continuous maintenance program		Western Power	
Weather warning alerts		BOM & DFES -SES	
Community education program		DFES –SES & BOM	
Building code & land use planning		SOY	
Floodplain Management Plan		SOY & DPAW	
Lifeline agencies emergency plans		Western Power, , Telstra, Main Roads, Water Corporation, Department Of Water	
Health & welfare plans		Department Of Health, CPFS &	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Education campaign for residents and commercial property owners in identified risk areas		SOY (LEMC) & DFES -SES	
Identification and recording of major risk areas in priority order in a risk register		SOY (LEMC) & DFES -SES	
Continue training of emergency service personnel		DFES -SES	
Continue to examine, test & validate plans		SOY-LEMC & DFES -SES	
Review as necessary building codes & land use		SOY	
Review LEMC EM Plans/Recovery Plan		SOY-LEMC	
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
LEMC EM Plans/Recovery Plans		SOY-LEMC	
Existing HMA SOP		DFES-SES	
Trained & resources emergency service personnel		DFES -SES	
Support services response/recovery plans		WAPS, St John Ambulance, Health Department & CPFS	
Nursing homes, retirement facilities & Hospital emergency		Health Department, CPFS &	

management plans	Individual Facilities
Weather warning alerts	BOM
Lifeline agencies emergency response/recovery plans	Western Power, , Telstra, Main Roads, Water Corporation & Department of Water
<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Timely advance weather warnings alerts through the media	SOY & BOM
Continue training & resource emergency service personnel	DFES -SES
Review LEMC Plans/Recovery Plan (Review 2021)	SOY-LEMC
Appoint LEMC Recovery Coordinator	SOY-LEMC

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>
1. Identification and recording of major risk areas in priority order in a risk register	SOY (LEMC) & DFES-SES
2. Education campaign for residents and commercial property owners in close proximity to identified flood risk areas	SOY-LEMC & DFES-SES
3. Lifeline agencies to ensure appropriate emergency plans are in place, tested & validated	Western Power, , Telstra, Main Roads, Water Corporation & Department of Water
4. Timely advance weather warning alerts through the media	BOM
5. Community & school education programs designed to raise Community awareness	SOY-LEMC & DFES -SES
6. Ensure HMA have emergency response/recovery plans in place & are tested & validated	SOY (LEMC) & DFES-SES

**RESPONSIBLE AGENCY/INDIVIDUAL**

SOY, DFES-SES, WAPS, BOM, Western Power, , Water Corporation & Telstra

**PRIORITY STATUS**

HIGH

**IMPLEMENTATION**

All treatment options to be implemented by relevant HMA

**BUDGET CONSIDERATIONS**

Treatments 1,2,5 funded from SOY & or DFES budget  
Further funding to be sought from DFES AWARE program or other sources  
Treatment 3 to be funded from Lifeline agencies budget

**MONITOR AND REVIEW**

LEMC to monitor and review annually

**APPROVAL FOR RECOMMENDATION IMPLEMENTATION**

<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>

### 4.3.5 Treatment Plan for Risk Statement 3.5

<b>RISK STATEMENT 3.3</b> There is a risk that a severe storm/flood will cause closure or seriously disrupt Community lifelines or services for 24 hours or more.			<b>DATE:</b>
<b>LIKELIHOOD</b>	<b>CONSEQUENCE</b>	<b>LEVEL OF RISK</b>	<b>RISK PRIORITY</b>
Unlikely	Moderate	Medium	No
<b>VULNERABILITY DATA</b> Closure of highways and local roads, washout of rail network, disruption of overhead power lines, communication, Gas & sewage networks. Storm/flood damage infrastructure buildings.			
<b>AGENCIES/GROUP(S)/PERSONS WITH EMERGENCY RISK MANAGEMENT RESPONSIBILITIES:</b> SOY, MAIN ROADS, DFES-SES, WAPOL, Western Power, , Water Corporation, Telstra & PTA			
<b>EXISTING PREVENTION &amp; PREPAREDNESS STRATEGIES</b>		<b>AGENCY</b>	
Training emergency service personnel		DFES-SES	
Provision of adequate resources		DFES-SES & SOY	
Standard Operating Procedures (SOP's)		DFES-SES	
LEMC Emergency Management Plans		SOY-LEMC	
Weather warning alerts		BOM & DFES-SES	
Community education program		DFES-SES & BOM	
Building codes & land use planning		SOY	
Floodplain Management Plans		SOY & DEC	
Lifeline agencies emergency plans		Western Power, , Telstra, Main Roads, Water Corporation & PTA	
Heath & welfare plans		Department of Health &	
<b>SUGGESTED PREVENTION &amp; PREPAREDNESS OPTIONS</b>			
Community & school education campaign for residents & commercial property owners in identified risk areas		SOY-LEMC & DFES-SES	
Identification and recording of major risk areas in priority order in a risk register		SOY-LEMC & DFES-SES	
Continue training & resource emergency service personnel		DFES-SES	
Continue to examine, test & validate plans		SOY-LEMC & DFES-SES	
Review as necessary building codes & land use		SOY	
Review LEMC EM Plans/Recovery Plan (Review 2021)			
<b>EXISTING RESPONSE &amp; RECOVERY STRATEGIES</b>			
LEMC EM Plans/Recovery Plan		SOY-LEMC	
Existing HMA SOPS		DFES-SES	
Trained & resourced emergency service personnel		DFES-SES	
Support services response/recovery plans		WAPS, St John Ambulance, Health department, CPFS	
Nursing homes, retirement facilities & hospital emergency management plans		Health department, CPFS & individual facilities	
Weather warning alerts		BOM	
Lifeline agencies emergency response/recovery plans		Western Power, , Main Roads, Telstra, Water Corporation & PTA	

<b>SUGGESTED RESPONSE &amp; RECOVERY OPTIONS</b>	
Continue training & resource emergency service personnel	DFES-SES
Review LEMC Plans/Recovery Plan (Review 2021)	SOY-LEMC
Timely advance weather alerts through media	BOM
Appoint LEMC Recovery Coordinator	SOY-LEMC

<b>RECOMMENDATION OF TREATMENT ACTIONS</b>	<b>RESPONSIBLE OFFICE</b>	
1. Identification and recording of major risk areas in priority order in a risk register	SOY-LEMC & DFES-SES	
2. Ensure HMA have emergency response/recovery plans in place & are tested & validated	SOY-LEMC & DFES-SES	
3. Lifeline agencies to ensure appropriate emergency plans in place, tested & validated	Western Power, , Telstra, Main Roads, Water Corporation & PTA	
4. Community & school, education campaign for residents & commercial property owners in close proximity to identified flood risk areas	SOY-LEMC & DFES-SES	
5. Timely advance weather warning alerts through the media	BOM	
6. Community & school education program designed to raise Community awareness	SOY-LEMC & DFES-SES	
<b>RESPONSIBLE AGENCY/INDIVIDUAL</b> SOY,CPFS, DFES-SES, WAPOL, Western Power, , Telstra, Main Roads, Water Corporation & PTA		
<b>PRIORITY STATUS</b> MEDIUM		
<b>IMPLEMENTATION</b> All treatment options to be implemented by relevant HMA.		
<b>BUDGET CONSIDERATIONS</b> Treatments 1, 4 & 6 to be funded by SOY & DFES budget Further funding to be sought through DFES AWARE program or other sources Treatment 3 to be funded by lifeline agency budget		
<b>MONITOR AND REVIEW</b> LEMC to monitor and review annually.		
<b>APPROVAL FOR RECOMMENDATION IMPLEMENTATION</b>		
<b>ORGANISATION</b>	<b>DATE</b>	<b>SIGNED</b>