

ESV ref: CM-2153  
Your ref:

25 September 2015

[REDACTED]  
Manager Network Risk and Compliance  
Jemena  
Locked Bag 7000  
MOUNT WAVERLEY VIC 3149



Dear [REDACTED]

**BUSHFIRE MITIGATION 2015 AUDIT REPORT – JEMENA**

As part of the Energy Safe Victoria (ESV) program to confirm the ongoing safe operation of the aerial electricity assets across Victoria, ESV conducted a desk top audit of the Jemena bushfire mitigation plan from 31 August 2015 to 2 September 2015.

A copy of the audit report is enclosed.

To help follow your progress in addressing the audit findings that require action, we request a formal response be provided to ESV. This response needs to include details of the planned actions, deadlines for completion, and a commitment to progressively forward adequate evidence to ESV upon close out of each item.

Your initial response within 21 days from the date of this letter would be appreciated.

I would like to take this opportunity to thank Jemena and your officers for their cooperation and assistance with the audit.

Should you wish to discuss the report please contact [REDACTED] on 9203 9753.

Yours sincerely

[REDACTED]  
[REDACTED]

**MANAGER ELECTRICITY SAFETY MANAGEMENT SYSTEMS WEST**

# Jemena Electricity Networks (Vic) Ltd Bushfire Mitigation Audit Report 2015

## Electricity Safety (Bushfire Mitigation) Regulations 2013

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**September 2015**

### Revision History

Version	Date	Change	Author	Reviewed	Approved
FINAL	18/09/2015				

## 1. Summary

The 2015 Energy Safe Victoria (ESV) bushfire mitigation audit on Jemena Electricity Networks (Vic) Ltd (Jemena) was to assess compliance with legislation and internal business process with a focus on asset inspection.

Victoria has had a number of significant bushfires which have been shown to have started by an electrical distribution asset. The auditing ESV conducts provides an insight into the performance of the distribution businesses in mitigating bushfire risk from their infrastructure assets.

The bushfire mitigation plan audit on Jemena reviewed the processes and procedures used by the business to adequately manage the effectiveness of their asset inspection.

ESV found that Jemena generally has sound processes and procedures in place to adequately manage and check on the quality of the asset inspection work.

There were some issues found that require review by the business.

### Compliance summary from the desktop audit:

- Two poles in the LBRA were not inspected within regulatory timeframe. **(MNC)**
- The bushfire mitigation plan requires a review to ensure the plan is clear and concise. The process to check and review the plan may need to be improved. **(OFI)**
- The regulatory requirement to submit a revised bushfire mitigation plan seems to be misunderstood. The revision log of the plan does not adequately describe the changes made to the plan. **(OFI)**
- The asset inspection manual is out of date and contains information that does not meet the asset inspection timeframe requirements of the bushfire mitigation regulations (r. 7(1)(i)(i)). The asset inspection manual requires updating. There is no procedure or process for updating the manual. **(MNC)**
- The asset inspection company does not ensure updates made to the asset inspection manual are held securely in the manual in the appropriate sections. **(OFI)**
- The method of risk assessments could be improved so that all participants receive actual data, analysis or other objective information. **(OFI)**
- Jemena has no approved procedure for the checking of asset defect photos. **(OFI)**
- There is no written procedure, process or guidance as to the purpose of asset inspector meetings. **(OFI)**
- The IMS database should allow access to any responsible personnel who require reports or information related to their responsibilities. **(OFI)**
- The role of the bushfire mitigation engineer not detailed in a position description. **(OFI)**
- Proper document control was not applied to the asset inspection manual and the JIS Operational Auditing/Inspection Procedure (ELE PR 0291). **(OFI)**



ESV requests Jemena submit a detailed plan to address all issues found in this audit.

## **2. Introduction**

### **2.1 Purpose**

The aim of the 2015 ESV bushfire mitigation (BFM) audit on Jemena was to lessen the likelihood of infrastructure assets causing a bushfire.

The objective of the BFM audit was to conduct a desk top audit based on the provision of pre-audit documentation, documents received during the audit, and to produce a report based on the findings. Compliance was assessed against the Electricity Safety Act 1998, Electricity Safety (Bushfire Mitigation) Regulations 2013 (the regulations), Jemena's implementation of their respective bushfire mitigation plans accepted by ESV, and determination of the effectiveness of the asset inspection processes and procedures.

### **2.2 Background**

Energy Safe Victoria (ESV) is the independent technical regulator responsible for electricity, gas and pipeline safety in Victoria. ESV was created under the Energy Safe Victoria Act 2005, and has objectives, functions and responsibilities conferred on it under this Act and the Electricity Safety Act 1998, Gas Safety Act 1997 and Pipelines Act 2005 (the Acts). Our role is broad and includes overseeing the design, construction and maintenance of electricity, gas and pipeline networks across the state. We have a team of officers who audit electrical and gas safety issues in businesses across the state.

A number of significant bushfires that resulted in fatalities and property damage in Victoria have been shown to have started at an electrical distribution asset. ESV has for many years taken responsibility for reviewing major electricity company (MEC) and specified operator (SO) performance in meeting the requirements of the Electricity Safety (Bushfire Mitigation) Regulations 2013. The auditing ESV conducts against these regulations provides an insight into the performance in mitigating bushfire risk.

### **2.3 Description of the Network**

The Jemena network covers an area of about 950 km<sup>2</sup> of the western and north western suburbs of Melbourne with about 104,000 poles and 4,500 km of power line (37% rural). It serves about 320,600 customers (89% residential).

### **2.4 Scope**

The focus of the audit was on the effectiveness of the process and procedures to ensure that Jemena can adequately manage the asset inspection process to meet the requirements of their bushfire mitigation plan and the degree of compliance with the regulations.

The audit was based around the requirements of the Electricity Safety (Bushfire Mitigation) Regulations 2013. Lines of enquiry were based upon AS 5577 'Electricity network safety management systems', in particular the sections of AS 5577 regarding policy and objectives, organisational responsibilities, document control, risk identification and evaluation, planning, standards of asset inspection, competency and training, audit and monitoring, communication and reporting.

Field visits to assess assets were not undertaken during this audit.

## 2.5 Method

- 2.5.1 ESV provided Jemena with a detailed scope of the audit that included proposed questions and document requests.
- 2.5.2 Jemena submitted name(s), phone number(s) of person(s), and email address for the appropriate point of contact to assist with the audit.
- 2.5.3 Jemena provided copies of appropriate procedures, process and records prior to the audit for ESV review. This enabled ESV to formulate further probing questions to be presented during the audit to establish the effectiveness of the procedures used to manage asset inspection.
- 2.5.4 Jemena provided copies of appropriate documents and records and a suitable meeting room for the audit team for the duration of the audit (3 days).
- 2.5.5 Various representatives from Jemena who were deemed by the business to be appropriate provided answers and evidence to support the line of questioning from the ESV BFM subject matter expert and assistant auditor.
- 2.5.6 Due consideration was given to the scope of the audit and depth of the answers and evidence. Follow up documents and evidence was requested as appropriate.
- 2.5.7 The audit required 3 days in the office.

## 2.6 Grading Of Findings

ESV's audit reports focus on exceptions to the audit criteria that are based on the relevant acts and regulations being audited against. Our audit reports do not note when an auditee is compliant with the requirements. The absence of noncompliance in the audit demonstrates the compliance status of the auditee's organisation.

In assessing the performance of an auditee, we define this performance as:

### ► *Noncompliance (NC)*

A noncompliance is an action (or lack thereof) that could directly lead to an adverse impact relating to the reliability of electricity infrastructure or safety. These may include actions indicative of a systemic behaviour.



▶ *Minor noncompliance (MNC)*

A minor noncompliance is an action (or lack thereof) that could indirectly lead to an adverse impact relating to the reliability of electricity infrastructure or safety. Such actions are generally isolated occurrences.

▶ *Opportunity for improvement (OFI)*

These findings do not indicate noncompliance and so do not require corrective action. They are offered as potentially beneficial feedback and an opportunity to improve performance.

When raising non-compliances, the report will clearly identify the applicable clause(s) in the requirements that the auditee has breached. Multiple findings may be aggregated for purposes of reporting back to the auditee, particularly where such aggregations are indicative of a systemic problem.

## 2.7 Audit Team

The audit team comprised:

Title	Name
ESV Client Manager	[REDACTED]
Lead Auditor / Senior Engineer, Subject matter expert Electrical Safety (Bushfire Mitigation) Regulations	[REDACTED]
Assistant Auditor / Senior Engineer	[REDACTED]
Jemena	[REDACTED]

## 3. Results and Discussion

### 3.1 Review of the Bushfire Mitigation Plan

ESV reviewed the Jemena bushfire mitigation plan (the plan) during the audit and found several minor issues that need reviewing. These minor issues include:

- On page 11 of the plan there is a description of the plan as being “approved” by ESV. Section 83BE of the Electricity Safety Act 1998 (the Act) requires ESV to “accept” a plan if the plan is appropriate. Use of the correct legal terminology will ensure that the Jemena plan is consistent with the legal requirements.
- In section 2.1, paragraph 3 the sentence states:

"Whether the terms minimisation or prevention are used the aim of this plan is to be a primary reference for all bushfire related policies and procedures and to manage the bushfire ignition risk using approved techniques."

This sentence is very confusing and mixes 'terms' with 'aims' of the plan. The sentence needs reviewing.

- In section 2.1, paragraph 4 the plan requires that:  
"These policies and procedures are communicated to all employees and contractors and stringently enforced at both the design and construction phases of maintenance and augmentation work."  
The plan does not define what "these policies and procedures" actually are. The requirement that the policies and procedures are communicated to "all" employees seems excessive especially those employees that would have no association to bushfire mitigation activities such as finance, IT, etc. The intent of this sentence needs review and the sentence updated.

The plan may have some areas where the intent is not clear as the author and reviewers understand the meaning or intent as they may be reading 'between the lines'.

There are no obvious safety implications with these errors or sentences that are unclear.

The bushfire mitigation plan has some minor errors and sentences that are not clear.

It is recommended that the plan is reviewed so that the intent of the plan can be readily understood by any person. The use of a person to review the plan who is not closely associated with the plan may be of benefit to produce a plan that can be understood by a range of audiences. (OFI)

The Jemena plan, in accordance with the schedule in BFM6 Annual Program of Activities, was reviewed and a new plan created and submitted to ESV in 2015. The plan is a 5 year plan in accordance with the requirements of the regulations and is dated 2015 – 2020. However the ESV accepted plan is for the period 2014 - 2019.

In s.113E of the act there is a requirement that a bushfire mitigation plan be submitted every 5 years. Also, a revised plan is to be submitted for acceptance if there has been significant changes to risk, changes in technical knowledge or the assessment of hazards make it appropriate to revise the plan, or any other significant changes are made to the plan, or if there was a request by ESV to change the plan.

The revision log of the 2015 - 2020 bushfire mitigation plan did not clearly specify the changes made compared to the accepted plan of 2014-2019 and it is unclear if this plan has significant changes requiring ESV review and acceptance.

The requirement for resubmission of the plan does not seem to be understood.



It is recommended that Jemena describe when and why they need to submit a revised plan and provide sufficient detail of their revisions in the revision log to enable ESV to determine what has changed, where in the plan and the significance of that change. The revision numbering system may also need to be reviewed so that minor revisions that do not require ESV acceptance be shown using a point notation such as 1.1, 1.2, etc. and major revisions be shown as whole integers such as 1.0, 2.0, etc. **(OFI)**

### 3.2 Asset Inspection Manual

The asset inspection manual (JEN MA 0500, Rev 1.0, July 2012) is the primary source of information for the Asset Inspectors that ensures that assets are inspected in accordance with best practices. The asset inspection manual was last updated in 2012. It was stated that the aim is to update the manual every 2 years and therefore the manual is overdue for a revision.

The manual requires updating regarding the current works practices such as the use of the pole camera. The manual (section 2.5 Planning, page 5) states that poles in the HBRA may be inspected up to 3.5 years after the last inspection which is outside the bushfire mitigation regulation requirement of 37 months (r. 7(1)(i)(i)). Other information that is out of date includes references to the old green book and reference to the old electric line clearance regulation.

It was stated that the process to update the manual was to store and collect information and, when the time came for an update, this information would be reviewed and placed in the manual for approval if deemed appropriate. Storage of updates was described as being put onto 'sticky notes' with other information collected in the corporate drive. There is no written procedure for storage of information and updating of the asset inspection manual.

Without the proper storage of information or following a proper procedure for updating the manual some important information (including reasons for update) may be lost especially given the use of a temporary note system such as 'sticky notes'.

The asset inspection manual is out of date and contains information that does not meet the asset inspection timeframe requirements of the bushfire mitigation regulations (r. 7(1)(i)(i)). The asset inspection manual requires updating. There is no procedure or process for updating the manual.

A procedure should be created that ensures that the Asset Inspection manual meets all regulatory requirements and ensures updates are done in a timely manner. This procedure should include requirements for the timeframe between updates and storage method of information, etc. **(MNC)**

The auditors were advised that during the time between revisions of the asset inspection manual, important information or updates in asset inspection standards are issued in general updates that are emailed from Jemena to the inspection contracting company. This information is printed by the contracting



company and passed onto the asset inspectors. It was stated that these updates will be in the manual.

It was found that the asset inspectors have the important updates in separate folders full of loose papers.

It is important that the asset inspectors have the latest information at hand and the use of loose updates stored in separate folders may mean that when they need to reference the manual they do not look at the latest information as it may be in the update folder and be forgotten about or lost.

There is no procedure regarding the storage of updates to the manual that ensures these updates are in the section they relate to.

Jemena and the asset inspection company should review the updating process of information in the asset inspection manual to ensure that the information is securely placed in the manual in the appropriate sections. **(OFI)**

### 3.3 Risk Assessments

The risk assessment procedure (Risk Management Guidelines for Jemena Electricity Networks, ELE GU 0902, Rev 2.2, 4/12/12) requires an assessment of the control adequacy. The assessment was described as being based on a workshop of subject matter experts (SMEs) providing input in the process as to what controls work the best based on their analysis and experience.

The workshop representatives do not see the data or information relied upon for control assessments and the opinions of the SME is only used.

Reliance on a person's memory or subjectivity may cause inaccurate or poor outcomes.

The risk assessment workshops rely on the memory of the SMEs for the assessment of control effectiveness which may produce inaccurate results.

Jemena should review the method of assessments to include actual data, analysis or any other objective information and present this to all participants so that participants can form objective views in the risk assessment process. **(OFI)**

It was stated that risk assessments for fire starts are performed annually. The bushfire mitigation manual section BFM 17 (Risk Assessment Procedure) does not specify the frequency of risk assessments. Also, this section has no reference to the approved risk assessment procedure (Risk Management Guidelines for Jemena Electricity Networks, ELE GU 0902, Rev 2.2, 4/12/12).

As the bushfire mitigation manual defines its own process for risk assessment with no guidance on frequency of review or reference to an approved process, the process used may be inadequate.

If the procedure used to assess fire start risk in the bushfire mitigation manual is not adequate then some risks may not be adequately assessed and addressed appropriately.

The risk assessment section of the bushfire mitigation manual (BFM 17) does not reflect actual processes used.

The bushfire mitigation manual section BFM 17 should be reviewed and updated to include frequency of risk assessments and reference to the approved risk assessment procedure. **(OFI)**

### 3.4 Auditing

As part of the asset inspection process the asset inspectors take photos of defects found. These photos are reviewed by maintenance planners who confirm that the defect ratings match the photo. This process/procedure is not formalised in a written document.

A procedure on checking photos would provide a reference for Jemena audits to ensure proper processes are being undertaken by staff and to provide guidance for employees, new or old, as to how, why, when, etc of checking the defect photos.

Without a written procedure, the checking of photos may be done to a standard less than Jemena's expectation.

Jemena has no approved procedure for the checking of asset defect photos.

It is recommended that Jemena create a written procedure for the checking of photos and ensure all staff involved understands the requirements when checking for defects against the approved procedure. **(OFI)**

### 3.5 Monitoring & Reporting

Jemena utilises reporting software that lists the date since a pole was last inspected. This software is used to confirm that poles have been inspected within the correct timeframe.

During the audit the report was run to demonstrate pole inspection dates. It was found that approximately 20 poles in the LBRA were in the report greater than 5 years since last inspected. A field visit was organised to look at 2 poles and the field visit confirmed that the last test date on the inspection tag of both poles matched the date in the report (2008). This means the last test was done about 7 years ago. These poles were in the LBRA and the regulations (r. 7(i)(ii)) requires them to be inspected within a 61 month timeframe (5 years + 1 month).

Further investigation was undertaken during the audit and previously, the two poles were reported for action but due to vegetation around them the two poles were not inspected. Requests were made to remove the vegetation but this had not occurred and no further follow up was made.



The poles may have remained untested due to the lack of follow up action which may have resulted in the poles falling down creating an unsafe situation.

Two poles were found in the LBRA that were not inspected within regulatory timeframe. Jemena do not have a written procedure, process or guide as to running reports and what to do if a pole is found out of date.

Jemena shall take immediate actions to retest these poles and implement an approved procedure or process that will avoid this from re-occurring in the future.  
**(MNC)**

The asset inspectors have a weekly meeting to discuss problems, planning, etc with Jemena. These meetings are not minuted and do not follow any written agenda or structure.

Without any formal framework, minutes or attendee lists there is a chance that important information may be missed by some absent attendees with no mechanism to ensure information is passed on at a later stage.

There is no written procedure, process or other guidance as to why to have asset inspector meetings, by whom, how often, who needs to attend, who runs the meeting and takes minutes, etc.

Jemena should review the need for having a proper meeting process, procedure or guideline for important meetings such as those between asset inspectors and Jemena. **(OFI)**

The senior contract coordinator (SCO) job role, in accordance with the position description (Position No: 10057539), includes auditing of the asset inspectors and ensuring that any non-conformances found are addressed. The recording of non-conformances is into an incident database called IMS. This database allows tracking of progress of actions to address issues, provides reports on number of non-conformances and other reporting functions.

During the audit the SCO was asked to provide historical trends of results of previous audits. Due to access constraints built into the software this was not able to be done by the SCO.

Having knowledge of past history of non-conformances would inform the SCO of areas to focus for future audits.

The IMS database should allow access to any responsible personnel who require reports or information related to their responsibilities.

Jemena should review who has access to audit results and trend analysis and permit greater access for those who deal with contractors and perform audits.  
**(OFI)**

### 3.6 Job Responsibilities

The responsibilities of the Senior Asset Performance and Bushfire Mitigation Engineer are described in the bushfire mitigation plan (BFM 2: Management Structure Procedure). The role was described as being the subject matter expert for bushfire mitigation. The position description (PD) for the job role was provided and is titled Senior Asset Performance Engineer. The responsibilities in the position description do not describe the role in context of bushfire mitigation. There is no requirement to have expertise in bushfire mitigation process, procedures, etc.

The regulations require a position title of the person responsible for preparation of the plan (r.7(1)(b)) and the Jemena bushfire mitigation plan states this as the Senior Asset Performance and Bushfire Mitigation Engineer. As there is no PD for this role it is unclear as to who is responsible, what are the responsibilities, what skills and associated training are needed, etc. for the role of Jemena's expert in all aspects of bushfire mitigation.

Jemena probably have created a generic job role description for all asset performance engineers possibly to simplify their human resource systems.

Jemena's bushfire mitigation 'expert' has no detailed job role description recognised by the company.

It is recommended that, since the role of the bushfire mitigation engineer is a significant role for the mitigation of risk, that Jemena review the need for a detailed position description specifically for this role. **(OFI)**

### 3.7 Document Control

During the audit a number of minor document control discrepancies were found. Some of these discrepancies were

- The Asset Inspection manual has an issue date of May 2011 yet the authorisation date is 16/7/2012. The manual seems to be issued before being authorised. This was described as a typographical error.
- The JIS Operational Auditing/Inspection Procedure (ELE PR 0291) has a section in 4.2 Document references (page 10) that refers to 'checklists' without listing these checklists. The checklists should have their document title and number for easy referencing.

The documents should be reviewed before finalising and errors should be noted for fixing by the reviewer. The reviewer should also note areas where the document could be improved or changed to ensure it is complete.

Human error may have been the reason for the 'typo' seen in the document control of the asset inspection manual.

Whilst document control generally does not have an adverse effect on safety, proper document control ensures that there is no confusion as to which document is to be used that has the latest information.



Jemena should ensure that they follow proper document control and update the document control information in the asset inspection manual and the JIS Operational Auditing/Inspection Procedure (ELE PR 0291). **(OFI)**

## 4. Conclusions

ESV reviewed documents, procedures and processes used by Jemena to manage and control the performance and quality of their personnel and contractors work associated with asset inspection.

There were some issues found that require review. The audit found two MNC's regarding pole inspection timeframe being greater than the bushfire mitigation regulation, two OFIs regarding the bushfire mitigation plan, one OFI regarding the asset inspection manual, one OFI regarding auditing, two OFIs regarding monitoring and reporting, one OFI regarding job responsibility, and one OFI regarding document control.

Overall, despite some issues being identified that probably do not have a serious impact on safety, Jemena have sound procedures and processes to adequately manage asset inspection and check on the quality of the asset inspector's work.

## 5. Recommendations

Jemena should review the findings and recommendations of this audit and implement actions to improve their process and procedures. A plan should be provided to ESV showing target dates of actions.

## 6. Appendix A - Documents Submitted

Jemena provided the following information:

No.	Criteria: Bushfire Mitigation
1	<b>2015 - 2020 BFM Plans</b> (already submitted but not accepted by ESV – previous plan accepted 2014-2019) <ul style="list-style-type: none"> <li>Jemena Electricity Networks Bushfire Mitigation Plan 2015-2020 (JEN PL 0100, Issue 1.0, June 2015)</li> </ul>
2	<b>Strategies:</b> <ul style="list-style-type: none"> <li>Jemena Electricity Networks (Vic) Ltd Public Lighting Asset Class Strategy (JEN PL 0029, Rev 4, 27 March 2015)</li> </ul>
3	<b>Procedures/Processes/Works Instructions:</b> <ul style="list-style-type: none"> <li>Controlling Content Procedure (JEM PR 0701, Rev 1, 15/11/12)</li> <li>JIS Operational Auditing/Inspection Procedure (ELE PR 0291, Rev 1, 12/12/2012)</li> <li>Jemena Electricity Networks Asset Incident Investigation Procedure (JEN PR 0111, Rev 5.0, 13/06/2013)</li> <li>FDC 001 End Of Zone Procedure</li> <li>WORK INSTRUCTION - REVIEWING &amp; PUBLISHING CONTROLLED CONTENT (JEM PR 0701 WI 02, Rev 2, 25/03/2015)</li> </ul>
4	<b>Guidelines:</b> <ul style="list-style-type: none"> <li>Risk Management Guidelines for Jemena Electricity Networks (ELE GU 0902, Rev 2.2, 04/12/12)</li> </ul>
5	<b>Manuals:</b> <ul style="list-style-type: none"> <li>Jemena Electricity Networks - Asset Inspection Manual (JEN MA 0500, Ver 1.0, May 2011)</li> </ul>
6	<b>Reports:</b> <ul style="list-style-type: none"> <li>Jemena Electricity Networks (Vic) Ltd Bushfire Mitigation Report Network Integrity and Performance June 2015 (22 July 2015)</li> <li>Asset Incident Investigation, Public Lighting Luminaire Fires (Ver 1, 3/10/2012)</li> <li>Jemena Electricity Networks (Vic) Ltd Incident Investigation Report Burnt Off Bridge on HV Isol 10930, on Feeder BY13 Incident Date: Monday 20 November 2014 at 16:25</li> </ul>
7	<b>Forms/Templates:</b> <ul style="list-style-type: none"> <li>Overhead Field Inspection (JAM RF 0501, Rev 2, 02/12/2011)</li> <li>JEN Risk Assessment Template (Rev 2.6, 19/08/2014)</li> </ul>
8	<b>Records:</b> <ul style="list-style-type: none"> <li>Asset Compliance Quality Inspection INS-205474, 5 Violet St Essendon, C G Snowden (27/08/15)</li> <li>Desktop Audit – Asset Inspection AI INS-202764 (28/04/2015)</li> <li>Asset Compliance Quality Inspection INS-204365, 33 Roebourne Ave Campbellfield (08/07/15)</li> <li>Overhead Field Inspection INS-204366, Railway Cres Broadmeadows (08/07/2015)</li> <li>Asset Compliance Quality Inspection INS-204367, Railway Cres Broadmeadows (08/07/2015)</li> </ul>
9	<b>Minutes of Meetings:</b>



	<ul style="list-style-type: none"> <li>• 2014/15 JEN Bushfire Mitigation System Review Meeting Minutes (Broadmeadows Office, 24 March 2015)</li> <li>• 2015/16 JEN Bushfire Mitigation System Committee Meeting Minutes (#1) (Broadmeadows Office, 12 June 2015)</li> <li>• 4/14 RISK, HEALTH SAFETY AND ENVIRONMENT COMMITTEE (ON 10 DEC 14), SGSP (AUSTRALIA) ASSETS PTY LTD</li> <li>• 2013/14 JEN Senior Management Asset Briefing Session &amp; Bushfire Mitigation Audit, Broadmeadows (23 October 2013)</li> </ul>
10	<p><b>PDs:</b></p> <ul style="list-style-type: none"> <li>• Asset Performance Engineer</li> <li>• Senior Asset Performance Engineer</li> <li>• Network Integrity and Performance Manager</li> <li>• GM Asset Strategy – Electrical</li> <li>• Senior Contract Coordinator</li> <li>• Contracts &amp; Scheduling Manager – JEN</li> <li>• General Manager Maintenance Services</li> <li>• Electricity Maintenance Manager</li> </ul>
11	<p><b>Other Evidence:</b></p> <ul style="list-style-type: none"> <li>• Asset Inspection audit schedule – 2015</li> <li>• Screen shot from JCAR – Risk assessment – Potential for injury or damage caused by a bushfire start (17 July 2015) (Closed)</li> <li>• Network Integrity &amp; Performance Risk Register (3/08/15)</li> <li>• Capability and Asset Inspection Organisational Structure Overview (April 2015)</li> <li>• PM Notification, 41 Waranga Cr, Junction Box Rolling Hang (10239328, 07/07/2015)</li> <li>• Photos of 2 missed poles in the LBRA (1/9/15)</li> <li>• Brio output - 37mts in the HBRA</li> </ul>