Jemena Electricity Networks (Vic) Ltd

Response to the Annual Regulatory Information Notice

Basis of Preparation

Information for the 2018 regulatory year

Public

30 April 2019

Jemena

Contact Person

Matthew Serpell
Manager Asset Regulation and Strategy

Jemena Electricity Networks (Vic) Ltd

ABN 82 064 651 083
Level 16, 567 Collins Street
Melbourne VIC 3000

Postal Address

PO Box 16182
Melbourne VIC 3000
Ph: (03) 9713 7000
Fax: (03) 9173 7516

OVERVIEW

This basis of preparation document has been prepared by Jemena Electricity Networks (Vic) Ltd (**JEN**) in response to the annual Regulatory Information Notice (**RIN**), covering calendar year 2018. RIN data templates and accompanying audit report and review report are due to the Australian Energy Regulator (**AER**) by 30 April 2019. The RIN was served upon JEN by the AER under the National Electricity Law (**NEL**) on 3 February 2016.

Section 1.1(d) of Schedule 1 of the RIN requires JEN to prepare a 'basis of preparation' in accordance with the requirements specified in Schedule 1. JEN's basis of preparation document, for all information provided in the information template (Attachment 1-1 to JEN's submission):

1. Demonstrates how the information provided is consistent with the requirements of the RIN
2. Explains the source from which JEN obtained the information
3. Explains the methodology JEN applied to provide the required information, including any assumptions JEN made
4. Explains, in circumstances where JEN cannot provide actual information:
    a) Why it was not possible for JEN to provide actual information
    b) What steps JEN is taking to ensure it can provide actual information in the future
    c) If an estimate has been provided, the basis for the estimate, including the approach used, assumptions made and reasons why the estimate is JEN's best estimate, given the information sought in the RIN.

JEN considers this basis of preparation complies with requirements for the basis of preparation specified in section 6 of Appendix A of Schedule 2 of the RIN. In particular, this basis of preparation follows a logical structure that enables auditors, assurance practitioners and the AER to clearly understand how JEN has complied with the requirements of the RIN. Each section of this basis of preparation corresponds to a worksheet in the information template.

DEFINITIONS OF ACTUAL AND ESTIMATED INFORMATION

Consistent with the definition contained in the RIN, JEN has applied the following definition of actual information in its response to the RIN:

> *Information whose presentation is materially dependent on JEN's business records, and whose presentation is not contingent on judgements and assumptions for which there are valid alternatives, which could lead to a materially different presentation in response to the RIN.*

Consistent with the definition contained in the RIN, JEN has applied the following definition of estimated information in its response to the RIN:

> *Information which:*
>
> - *Is not materially dependent on JEN's business; and*
> - *Is contingent on judgements and assumptions for which there are valid alternatives, where an alternative approach could yield a materially different presentation of the information in response to the RIN.*

GLOSSARY

ABS	Australian Bureau of Statistics
AER	Australian Energy Regulator
BO	Business Objects
CPI	Consumer Price Inflation
ERP	Enterprise Resource Planning
GIS	Geographic Information System
GL	General Ledger
HVI	High Voltage Injection
IMS	Investment Management System
IVR	Interactive Voice Response
JEN	Jemena Electricity Networks (Vic) Ltd
MED	Major Event Day
NER	National Electricity Rules
NEL	National Electricity Law
NERL	National Energy Retail Law
OMS	Outage Management System
PM order	Project Maintenance Order
PTRM	Post-tax Revenue Model
RIN	Regulatory Information Notice
SPFR	Special Purpose Financial Statements
Substitute Determination	The AER determination for JEN's 2016-20 regulatory control period, released on 26 May 2016.
TARC	Total Annual Retail Charges
TB	Trial Balance
WDV	Written Down Value
ZSS	Zone Substation

2.11 LABOUR

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] (SAP) [illegible]	[illegible] extracted from SAP's business [illegible] (BW) [illegible] (BO) [illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					JE □ uses □□□ □ □r□□□□□ □□□□□□□□□□□□□□□□ □□ □□□ □□□ □□□□□□r□ □□□□r□□□□□□□□r cost □□ □ □□r□ □r□□□□□□□ and d □□□□r□□r□□□□, a□l em□oy□es □□□ □ □r□□□ □□□ an □□□□□□□□/□M □rd□r □r □□□ a □□□□□□□□. □□□□ □ □□□□□□□ □□r□ t□e d□□□□□□□□□□ incu□red □□r □r□□□□□□□□□□ ac□ivi y. □□□□r□□□cos□s □r□ □□□d r□□□□□□□□d □□□□□□□□ pu□c□ase □rd□r□ □ssue d□ □□□ ex□e□al □□□d□r□□ Pu□chase □rd□r□ □□□□□□□□□ □□□□ □M □rd□r □□d □ □□ El□□ent □□□□r□ □□□□□□□ JE □ □□□□□□□□□□□□□ □□r□□r□□□ and d □□□□ □r□ □□□r□□□d□ base d □□ □ □□r□□□□□□□□ □□ d□□□□cos□s.	□□□ d□□□r□□□□r□□d □□ □□□ □□□□□□ □□□ □□□□□ □□□□ □□□□□□□	
□1 □3	□ □□□	□□□□□□□	□□□	n/a	R□□r □□ the 'overall comments' item □□□□□□□ □□r □□□□□□r□□□□□□ □□□□□□□ JE □ also □□□r□□d d□□	R□□er to JEN's methodology for □□□ □□□□□□ □ □□□□□ □□□ □□□ □□□□□□ □□ d□□□r□□d □□□□□□ □□ □dd□□□□, JEN □d□□□□□d i s □□□□□□r□□□□□ □ost □ □□ □□r□□□□□	□□□

Base information		Data Type			Population approach		
Table number	**Table Name**	**Actual or Estimate**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
					□r□□ □□□ □R□ □□□□r□□ □□d□□r□	□□□ □□□□r□ □□□□□ □r□□ □□□□ □r□□□□ d□□□ □□d □□□□r□□□□d□□r □□□□□□□□□ □□ □□□□rd□□□□ □ □□□ d□□□□□□□□□ □□□□□d□d □□ □□□ R□□ □ □□□□□□	
□□□□□□	□ □□□□	□□□□□□	□□□	□□□	R□□r □□ the 'overall comments' item □□□□□□□ □□□ r□□□□□ □d □□□ □□□□□ □r□□□□d□□□ □□d □□ □□□ □□ □r□ □□□□□ □□□□□r□□□□□ □□□□□ □□□□ □ □□□□□□ d□□□□□□□□ □□□□ □ □□□□□	R□er to JEN's methodology for □□□ □□□□□□ □ □□□□ □□□ □□□ □□□□□ □□ d□□r□□d □□□□□	□□□

3.6.8 NETWORK-FEEDERS

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 3.6.8	Network Feeder Reliability	Actual Except for various information relating to SA shared Powercor feeders (see next column)	There are four SA shared Powercor feeders'. There are no JEN monitoring devices at the point of connections on the four SA feeders. Maximum demand for SA2, SA6, SA10 and SA12 is actual. Load factor for all 4 SA feeders are assumed to be the same as SHM feeder based on nature of load. Power factor for JEN shared SA sections are estimates. Therefore the energy not supplied (planned and unplanned) for the 4 SA feeders is estimated.	Further analysis will be performed in 2019 to determine whether the estimated load factor and power factor for SA feeders can be derived by available actual data.	Extract data from the Outage Management System OSI PI system for feeder demand data Maximum demand for SA12 is sourced from Powercor from their ACR at the point of connection. Maximum demand for SA2, SA6 and SA10 is aggregated from the AMI half-hour-read meter data.	Verified and corrected data in CMOS database Refer to procedures JEN PR 0502 Section 3.2.3.1. Feeder MD, load factor and zone substation power factor refer to: JEN WI 0502; JEN PR 0507; JEN PR 0508 Feeder MD is sourced from the forecast. This data comes from OSI PI and is manually adjusted for abnormals. Load factor = feeder average demand / feeder MD. Average demand is sourced from OSI PI and is manually adjusted for significant abnormals. ZSS power factor comes from the forecast. This data comes from OSI PI or IMS and is manually adjusted for abnormals.	A factor of 0.3 has been applied to Energy not supplied – Planned assuming customers have been notified and energy consumption would mostly be shifted for the outage duration and only appliances that run continuously cannot be operated during the outage.

3.6.9 NETWORK RELIABILITY – PLANNED OUTAGES

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 3.6.9.1	Planned Minutes off Supply (SAIDI)	Actual	n/a	n/a	Extract data from the Outage Management System	Verified and corrected data in CMOS database Refer to procedures JEN PR 0502 Section 3.2.3.1 SAIDI associated with outages greater than 1 minute duration was calculated using the following equations: For each of the network categories applicable to JEN – Urban, Rural short and Whole network: Total planned SAIDI = sum of Planned minutes off supply per category divided by average customer numbers of the respective category in Table 6.2.4.	n/a
TABLE 3.6.9.2	Planned Interruptions to Supply (SAIFI)	Actual	n/a	n/a	Extract data from the Outage Management System	Verified and corrected data in CMOS database Refer to procedures JEN PR 0502 Section 3.2.3.1 SAIFI associated with outages greater than 1 minute duration was	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						calculated using the following equations: For each of the network categories applicable to JEN – Urban, Rural short and Whole network: Total planned SAIFI = sum of Planned customer interruptions per category divided by average customer numbers of the respective category in Table 6.2.4.	

6.2 STPIS RELIABILITY

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 6.2.1	Unplanned Minutes off Supply (SAIDI)	Actual	n/a	n/a	Extract data from the Outage Management System	Data was extracted from OMS using the Cognos reporting tool monthly. Verification and correction of data is as per the procedures outlined in Section 3.1.1 to 3.1.4 of procedure JEN PR 0502 and stored in the CMOS (Customer Minutes off Supply) database. Annual data extraction from the CMOS database for processing RIN A Template 6.2 is outlined in procedure JEN 0502 Section 3.2.3.1. SAIDI associated with outages greater than 1 minute duration was calculated using the following equations: For each of the network categories applicable to JEN – Urban, Rural short and Whole network: Total unplanned SAIDI = sum of Unplanned minutes off supply per category divided by average	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						customer numbers of the respective category in Table 6.2.4 below. SAIDI (after removing excluded events and MED) applies the same principle of calculation of total unplanned SAIDI with unplanned customer minutes off supply associated with the excluded events and MED subtracted from the total unplanned minutes off supply before dividing by customer numbers. Excluded events and MED are defined as per STPIS Clause 3.3 (a) and 3.3 (b) respectively.	
TABLE 6.2.2	Unplanned Interruptions to Supply (SAIFI)	Actual	n/a	n/a	Extract data from the Outage Management System	Data was extracted from OMS using the Cognos reporting tool monthly. Verification and correction of data is as per the procedures outlined in Section 3.1.1 to 3.1.4 of procedure JEN PR 0502 and stored in the CMOS (Customer Minutes off Supply) database. Annual data extraction from the CMOS database for processing RIN A Template 6.2 is outlined in procedure JEN 0502 Section 3.2.3.1	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						SAIFI associated with outages greater than 1 minutes duration was calculated using the following equations: For each of the network categories applicable to JEN – Urban, Rural short and Whole network: Total unplanned SAIFI = sum of Unplanned customer interruptions per category divided by average customer numbers of the respective category in Table 6.2.4 below. SAIFI (after removing excluded events and MED) applies the same principle of calculation of total unplanned SAIFI with unplanned customer interruptions associated with the excluded events and MED subtracted from the total unplanned customer interruptions before dividing by customer numbers. Excluded events and MED are defined as per STPIS Clause 3.3 (a) and 3.3 (b) respectively.	

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
TABLE 6.2.3	Unplanned Momentary Interruptions to Supply (MAIFI)	Actual	n/a	n/a	Extract data from the Outage Management System	Data was extracted from OMS using the Cognos reporting tool monthly. Verification and correction of data is as per the procedures outlined in Section 3.1.1 to 3.1.4 of procedure JEN PR 0502 and stored in the CMOS (Customer Minutes off Supply) database. Annual data extraction from the CMOS database for processing RIN A Template 6.2 is outlined in procedure JEN 0502 Section 3.2.3.1. MAIFI associated with outages less than or equal to 1 minute duration was calculated using the following equations: For each of the network categories applicable to JEN – Urban, Rural short and Whole network: Total MAIFI = sum of momentary customer interruptions per category divided by average customer numbers of the respective category in Table 6.2.4 below. MAIFI (after removing excluded events and MED) applies the same	MAIFI is momentary interruptions per event, for auto circuit reclosers that have multiple recloses in one reclose sequence, the momentary customer interruptions are counted as per reclose sequence but not the sum of each individual reclose within the reclose sequence. This is consistent with JEN's application of the principle of MAIFI in JEN's regulatory reporting in previous years and Victorian reporting.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						principle of calculation of Total MAIFI with momentary customer interruptions associated with the excluded events and MED subtracted from the total momentary customer interruptions before dividing by customer numbers. Excluded events and MED are defined as per STPIS Clause 3.3 (a) and 3.3 (b) respectively.	
TABLE 6.2.4	Distribution Customer Numbers	Actual	n/a	n/a	The source of Network customer numbers is from SAP ISU and SAP ERP. Urban and rural short feeder customer numbers are extracted from the network model which is derived from the Geographic Information System	JEN PR 0017 is the procedure to extract distribution customer numbers for the whole network as defined in the RIN definition of Distribution customers – all active NMIs including unmetered supply points; disconnected and abolished NMIs are excluded. Customer numbers by feeder is extracted directly from the network model built in OMS at the first business day of each month. Customers at the start of the period = customer numbers at the first business day of January in the current reporting year and Customers	Although the total number of customers from the Geographic Information System network model does not exactly match the total network customer numbers extracted from SAP ISU and SAP ERP systems, the discrepancy is only 0.49% and is immaterial. Therefore the calculated urban and rural short customer numbers are considered as Actual.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						at the end of the period = customer numbers at the first business day of January in the following reporting year. The definition of urban and rural short feeders has been used to determine the categorisation of each feeder and adjusted based on the nature of use of the feeder at the end of the year. JEN PR 0502 Section 3.2.3.1 outlined the methodology that JEN has applied to calculate urban and rural customer numbers which basically derives the urban/rural short customer split ratio from the categorised feeder customer numbers at the start of the period and at the end of the period. The ratios are then applied to the actual network customer numbers respectively to calculate the number of urban and rural short customers.	

6.6 STPIS CUSTOMER SERVICE

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 6.6.1	Telephone Answering	Actual	n/a	n/a	The Interactive Voice Response (**IVR**) system operated by the Aegis Call Centre is the source of information. The statistics are reported to JEN monthly.	Aegis sends the Monthly Faults Telephony Summary Report for JEN Network to the Customer Response, Network Operation & Control Team Leader. This data is analysed for the total number of calls i.e • Calls to call centre fault line - total number – NCO Monthly Total • Calls to fault line forwarded to an operator – ACC Monthly Total • Calls to fault line not answered within 30 seconds – Not Ans in 30 secs • ESC Calls to fault line, average waiting time before call answered (seconds) – ESC ASA • Calls abandoned - Abd • Call centre - number of overload events – AEGIS will advise us if an overload event occurred. • ABD< 30secs (Abd < Threshold) JEN PR 0503 Section 3.3.1 outlined the procedure of calculating the telephone answering performance	In the 2011-2013 Annual RIN the Cells D9 and D10 have been reported under the heading of “Total - after removing MED”. Since 2014, the equivalent Cells C11 and C12 in the Annual RIN has the heading label as “Total - after removing excluded events”. Given that this is the STPIS related item, JEN assumed that the intent is consistent with Clause 5.4 (a) of the Service Target Performance Incentive Scheme (November 2009) thus the data reported is Total - after removing excluded events and MED” to be precise.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						based on the AER definition and is also explained below: Verify data provided by Customer Response, Network Operation & Control in the "2018 GOS" and the "JEN Daily 2018" worksheets of the 2018 Faults GOS JEN only" Excel workbook by performing checksum as well as comparing to previous year for: 1. Total number of calls a) Number of calls received = sum(Calls to fault line forwarded to an operator) – sum(ABD< 30secs) b) Number of calls answered within 30 seconds = sum(ANS<30secs) 2. Number of calls after removing excluded events: This data entry provides the annual telephone answering performance excluding the performance on Excluded Events and Major Event Dates (MED). Excluded Events and MED are defined as per STPIS Clause 3.3 (a) and 3.3 (b) respectively.	

6.7 STPIS DAILY PERFORMANCE

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
Table 6.7.1	Daily Performance Data - Unplanned (Customer Service)	Actual	n/a	n/a	The Interactive Voice Response (IVR) system operated by the Aegis Call Centre is the source of information. The statistics are reported to JEN monthly.	Number of calls received and Number of calls answered in 30 seconds are extracted from the JEN Daily 201□ worksheet of the Aegis report. Number of calls answered in 30 seconds is under the heading ANS < Thres. This column of data is copied directly into the relevant column in Table 6.7.1 including the performance on MED. Number of calls received is calculated based on the AER definition in the STPIS that is excluding: • calls to payment lines and automated interactive services ACC is the direct measure of calls to fault line forwarded to an operator • calls abandoned by the customer within 30 seconds of the call being queued for response by a human operator = ACC minus Abd < Thres	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
TABLE 6.7.1	Daily Performance Data – Unplanned (MAIFI)	Actual	n/a	n/a	Extract data from the Outage Management System (OMS)	Data was extracted from OMS using the Cognos reporting tool monthly. Verification and correction of data is as per the procedures outlined in Section 3.1.1 to 3.1.4 of procedure JEN PR 0502 and stored in the CMOS (Customer Minutes off Supply) database. Annual data extraction from the CMOS database for processing RIN A Template 6.7 is outlined in procedure JEN 0502 Section 3.2.3.2. MAIFI based on the AER definition distinguishing unplanned and momentary were calculated using the following equations: For each of the network categories applied to JEN – Urban, Rural short and Whole network: MAIFI = sum of respective daily quantity per category divided by average customer numbers of the respective category in Table 6.2.4.	MAIFI is momentary interruption per event, for auto circuit reclosers that have multiple recloses in one reclose sequence, the momentary customer interruptions are counted as per reclose sequence but not the sum of each individual reclose within the reclose sequence. This is consistent with JEN's application of the principle of MAIFI in JEN's regulatory reporting in previous years and Victorian reporting.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						MAIFI (after removing excluded events) applies the same principle of calculation of the daily total above with the respective quantity – momentary customer interruptions associated with the excluded events per category (refer to STPIS Section 3.3 (a)) subtracted from the total before dividing by the customer numbers per category.	

6.8 STPIS EXCLUSIONS

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 6.8.1	STPIS Exclusions	Actual	n/a	n/a	Extract data from the Outage Management System	Extract verified data from CMOS (Customer Minutes off Supply) database by modifying the date range of the queries in the database. Run Queries – a) Exclusions-Upstream 1_Cat and b) Exclusions-Upstream 2_Cat. If the query runs no events and no data exists, the template 6.8 is left blank. An excluded event which is referring to upstream event in JEN is defined in STPIS Section 3.3 (a).	n/a

6.9 STPIS GSL

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 6.9.1	Guaranteed Service Levels - Jurisdictional GSL Scheme	Actual	n/a	n/a	Appointments and Connections - SAP Reliability of supply – JEN Outage Management System Street lights – SAP Notifications are the source of the number of public lighting faults Planned interruptions - 4 business days' notice not given – data are captured on a daily basis in Excel spreadsheet and reported monthly in the Service Delivery Monthly Report	No of Connections The following BO Report is run to extract the required details: • CSM 407 – JENRIN Connections • CSM 408 – JEN RIN Service Orders Volume metrics for appointments The service orders are filtered by: – "Order Actual start date" in the date range 01.01.2018 to 31.12.2018 [Calendar Year 2018] – Order User Status = AS/##; ABVR/B-CO; CORP; CREG; F-CO; Only TECO & CLSD { Excluding [*CANC* (Cancelled), *CARQ* (Cancelled Request), *-NC (Not Completed), *-IR (Initial Request), *NEW (new Orders)] }	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						– Confirmation Work Centre – set filter to exclude "JEN Remote_Install" GSL Connections The following BO Report is run to extract the required details: • CSM 407 – JENRIN Connections Where the GSL flag missed is populated with a Y, the Ord Scheduled date and Ord Actual Finish date are used to calculate the no of days missed by. Note – the GSL Flag check was only put in place in Feb 2018, hence the GSL missed for the 2 months of 2018 are manually added to the total extracted from CSM 407. Reliability of Supply • Outage data for the year is obtained from the OUBI database in the JEN Outage Management System by using Oracle SQL Developer.	

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						• This data is then linked to MS Access database from where it is recreated using the query "qryMKtblOutages<year>"((filters records for the <year>). • The output is a table for all outages in the year. • Run query "qryOutagesFiltered" to create the table "tblOutages<year>Filtered table". • Run the queries detailed in JEN PR 0113 Section 3.4 provide the output required for Template 6.9 – Reliability of supply <u>Street lights</u> • Street lights (total number) is extracted from the Business Object (BO) report ASM420 JEN Network Asset Statistics. • Other Street lights items in 6.9.1 are generated from the BO report ASM461 – JEN RIN PUBLIC LIGHTING	

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						<u>Appointments, , Planned interruptions</u> Appointments and Connections (New Connections) - refer to JEN Monthly Reporting – JEM-P-4900. Verify planned interruption data provided by Faults & Operations Support in the "AER Planned interruptions reporting 2011-18_JEN" Excel workbook by performing checksum as well as comparing to previous year. Planned interruptions - 4 business days' notice not given – refer to COC PR 9667	
TABLE 6.9.2	Guaranteed Service Levels - AER GSL Scheme	n/a	n/a	n/a	n/a	n/a	n/a

7.8 AVOIDED TUOS PAYMENTS

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 7.8.1	Avoided TUOS Payments	Actual	n/a	n/a	Invoices sourced from JEN's billing system.	Payments to two generators were made in 201□. The value of these payments has been captured via the actual invoices.	n/a

7.10 JURIS SCHEME

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 7.10.1	Jurisdictional Scheme Payments	Actual	n/a	n/a	The relevant General Ledger account for PFIT and TFIT jurisdictional schemes.	JEN captures payments for the various solar rebates in specific GL accounts. Data from the GL accounts is used to populate the template.	n/a

7.11 DMIS-DMIA

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 7.11.1	DMIA – Projects Submitted For Approval	Actual	n/a	n/a	Information is sourced from SAP, the ERP system that JEN uses to capture its financial information-OPR 401 As expenditure is incurred, it is captured in PM Orders (cost collectors). PM Order codes can be used to identify various project activities.	Data is extracted from JEN's cost collectors and the methodology included analysing all of the SAP Plant Maintenance (PM) cost collectors that were assigned to DMIA projects. This is a standard SAP report. The project included in the DMIA scheme for 2018 is as follows: • JEN Residential Demand Response-Behavioural • JEN Residential Demand Response-DLC There are number of new demand management initiatives taking place during the current regulatory reset period. Considering the total DMIA availability of only $1M over the five years, not all costs incurred against an initiative are claimed under DMIA in order to accommodate other initiatives and to maximise learnings.	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						Network overheads, internal labour and motor vehicle operating expenses have been removed for this template, as the requirement is to disclose direct costs only.	

7.12 SAFETY AND BUSHFIRE

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 7.12.1	Safety and Bushfire Related Asset Group Definitions and Allocation Basis	n/a	n/a	n/a	JEN's categorisation of safety and bushfire related programs as reported annually to the AER.	All programs completed in 2018 under safety and bushfire related expenditure is tabulated. As per instructions from the AER received by JEN on 25 Oct 17, only items in tables relating to 'installation of GFN and associated equipment at zone substations' have been reported in this template.	n/a
TABLE 7.12.2.1	Bushfire Related Number of Activities	Actual	n/a	n/a	JEN's Geographical Information System (**GIS**) records installation date of assets on the network, which is in turn, maintained in JEN's ERP system, SAP. Relevant Business Objects (BO) report is:	Installation date of GFN and associated equipment at zone substations is recorded in JEN's ERP system. SAP Business Objects (BO) reports are used to extract the required details in this template. These reports extract data from the JEN Business Warehouse (BW) which source the data from the SAP ERP and AMI environments. The fields and filters used in these reports are documented and can be used to review accuracy and validity of results presented.	The volume recorded in this table relates to one unit in a program of four planned units. For 2018 JEN did not install any GFNs and the expenditure captured relates to the unit installed in 2018 was zero.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					ASM434 JEN RIN Equipment In Service (SAFETY & BUSHFIRE 7.12)	Buttons in the left margin of BO report can be used to access specific fields where data and content is filtered to the relevant criteria. To access the BO reports, select Business Objects from the Systems tab on the Jemena intranet.	
TABLE 7.12.2.2	Bushfire Related Expenditure	Actual	n/a	n/a	Information is sourced from SAP, the ERP system that JEN uses to capture project information. Relevant Business Objects (BO) report is: OPR401 - JENRIN - Project Costs - Base Analytical Report	SAP Business Objects (BO) reports are used to extract the required details in this template. These reports extract data from the JEN Business Warehouse (BW) which source the data from the SAP ERP and AMI environments. The fields and filters used in these reports are documented and can be used to review accuracy and validity of results presented. Buttons in the left margin of BO report can be used to access specific fields	No assumptions were made for this variable as expenditure was not required in 2018. For 2018 JEN did not install any GFNs and the expenditure captured relates to the unit installed in 2018 was zero.

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						where data and content is filtered to the relevant criteria. To access the BO reports, select Business Objects from the Systems tab on the Jemena intranet.	
TABLE 7.12.2.3	Bushfire Related Unit Costs	Actual	n/a	n/a	Volume: As stated in relation to Table 7.12.2.1, JEN maintains asset information in its SAP system. Expenditure: As stated in relation to Table 7.12.2.2, a list of projects is extracted from JEN's SAP system and relevant projects are assigned to each bushfire program.	For bushfire related programs, unit rates are calculated based on nominal expenditure during the relevant regulatory year divided by the volume.	No assumptions were made for this variable as expenditure was not required in 2018.
TABLE 7.12.2.4	Bushfire Related Contingent Project	n/a	n/a	n/a	This table is not applicable as JEN did not have any	n/a	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
	Applications - Volumes Approved				contingent project applications for 2018. Units and volumes have therefore been reported as zero in this table.		
TABLE 7.12.2.5	Bushfire Related Contingent Project Applications - Expenditure Approved	n/a	n/a	n/a	This table is not applicable as JEN did not have any contingent project applications for 2018. Expenditure has therefore been reported as zero in this table.	n/a	n/a
TABLE 7.12.3.1	Safety Related Number of Activities	Actual	n/a	n/a	JEN does not have any activities to report in this table, as the installation of GFN and associated equipment at zone substations which JEN has undertaken has been reported as a	n/a	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					bushfire related activity in Table 7.12.2.1.		
TABLE 7.12.3.2	Safety Related Expenditure	Actual	n/a	n/a	JEN does not have any expenditure to report in this table, as the expenditure on installation of GFN and associated equipment at zone substations which JEN has undertaken has been reported as bushfire related expenditure in Table 7.12.2.2.	n/a	n/a
TABLE 7.12.3.3	Safety Related Unit Costs	Actual	n/a	n/a	JEN does not have any unit costs to report in this table, as the installation of GFN and associated equipment at zone substations which JEN has	n/a	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					undertaken has been reported as bushfire related in Table 7.12.2.3.		
TABLE 7.12.4	Safety Improvement Outcomes Reported to ESV	Actual	n/a	n/a	As required by ESV JEN reports installation progress of GFN as prescribed in the Bushfire Mitigation regulations. The required volume and progress information is captured in JEN's GIS and SAP systems.	Installation date of GFN and associated equipment at zone substations is recorded in JEN's ERP system. SAP Business Objects (BO) reports are used to extract the required details in this template. These reports extract data from the JEN Business Warehouse (BW) which source the data from the SAP ERP and AMI environments. The fields and filters used in these reports are documented and can be used to review accuracy and validity of results presented. Buttons in the left margin of BO report can be used to access specific fields where data and	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						content is filtered to the relevant criteria. To access the BO reports, select Business Objects from the Systems tab on the Jemena intranet.	
TABLE 7.12.5	Safety Improvement Outcomes Reconciliation	n/a	n/a	n/a	n/a	n/a	n/a

8.1 INCOME

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] JEN's [illegible] SPFR [illegible] TB [illegible]	[illegible] from SAP's business warehouse [illegible] BW [illegible] BO [illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						[illegible]	
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] business' regulatory [illegible] AER's RIN submission [illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible] M[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	R[illegible]	[illegible]	[illegible]	[illegible]	JEN's [illegible]R [illegible]	[illegible] R[illegible] D[illegible] D[illegible]	[illegible]
[illegible]	R[illegible]	[illegible]	[illegible]	[illegible]	JEN's [illegible]R [illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						□□ □□□ □□d □r□□□□□ □□ □□d □□□□□r□□□ d □□□□ □□□□□	
□□□□□□□□	R□□□□ □ □ □ □□□r R□□□□□□	□□□□□□	□□□	□□□	□ □□□□□□□□d □□d □□r □□□□□□□d r□□□□□□ □r □ □□□□□rr□d □□□□ R□□ □	□ □□□□□□□□d □□d □□r□□□□□□□d r□□□□□□ □r □ □□□□□rr□d □□□□ R□□ □	□□□

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
□□□□□□□□□□	□□□□□D□□□□R□ □□□□□□□□□ □ □□r□□□□	□ □□□□□□□	□□□□	□□□□	JEN's □□□□R □□r □□□□ □□rr□□□r□□□□r□□□□ □□□□r □□d □□□□ □□□d □r□□□□□□ □□□	□□□□□□□□□ □□□□r□□□□ □r□ □□□□□□□□rr□d □□□ □□□□ □□d □r□ □□□□□□□rr□d □□□□□□ R□□□ □	□□□□
□□□□□□□□□□	□□□□□D□□□□R□ □□□□□ □r□□□ □□□□□ □□□ □□□□d □□□□□□□	□ □□□□□□□	□□□□	□□□□	□□□□ □□r□□d □□□□□ □□□□□□□□□ □□ □□d □r□□□□□□ □□□	□□□□□ □r□□□ □□□□□ □□□□□□□□d □ □□□□□□□□ r□□□□□□d □□ □□r□□□□□□□□d □□d □□□□□r □□□□□□d□d □□□□□□□d□□□r□ □r□ □□□□ □□rr□□d □□□□□ R□□□ □	□□□□
□□□□□□□□□□	□□□□□D□□□□R□ □ □□□□r □□□□□□□ □□□ □□□□□□d□□□r□ □□□□□□□d□□□□ □□□□r□□□□□ □□□d □ □□□□□□□□□□□□□ □□□□□□d□□□r□□	□ □□□□□□□	□□□□	□□□□	JEN's □□□□R □□r □□□□ □□□rr□□□r□□□□r□□□□ □□□□r □□□d □□□□ □□□d □r□□□□□□ □□□ □r □□□□□r □□□□□□r□□□□ d□□□□□ □□□□□□□	□□□ □ □□□□ □□□□□r□d □□□□□□□□□□ □□□□□ □ □ □□□□□□□□ □□□□ □□□□□□□□ □ □□□□□□□□□ □□□□□□□□□□ □□□ □□□□□□□r□□□□ □□□□ □□□□□□□ □□□□ □□r □□□□r□□□□□ □□□d □ □□□□□□□□□□□□□ □□□□□□d□□□r□ □□□d □□r □□□□□r □□□□□□□ □□□ □□□ □□□□ □□□d □r□□□□□□ □□□ □□d □□□□□□□r□□□□ d□□□□□ □□□□□□□	□□□□
□□□□□□□□□□	□R□ □□□□ □□□□□□□ □ □□□□ □ □□□□□□□□	□ □□□□□□□	□□□□	□□□□	JEN's □□□□R □□r □□□□ □□□rr□□□r□□□□r□□□□ □□□□r □□□d □□□□ □□□d □r□□□□□□ □□□	□□□□□□□ □ □□□□ □□□□r□□□□ □r□ □□□□ □□□rr□□d □□□□□□ R□□□ □	□□□□

8.2 CAPEX

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
[illegible] JEN's [illegible]		[illegible]	[illegible]	[illegible]	[illegible] JEN's Reset RIN [illegible] (SAP) [illegible]	[illegible] extracted from SAP's business [illegible] (BW) [illegible] (BO) [illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					[illegible]	[illegible]	

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Refer to JEN's source [illegible]	Refer to JEN's methodology for the [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] **PTRM** [illegible]	[illegible] **ABS** [illegible] The AER's substitute determination for JEN's [illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						[illegible] allowances within the AER’s PTRM are set as ‘end of period’, [illegible] [illegible] within JEN’s price control [illegible]	

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Where applicable JEN's [illegible]	[illegible]
[illegible]	[illegible]	[illegible] [illegible]	[illegible] [illegible]	[illegible] [illegible]	[illegible] Refer to JEN's source [illegible]	[illegible] [illegible]	[illegible] [illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
		□□□□□□	□□□	□□□	Refer to JEN's source □□ □□□□r □ □□□□□ □□□□ □□□□□□□□□ □□d □□□□□□□□ r□□□rd□□ □r □□□□□□□ □r □□□ □□□ □□□□□ □□ d□□□r□□d □□□□□□	R□□er to JEN's methodology for □□□ □□□□□□ □ □□□□ □□□ □□□ □□□□□□ □□ d□□□r□□d □□□□□□	□□□
□□□□□	□ □□□□□ □r □ □□□r□□□□□□ □ □ □□□□□ □□□□	□□□□ □□□□□ □□ □□□□□□	□□□	□□□	□□□ □□□□□□ □r □□□□r□□□□□□ □ □d □□□ □□□□ □□d □r □□□□□□ d□□r□□□□□ d□□r□ □□□□□□	□□r□□□d □□□ □□□□□ □r □□□□r□□□□□□ □□□□ □□□□ r□□ □□□ □□R □ □□□□□□□□ D□□□□□□ □□□□□□ □□□□□□□ R□□□□□ □ □d □□□□d □□□□r□□d □□ □□□ □□□□□ □□□□ □□□□□□□□ □ □□□d □□□□ □□□□□□□d □r □□□ □□□ □□□ □□□□ □□□□ □□□□□	□□□
		□□□□□□	□□□	□□□	Refer to JEN's source □□ □□□□r □ □□□□□ □□□□ □□□□□□□□□ □□d □□□□□□□□ r□□□rd□□ □r □□□□□□□ □r	R□□er to JEN's methodology for □□□ □□□□□□ □ □□□□ □□□ □□□ □□□□□□ □□ d□□□r□□d □□□□□□	□□□

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

8.4 OPEX

Base information		Data Type			Population approach		
Table number	**Table Name**	**Actual or Estimate**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
□4	□ □□□	□□□□□□	□□□	n/a	□ □□□ □□ □□□□□□r□□d □□ □□□□rd□□□□ □ith □□□ JE □ Subst tu□ D□□r□□□□□□ D□□r□ □□□□□□ 2□□□□□□□ □□□□□ □□□□□r□□ □□□□ wi h □□ □□□d□r□ □□ □r□ □□□□□r□□ □□ JEN's Reset RIN R□□□□□□□□ JE □ uses i s E RP □□□□□□ □SAP) □□ □□□□r□ □ost] as □ociat]d wi h ope □ □□□□d□r□□ □M □rd□r□ □□ □ □ □ □□□□□□ □□□□ □□□□d □□ □□□ □□□□□□ □□ □ □□□ □□ □□ □□□□□□ □r□□ □□d □□□ □□□□□□ □□ □ □□□ □□□r□□□□□ □r□ □□□□□□□d□□ □□□□ □□□r□□□ □□□ □ □r□ □r□□d□□ □ □□r□□□r□□ ( ]□□□r □□□□□□□□ □□□□□r) □ □□□ □□ □□r□	JEN □□□ □□□□□□□d □□ R□□□□□r□ Repo tin□ cap □□ili y □□d □□□□□□□□ □ suite □□r□□□r□ t]at □ □r□ design □d □□ □r□□d□d □□ □□□f □cili at □□ t]e □□□□□□□□ □□□□ □□□□□R□□ □□□ □□□□□ □r□□□□□ □□□□□□r□ □□□ □□d □□□r□□ □□d□□r d□□ □r□ extracted from SAP's □□□□□□□□ □ □r□□□□□ □**BW**□□sin □ □ d□□ □□r□□□□□ □□□□□ usi]es □ □ □□□□□ □**BO**) an d expo ·e] □□□ Excel. □□ r□□□r□ □ □r□ d□□□□□□d □□□d □□ □r□□□r□□ □□□□ □r□□d□ d□□ □□□□ □□□□□□□ □□□ □□□□□□ □□□ □□□□□□ □ □□□□ □□□□ □□□□□□□□□□ r□□□r□ □□□ □□d□r□□□□ d□□ □ □d□□ □□d □□□r□□ □□ r□□□r□□□ d□□□□ □□□□□□□□□□ □□□□□□□□□□ □□□□□□□□□□ r□□□r□ □□□ □□d□r□□□□ d□□□ JEN □□□□□□□□ t]e □□ R□□□r□ □hat □r□ □□□□□□□□□d □ t]e □□□ □□□□□□, base]d □□ t]e r□□□r□□□□□□□□ □r□r□□□□□□ r□□□r□□□□□□ provides t]e d□□□ r□□□r□d □□ th□ □□□□□ □□ □□□□ □emplate.

Whe ·□ relevant] a ¯su □ □t ons h□ve □een □ d□ □□ JE □ fo· each □□□□ □□r □r□□d□d □□□□□.

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
					[illegible]		

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] JEN's [illegible]	R[illegible]er to JEN's methodology for the [illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	Table Name	Actual or Estimate	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
						[illegible] add[illegible]r[illegible]er to JEN's [illegible]	
		[illegible]	[illegible]	[illegible]	[illegible]R [illegible] D[illegible] [illegible]RM [illegible]d [illegible] r[illegible]r[illegible]r[illegible] [illegible]d [illegible] **regulatory proposal** [illegible]	[illegible]r[illegible]d [illegible]R [illegible] D[illegible] [illegible]RM [illegible]d [illegible]r[illegible]d [illegible]r[illegible]d[illegible]d [illegible] JEN's r[illegible]r[illegible] [illegible]r[illegible]r[illegible]d [illegible]d[illegible]d [illegible]d [illegible]r[illegible]r[illegible]d [illegible]d[illegible]r[illegible]d [illegible]d [illegible] [illegible]r[illegible]r[illegible]d [illegible]r[illegible]r[illegible]d [illegible]r[illegible]r[illegible]r[illegible] [illegible]d [illegible]d [illegible]r[illegible]r[illegible] The AER's [illegible] d[illegible]r[illegible]r JEN's 2016 [illegible] r[illegible]r[illegible]r[illegible]d [illegible]d [illegible]d [illegible] [illegible]d [illegible]d [illegible]r[illegible]r	[illegible]

Base information		Data Type			Population approach		
Table number	**Table Name**	**Actual or Estimate**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
						[illegible] AER's Post Tax Revenue Model are set as 'end of period', real 2015 dollar [illegible] JEN's price control mechanism [illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Base information		Data Type			Population approach		
Table number	**Table Name**	**Actual or Estimate**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
	□□□r□□□□ □ M□r□□□□ □ □□□				R□□□□d □□□□□□□□d d□d □□□□ d□□□□□□□ □□□□ □		
□□□□ □□□□	□□□□□□□□□□ □ □ M□□□r□□□ D□□□r□□□□	□□□	□□□	□□□	□□□	Where applicable JEN's experienced □□□□□□r□ □□□□□□□ □□□ □□□□□d □□□ □□□□□□□□□ □□□□ □□□□□□r□□ □□□ □□□□□□□□r□□□□ □□□ □ □□□r□ □□ dr□□ □ □□d r□□□r□d □r □□□ □ □□r□ □□ □r□□□□ □ □ □□□□ □	□□□

9.5 TUOS

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 9.5.1	TUOS Charges (AEMO)	Actual	n/a	n/a	General Ledger (GL) Account and AEMO invoices.	Change in methodology to report TUOS charges in line with General Ledger account. Amount is taken from the relevant General Ledger account at year end. This amount is then reconciled to the AEMO invoice data that is captured in an excel file on a monthly basis.	n/a
TABLE 9.5.2	Transmission Connection Fees	Actual	n/a	n/a	General Ledger (GL) Account and AusNet Services invoices.	Change in methodology to report Transmission Connection Fees in line with General Ledger account. Amount is taken from the relevant General Ledger account at year end. This amount is then reconciled to the AusNet Services invoice data is captured in an excel file on a monthly basis.	n/a

Base information		Data Type			Population approach		
Table number	**Table name**	**Actual or Estimated**	**Basis for, approach used and assumptions made for estimates, and reasons why best estimate**	**If estimate, actions to report actual data in future**	**Source**	**Methodology**	**Assumptions**
TABLE 9.5.3	Cross Boundary Network Charges	Actual	n/a	n/a	Citipower and Powercor: The data is obtained from IMS_WholesaleMeterReporting database for each month. The data is then captured in an excel file on a monthly basis. The data is then reported out of JEN's relevant GL account at the year end. AusNet Services: The data is received from AusNet and checked for accuracy. The data is then captured in an excel file on a monthly basis. The amount is reported out of JEN's relevant GL account at year end.	Citipower and Powercor: Cross Boundary charges are calculated using the AER approved rates (exclusive of Jurisdictional Scheme tariffs) and sent to Citipower and Powercor for checking. Once confirmed, JEN sends out the invoices. Total charged for the year is reported out of the relevant General Ledger account. AusNet Services: AusNet Services calculates the charges and sends to JEN for approval. Total incurred for the year is reported out of the relevant General Ledger account.	n/a
TABLE 9.5.4.1	Payments to Embedded Generators – Avoided Transmission Costs	Actual	n/a	n/a	As per schedule 7.8 Avoided TUOS Payments	As per schedule 7.8 Avoided TUOS Payments.	n/a

Base information		Data Type			Population approach		
Table number	Table name	Actual or Estimated	Basis for, approach used and assumptions made for estimates, and reasons why best estimate	If estimate, actions to report actual data in future	Source	Methodology	Assumptions
TABLE 9.5.4.2	Payments to Embedded Generators – Avoided TUoS Usage Charges	Actual	n/a	n/a	n/a	n/a	n/a

APPENDIX A – ADJUSTMENTS TO OPEX ALLOWANCE

The following changes have been made to refine the reclassification of the total allowance into more meaningful categories as disclosed in table 8.4.1 of template 8.4: -

1. Inspection: The inspection allowance was included in Routine Maintenance of the JEN's regulatory reporting statement accompanying its 2016-20 regulatory proposal (30 April 2015) (**regulatory proposal**), table 3.2.1.1. JEN has shown this as a separate item in in table 8.4.1 of template 8.4.

2. Metering: The SCS metering allowance is reclassified to Customer service, Network operating and Other Maintenance.

3. Property: The Property allowance was included in Maintenance activities in JEN's regulatory proposal, JEN has reclassified this amount into Network Operating and Other SCS Operating.

4. Network Operating: Network related allowances relating to activities such as Standard & Policy development, Strategy planning, Asset Performance & Assessments and Maintaining asset records reclassified from Routine and Emergency response in JEN's regulatory proposal.

5. SCADA: The SCADA allowance was included in Network Operating of JEN's regulatory proposal. JEN has shown this as a separate item in the table 8.4.1 of template 8.4.