Jemena Electricity Networks (Vic) Ltd

Response to the Annual Regulatory Information Notice

Basis of Preparation

Information for the 2018 regulatory year

Public



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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	
2.11	Overall comments	Actual	n/a	n/a	JEN uses its ERP system (SAP) to capture costs associated with capital and operating expenditure. PM orders in SAP collect costs based on the activity on which an employee works and the activity to which external costs are associated. These aggregate into Work Breakdown Structures (higher level cost collector) which in turn aggregates the costs at a project level. Master data that is part of the WBS is used to categorise the data into the appropriate Regulatory categories as required by the tables within the templates.	JEN has enhanced its Regulatory Reporting capability by developing a suite of reports that were designed to provide data that facilitates the population of the annual RIN templates. Project Cost information is extracted from SAP's business warehouse (BW) using a data extraction tool, Business Objects (BO) and exported into Excel. BO reports were developed based on a requirement to provide data that will populate the tables within these templates. The reports use underlying data models and queries to report the data. JEN executes the BO Reports that are associated with the templates, based on the report selection criteria. The report output provides	No significant assumptions have been made by JEN for each Table number provided below.	

Base i	nformation		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	
					JEN uses time writing functionality in SAP to capture internal labour costs. Where practical and appropriate, all employees time write to an activity/PM order or to a client e.g. JEN. These form the direct costs incurred for a respective activity. External costs are good receipted against purchase orders issued to external vendors. Purchase orders contain the PM order and WBS Element information. JEN capitalises corporate and network overheads based on a percentage of direct costs.	the data required by the table in this template.		
2.11.3	Opex	Actual	n/a	n/a	Refer to the 'overall comments' item above. For uncontrollable costs, JEN also sourced data	Refer to JEN's methodology for the tables within the templates as described above. In addition, JEN identified its uncontrollable costs by extracting	n/a	

Base i	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	
					from SAP ERP general ledger.	the information from opex project data and general ledger accounts, in accordance with definitions included in the RIN Notice.		
2.11.3	Capex	Actual	n/a	n/a	Refer to the 'overall comments' item above. JEN reviewed its capex project data and is not aware of any uncontrollable costs that meet the definition of the Notice.	Refer to JEN's methodology for the tables within the templates as described above.	n/a	

3.6.8 NETWORK-FEEDERS

Base inf	formation		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 inf	ormation		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	

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	
						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 info	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 in	formation		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 in	formation		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	
			estimate			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 inf	ormation		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 inf	ormation		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.	

Table name Actual or Estimated Basis for, approach used and assumptions made for estimates, and reasons why best estimate Source Methodology Assumed Assumed Assumed Actual or Estimated Actual or Estimated Basis for, approach used and assumptions made for estimates, actions to report actual data in future 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	mptions
numbers at the first business day of January in the following reporting year.	
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	

6.6 STPIS CUSTOMER SERVICE

Base info	ormation		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.		

6.6 STPIS CUSTOMER SERVICE

Base inf	ormation		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:	
						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 inf	ormation		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 2018 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	

6.7 STPIS DAILY PERFORMANCE

Base info	ormation		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.	

6.7 STPIS DAILY PERFORMANCE

Base in	formation		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 inf	ormation		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 info	ormation		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 in	formation		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 inf	ormation		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>).</year></year> The output is a table for all outages in the year. Run query "qryOutagesFiltered" to create the table "tblOutages<year>Filtered table".</year> Run the queries detailed in JEN PR 0113 Section 3.4 provide the output required for Template 6.9 – Reliability of supply 	
						 Street lights 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 info	ormation		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	
						Appointments, , Planned interruptions 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

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 2018. The value of these payments has been captured via the actual invoices.	n/a		

7.10 JURIS SCHEME

Base in	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

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
						Network overheads, internal labour and motor vehicle operating expenses have been removed for this template, as the requirement is to disclose direct costs only.	

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.	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.
						Buttons in the left margin of BO report can be used to access specific fields	

Base ir	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 ir	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 in	formation		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

7.12 SAFETY AND BUSHFIRE

Base inf	ormation		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 i	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
8.1.1.1; 8.1.1.2; 8.1.1.3	Audited statutory accounts column	Actual	n/a	n/a	The data agrees to JEN's Special Purpose Financial Report (SPFR) for the current reporting year and the underlying trial balance (TB) and supporting documents.	JEN has enhanced its Regulatory Reporting capability by developing a suite of reports that were designed to provide data that facilitates the population of the annual RIN templates. General ledger data are extracted from SAP's business warehouse (BW) using a data extraction tool, Business Objects (BO) and exported into Excel. BO reports were developed based on a requirement to provide data that will populate the tables within these templates. The reports use underlying data models and queries to report the data. JEN executes the BO Reports that are associated with the templates, based on the report selection criteria. The report output provides	n/a

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	
						the data required by the table in this template.		
	Adjustments column	Actual	n/a	n/a	Various adjustments to the audited SPFR to arrive at the JEN distribution business' regulatory amounts to reflect the AER's RIN submission guidelines that differ from recognition or measurement requirements of Australian Accounting Standards.	The adjustment column is part of a reconciliation required by the notice. Refer to section 1(c) of Schedule 1 of the JEN submission for this reconciliation.	n/a	
	Distribution Business column	Actual	n/a	n/a	This column summates the regulatory categories in this template excluding unregulated services and negotiated services.	n/a	n/a	
	Standard Control Services column	Actual	n/a	n/a	JEN agreed this section to underlying TB and supporting documents.	JEN has ensured that the items within the income statement link to the underlying TB and supporting documents.	n/a	

Base	e 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
	Alternative Control Services - Public Lighting column	Actual	n/a	n/a	JEN agreed this section to underlying TB and supporting documents.	JEN has ensured that the items within the income statement, link to the underlying TB and supporting documents.	n/a
	Alternative Control Services – Other – Connection Services column	Actual	n/a	n/a	JEN agreed this section to underlying TB and supporting documents.	JEN has ensured that the items within the income statement, link to the underlying TB and supporting documents.	n/a
	Alternative Control Services – Other – Metering Services column	Actual	n/a	n/a	JEN agreed this section to underlying TB and supporting documents.	JEN has ensured that the items within the income statement, link to the underlying TB and supporting documents.	n/a
	Alternative Control Services – Other – Ancillary Network Services column	Actual	n/a	n/a	JEN agreed this section to underlying TB and supporting documents.	JEN has ensured that the items within the income statement, link to the underlying TB and supporting documents.	n/a
8.1.1.1	REVENUE Customer Contributions	Actual	n/a	n/a	JEN's SPFR for the current reporting year and the underlying TB.	Customer contributions are not carried into RIN in accordance with method approved in the final 2016-20 Distribution Determination.	n/a
8.1.1.1	REVENUE F-Factor	Actual	n/a	n/a	JEN's SPFR for the current reporting year and the underlying TB.	JEN has ensured that the items within the income statement, link	n/a

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	
						to the underlying TB and supporting documents.		
8.1.1.1	REVENUE Other Revenue	Actual	n/a	n/a	Negotiated and unregulated revenue are not carried into RIN.	Negotiated and unregulated revenue are not carried into RIN.	n/a	

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
8.1.1.2	EXPENDITURE Jurisdictional scheme amounts	Actual	n/a	n/a	JEN agreed Jurisdictional scheme amounts in this section to supporting template 7.10 Jurisdictional schemes in the RIN.	JEN has ensured that the items within the income statement, link to supporting template 7.10 for Jurisdictional schemes in the RIN.	n/a
8.1.1.2	EXPENDITURE Depreciation	Actual	n/a	n/a	Percentage allocation is derived from the CY12 deprecation by regulatory category, as disclosed in the RIN. The total actual depreciation for the current reporting year is sourced from the audited SPFR. JEN amends the statutory depreciation by adjusting for the depreciation impact of customer contributions and depreciation that was not reduced against the RAB but adjusted for acquisition accounting purposes.	JEN allocated statutory depreciation across the regulatory categories, by deriving a percentage of that sourced from the CY12 RIN. This RIN had a requirement to disclose depreciation across the regulatory categories. JEN has continued to apply this methodology in its subsequent RIN submissions.	n/a

Base	e 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	
8.1.1.2	EXPENDITURE Finance Charges	Actual	n/a	n/a	JEN's SPFR for the current reporting year and the underlying TB.	Finance charges are not incurred by JEN and are not carried into RIN.	n/a	
8.1.1.2	EXPENDITURE Loss from sale of Fixed Assets	Actual	n/a	n/a	JEN agreed this section to underlying TB.	Loss from sale of Fixed Assets related to unregulated and other excluded expenditure are not carried into RIN.	n/a	
8.1.1.2	EXPENDITURE Other types of expenditure (including operating and maintenance expenditure)	Actual	n/a	n/a	JEN's SPFR for the current reporting year and the underlying TB or other supporting documents.	JEN has ensured that the items within the income statement, link to supporting template 8.4 for operating and maintenance expenditure and for other types of expenditure to the underlying TB and supporting documents.	n/a	
8.1.1.3	PROFIT Income Tax Expense	Actual	n/a	n/a	JEN's SPFR for the current reporting year and the underlying TB.	Income tax charges are not carried into RIN.	n/a	

8.2 CAPEX

Base ir	nformation		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
Overall commentary – JEN's sources of cost collection and financial recording methodology & processes for the underlying data reported in the AER defined templates		All data reported are actual.	n/a	n/a	Capex is categorised in accordance with the JEN Substitute Distribution Determination 2016-20. These categories align with the Expenditure Summary categories in JEN's Reset RIN Response. JEN uses its ERP system (SAP) to capture costs associated with capital expenditure. PM orders in SAP collect costs based on the activity on which an employee works and the activity to which external costs are associated. These aggregate into Work Breakdown Structures (higher level cost collector) which in turn	JEN has enhanced its Regulatory Reporting capability by developing a suite of reports that were designed to provide data that facilitates the population of the annual RIN templates. Project Cost information is extracted from SAP's business warehouse (BW) using a data extraction tool, Business Objects (BO) and exported into Excel. BO reports were developed based on a requirement to provide data that will populate the tables within these templates. The reports use underlying data models and queries to report the data. JEN executes the BO Reports that are associated with the templates, based on the report output provides	No significant assumptions have been made by JEN for each Table number provided below.

Base in	nformation		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
					aggregates the costs at a project level. Master data that is part of the WBS is used to categorise the data into the appropriate Regulatory categories as required by the tables within the templates. JEN uses time writing functionality in SAP to capture internal labour costs. Where practical and appropriate, all employees time write to an activity/PM order or to a client e.g. JEN. These form the direct costs incurred for a respective activity. External costs are good receipted against purchase orders issued to external vendors. Purchase orders contain the PM order and WBS Element information.	the data required by the table in this template.	

Base	e 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	
					JEN capitalises corporate and network overheads based on a percentage of direct costs.			
8.2.1	Capex By Purpose - Standard Control Services (Actual)	Actual	n/a	n/a	Refer to JEN's source of information, cost collection and financial recording processes for the templates as described above.	Refer to JEN's methodology for the tables within the templates as described above.	n/a	
8.2.1	Capex By Purpose - Standard Control Services (CPI Adjusted forecast)	Actual	n/a	n/a	AER Substitute Decision 2016-20 Post-tax Revenue Model (PTRM) released May 2016.	Allowances were extracted from AER Substitute Decision 2016-20 PTRM and escalated from real 2015 dollars to nominal dollars. Actual CPI inputs are sourced from the Australian Bureau of statistics (ABS) (6401.0 - Consumer Price Index, Australia) with reference to the all groups CPI inflation series A2325846C, which is the weighted average for the eight capital cities. The AER's substitute determination for JEN's 2016-20 regulatory period specified that	n/a	

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
						Consumer Price Index (CPI) should be calculated based on a June quarter end, which assumes mid-year timing for calendar year analysis. As regulatory allowances within the AER's PTRM are set as 'end of period', real 2015 dollar allowances are first deflated from December 2015 to June 2015 by a half year adjustment. For escalating a real 2015 allowance to nominal dollars, the half year adjustment factor = 1/(1 + 2.31%)^(0.5) = 0.989 Consistent with the lagged CPI approach applied by the AER within JEN's price control mechanism formulas, the June 2018 CPI value is based on the movement between June 2017 and June 2014 = (Jun17/Jun14)-1 = (110.7/105.9)-1 = 0.04532	
						The real 2015 allowance is therefore escalated to nominal dollars by multiplying the	

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
						allowance by a factor of 0.989*(1 + 0.04532) = 1.03382	
8.2.2	Capex By Purpose - Material Difference Explanation	Actual	n/a	n/a	n/a	Where applicable JEN's experienced engineers analyse the actual data against the allowances. From this analysis, variance commentary is drawn and reported.	n/a
8.2.3	Capex Other	Allowance (Actual)	n/a	n/a	AER Substitute Decision 2016-20 Public Lighting Model.	As per method described in TABLE 8.2.1 above.	n/a
		Actual	n/a	n/a	Refer to JEN's source of information, cost collection and financial recording processes for the templates as described above.	Public Lighting and Metering Capex have been included because they have a RAB and a Substitute Decision 2016-20 PTRM. Refer to JEN's methodology for the tables within the templates as described above.	n/a
8.2.4	Capex By Asset Class	Allowance (Actual)	n/a	n/a	AER Substitute Decision 2016-20 Roll Forward Model and Post-tax Revenue Model (PTRM).	Extracted the customer contributions allowance from the AER Substitute Decision 2016-20 Post-tax Revenue model and	n/a

Base i	nformation		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		
		Actual	n/a	n/a	Refer to JEN's source of information, cost collection and financial recording processes for the templates as described above.	converted to nominal amounts using the escalation methodology outlined for the TABLE 8.2.1 allowances above. Refer to JEN's methodology for the tables within the templates as described above.	n/a		
8.2.5	Customer Contributions By Asset Class	Allowances (Actual)	n/a	n/a	JEN customer contributions model submitted for 2016-20 distribution determination.	Extracted the customer contributions allowance from the AER Substitute Decision 2016-20 Post-tax Revenue model and converted to nominal amounts using the escalation methodology outlined for the TABLE 8.2.1 allowances above.	n/a		
		Actual	n/a	n/a	Refer to JEN's source of information, cost collection and financial recording processes for	Refer to JEN's methodology for the tables within the templates as described above.	n/a		

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
					the templates as described above.		
8.2.6	Disposals By Asset Class	Allowances (Actual)	n/a	n/a	AER Substitute Decision 2016-20 Post-tax Revenue model	Extracted Asset Disposals Allowance per the AER Substitute Decision 2016-20 Post-tax Revenue model and converted to nominal amounts using the escalation methodology outlined for the TABLE 8.2.1 allowances above.	n/a
		Actual	n/a	n/a	Cash proceeds data is sourced directly from SAP	Cash proceeds from disposals are extracted from the Dec-18 Fixed Assets Movements report which is developed based on SAP transaction data.	n/a

8.4 **OPEX**

Base in	nformation		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
8.4	Орех	Actual	n/a	n/a	Opex is categorised in accordance with the JEN Substitute Distribution Determination 2016-20. These categories align with the Expenditure Summary categories in JEN's Reset RIN Response. JEN uses its ERP system (SAP) to capture costs associated with opex expenditure. PM orders in SAP collect costs based on the activity on which an employee works and the activity to which external costs are associated. These aggregate into Work Breakdown Structures (higher level cost collector) which in turn	JEN has enhanced its Regulatory Reporting capability by developing a suite of reports that were designed to provide data that facilitates the population of the annual RIN templates. Project Cost information and general ledger data are extracted from SAP's business warehouse (BW) using a data extraction tool, Business Objects (BO) and exported into Excel. BO reports were developed based on a requirement to provide data that will populate the tables within these templates. The reports use underlying data models and queries to report the data. JEN executes the BO Reports that are associated with the templates, based on the report selection criteria. The report output provides the data required by the table in this template.	Where relevant, assumptions have been made by JEN for each Table number provided below.

Base in	nformation		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	
					aggregates the costs at a project level. Master data that is part of the WBS is used to categorise the data into the appropriate Regulatory categories as required by the tables within the templates. JEN uses time writing functionality in SAP to capture internal labour costs. Where practical and appropriate, all employees time write to an activity/PM order or to a client e.g. JEN. These form the direct costs incurred for a respective activity. External costs are good receipted against purchase orders issued to external vendors. Purchase orders contain the PM order and WBS Element information.			

Base in	formation		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	
TABLE 8.4.1	Operating & Maintenance Expenditure (Audited Statutory Accounts)	Actual	n/a	n/a	Refer to overall comments for table 8.4 above. The data agrees to JEN's audited Special Purpose Financial Report for the current reporting year and the underlying TB.	Refer to JEN's methodology for the tables within the templates as described above.	n/a	
TABLE 8.4.1	Operating & Maintenance Expenditure	Actual	n/a	n/a	Refer to overall comments for table 8.4 above.	The direct costs of operating & maintenance activities of each service category is derived from SAP ERP system. JEN allocates overheads to these activities based on its internal policies and in accordance with the AER approved Cost Allocation Method. The overheads included in this template consist of an allocation of residual Asset Management, Service Delivery, Property and corporate overheads. These residual costs are allocated on the basis of direct costs. JEN believes that allocating overheads on the basis of direct cost to each WBS element is the best approach to provide data.	n/a	

Base in	formation		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
						In addition, refer to JEN's methodology for the tables within the templates as described above.	
		Allowances	n/a	n/a	AER Substitute Decision 2016-20 PTRM and the regulatory reporting statement submitted by JEN alongside its 2016-20 regulatory proposal (30 April 2015) (regulatory proposal), table 3.2.1.1.	Allowances were extracted from AER Substitute Decision 2016-20 PTRM and converted to nominal amounts that align to the categories identified in JEN's regulatory proposal at table 3.2.1.1 current opex categories and cost allocations. JEN made some adjustments to these allocations to these categories to make this information more meaningful, based on cost analysis of its 2014 base year. The adjustments which JEN has made are set out in Appendix A. Actual CPI inputs are sourced from the ABS (6401.0 - Consumer Price Index, Australia) with reference to the all groups CPI inflation series A2325846C, which is the weighted average for the eight capital cities. The AER's substitute determination for	n/a
						JEN's 2016-20 regulatory period specified that CPI should be calculated based on a June quarter	

Base ir	formation		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
						end, which assumes mid-year timing for calendar year analysis. As regulatory allowances within the AER's Post Tax Revenue Model are set as 'end of period', real 2015 dollar allowances are first deflated from December 2015 to June 2015 by a half year adjustment. For escalating a real 2015 allowance to nominal dollars, the half year adjustment factor = 1/(1 + 2.31%)^(0.5) = 0.989 Consistent with the lagged CPI approach applied by the AER within JEN's price control mechanism formulas, the June 2018 CPI value is based on the movement between June 2017 and June 2014 = (Jun17/Jun14)-1 = (110.7/105.9)-1 = 0.04532. The real 2015 allowance is therefore escalated to nominal dollars by multiplying the allowance by a factor of 0.989*(1 + 0.04532) = 1.03382.	
TABLE 8.4.2	Operating and Maintenance Expenditure -	Actual	n/a	n/a	JEN was unable to obtain Related Party margin information from its	n/a	n/a

Base ir	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		
	By Purpose - Margins Only				Related Entity, and did not disclose them.				
TABLE 8.4.3	Explanation Of Material Difference	n/a	n/a	n/a	n/a	Where applicable JEN's experienced engineers analyse the actual data against the allowances. From this analysis, variance commentary is drawn and reported for items where the variance is > ±10%.	n/a		

9.5 TUOS

Base inf	ormation		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 in	formation		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 in	formation		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

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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 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.