

Pricing proposal models handbook

Electricity distribution network
service providers

December 2021

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AER reference: AER213041

Amendment record

Version	Date	Pages

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1 Introduction

This handbook provides guidance on how to use the Australian Energy Regulator's (**AER**) standardised pricing model and price-capped alternative control services (**ACS**) model (**the models**).

The models are intended for use by electricity distribution network service providers (**distributors**) to submit data to the AER to support their pricing proposals, as required under section 6.18.2 of the National Electricity Rules (**NER**). We have developed the models in consultation with the distributors.

1.1 Role of the models

The models house data, undertake analysis, and produce outputs to demonstrate compliance with the NER, the applicable regulatory determination and tariff structure statements (**TSS**).

The models have been developed to replace the differing suites of models currently used by distributors. This is to provide efficiencies in preparation and analysis, as well as making the models more consistent and transparent for stakeholders to engage with.

1.2 Confidentiality

Our obligations regarding confidentiality and the disclosure of information provided to us by a distributor are governed by the *Competition and Consumer Act 2010 (Cth)*, the National Electricity Law, and the NER.

1.3 Process for revision

We intend to amend or replace the models from time to time to reflect further stages of our Pricing Process Review. Beyond this review, we intend to amend or replace the model with each round of distribution determinations to reflect any changes required resulting from the determination. We will publish a revised version of this handbook to accompany each new version of the pricing models we amend or replace in the future.

1.4 Regulatory instruments

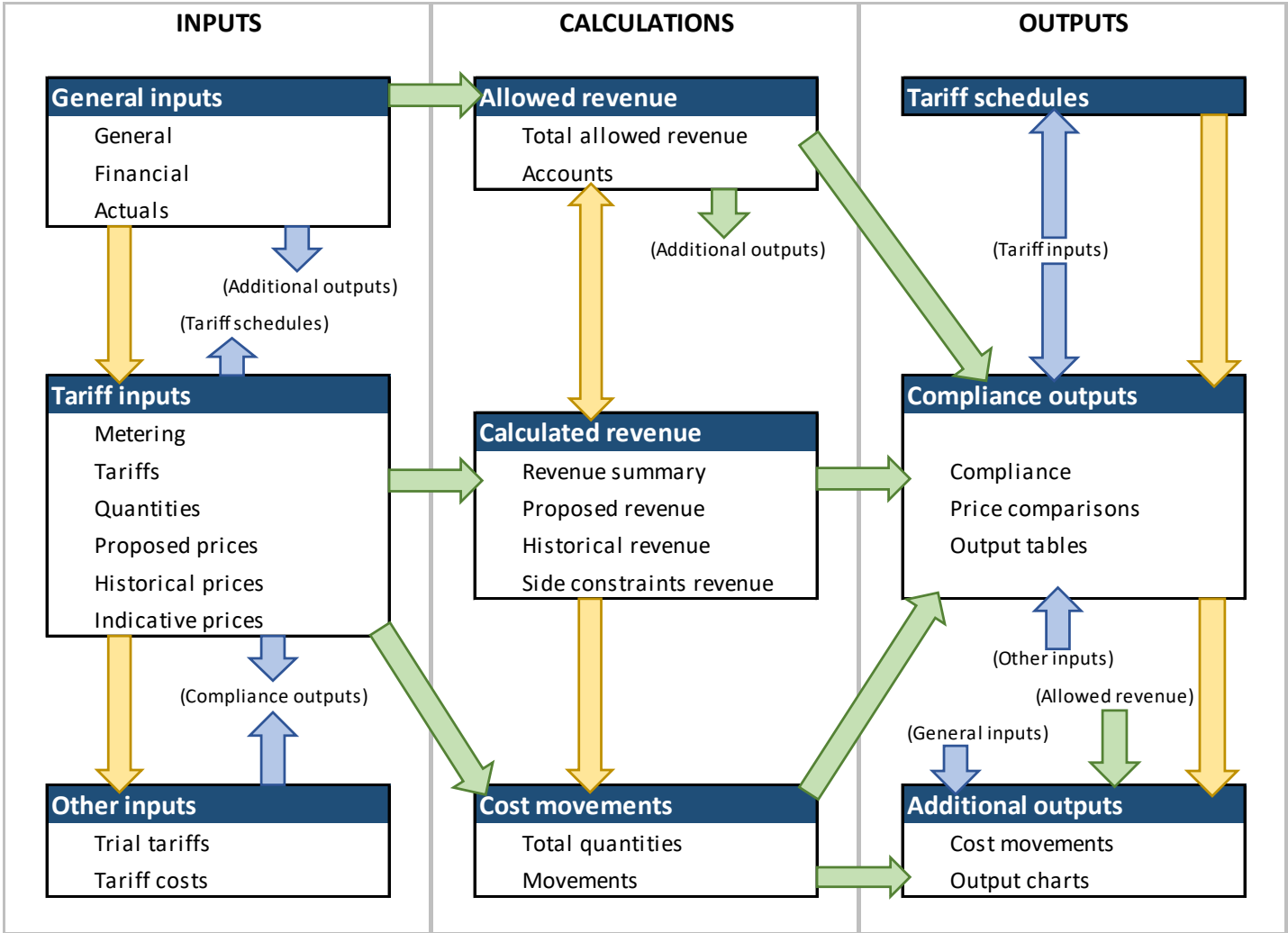
The NER and applicable regulatory determinations are the regulatory instruments that prescribe the mechanisms and requirements that underlie the annual pricing process. The models have been prepared in line with the requirements of these regulatory instruments. For further information on the pricing rules and principles, the requirements of a pricing proposal, and the requirements of the AER in approving a pricing proposal, see NER s6.18.6. For further information on the revenue cap and price cap mechanisms, the side constraints mechanism, the unders/overs account mechanism, and rounding guidance applicable to each distributor, see the 'Control Mechanisms' attachment of the applicable regulatory determination.

2 Pricing model

The pricing model is the main supporting document for distributors' pricing proposals. The pricing model includes inputs, calculations, and outputs that assist the distributor in demonstrating compliance, as well as assisting the AER in its analysis of a pricing proposal. The pricing model also provides additional output charts and cost movements analysis to assist with stakeholder engagement and communication of the proposal.

Figure 1 provides an overview of the model, categorised into three modules – inputs, calculations, and outputs.

Figure 1 Overview of pricing model



Note: Yellow arrows represent data flows within each module, green and blue arrows represent data flows between modules. Blue arrows used where a direct arrow is impractical in the visual representation.

At the beginning of each distributor's regulatory control period, the AER will build a bespoke model for the distributor, including general inputs, descriptors, and tariff information, as well

as relevant historical information.¹ In doing so, we will adjust the model to add any jurisdictional-specific elements. At this time, and prior to each annual pricing process, we will input relevant inputs for the upcoming pricing proposal.

Prior to submitting their pricing proposal each year, the distributor will verify the AER's inputs, add inputs relating to proposed prices, forecast quantities, and other inputs that are known only to the distributor or finalised after the AER provides the model. This will include forecast and estimated designated pricing proposal costs (**DPPC**) and jurisdictional scheme amounts (**JSA**). The distributor will also engage with the AER regarding certain components of the model, including any issues with the AER's provided inputs.

In the sections below, we have provided a summary of each worksheet. Any examples provided in the sections below reflect example data only, and do not reflect data of any particular business.

The model includes a macro that hardcodes and redacts those parts of the model that include confidential tariffs. These confidential tariffs are generally tariffs that are related to individual customers and may contain customer information, or prices and consumption/demand quantities that are able to be identified as applicable to a certain customer.

We prefer the structure of the model is not altered without prior discussion with us. This will ensure that any errors that arise are appropriately considered and actioned across all distributors' models, consistency is maintained, and the function of the model is maintained.²

2.1 General

This model includes both a title page and a lookups page.

2.1.1 Title page ('Pricing model')

The title page includes an inputs key, version log, contents list, and change log. The change log is to detail changes between models provided in pre-lodgement engagement and models provided in pricing proposal submissions.

The title page includes a redaction button. This button should be used once the model is completed for final submission to create a public version of the model for publication. It hardcodes summaries of data related to confidential tariffs, and redacts data related to confidential tariffs. This action cannot be undone. A confidential version of the model should be saved prior to submission to the AER, and this should only be done once all components of the model are completed. File names for each version of the model should clearly identify public and confidential versions.

Figure 2 provides the inputs key, while Figure 3 provides an example of the title page worksheet.

¹ This will be completed prior to the 2022/23 pre-lodgement engagement process for each distributor for the first version of the model.

Figure 2 Inputs key

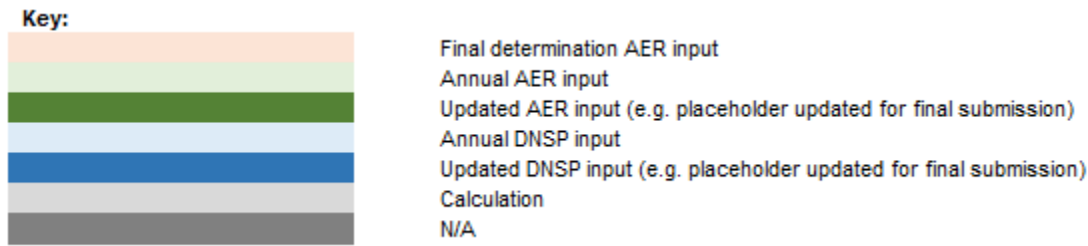


Figure 3 Title page worksheet

AER pricing model		
AER 2021–22		
Electricity Distribution Network Service Provider		
Redact individual tariff information for PUBLIC version		
Key:		
Final determination AER input	Version Record	Date
Annual AER input	0.1	Aug-21 Draft version of new model - including inputs and calculations worksheets, as well as lookup worksheet
Updated AER input (e.g. placeholder updated for final submission)	0.2	Oct-21 Draft version of full model for feedback
Annual DNSP input	0.3	Nov-21 Final model for DNSP QA
Updated DNSP input (e.g. placeholder updated for final submission)	1.0	Dec-21 Final model for use in 2022/23 process
Calculation	1.1	Sep-22 Updated for issues arising in 2022/23 pricing process, feedback from consultation with wider stakeholders
N/A	1.2	Nov-22 Final updated model (from broader stakeholder consultation) for DNSP QA
	2.0	Dec-22 Final model for use in 2023/24 process
	2.1	Updated for 2024–29 determinations for NSW/ACT/NT/Tas businesses to reflect changes in determination (e.g. side constraints application)
	3.0	Apr-24 Final model updated for 2024–29 determinations for use in 2024/25 initial pricing where applicable
Contents		
Rules	<i>Provides Distribution Pricing Rules</i>	
Mechanisms	<i>Provides applicable mechanisms</i>	
Outputs	<i>Provides schedules of network prices</i>	
Tariff schedule	<i>Compliance checks against total allowable revenues, unders/overs closing balances, side constraint thresholds, trial tariff thresholds, and standalone and avoidable costs.</i>	
Compliance	<i>Compliance checks of proposed prices against relevant indicative prices from previous indicative schedule</i>	
Price comparisons	<i>Provides output tables for use in pricing proposal documents</i>	
Tables	<i>Provides cost movements summaries</i>	
Cost movements	<i>Provides output charts for revenue and cost movements (some editing of charts may be necessary for presentational issues)</i>	
Charts	<i>Provides links and guide to inputs required at each stage in process</i>	
Inputs	<i>Inputs NSP name, regulatory years for the t-1, t, and t+2 years, inflation, day counts, etc.</i>	
General	<i>Inputs the WACC, x-factors, allowed revenues, and annual adjustments</i>	
Financial	<i>Inputs actual revenues, demand, and customer numbers</i>	
Actuals	<i>Inputs relating to metering prices for cost movements for non-Vic, prices and quantities for revenue caps for Vic</i>	
Metering	<i>Inputs tariff information including charging components and tariff classes</i>	
Tariffs	<i>Inputs forecast, estimated, and actual quantities</i>	
Quantities	<i>Inputs proposed prices for SCS</i>	
Proposed prices	<i>Inputs historical prices for SCS for calculating estimated and actual revenues</i>	
Historical prices	<i>Inputs indicative tariffs to update the schedule for the remainder of the regulatory control period (updates previous schedule for only remaining years)</i>	
Indicative prices	<i>Inputs trial tariffs and relevant revenues (both forecast and historical)</i>	
Trial tariffs	<i>Inputs cost information related to standalone and avoidable costs</i>	
Tariff costs	<i>Calculates total allowable revenues</i>	
Calculations	<i>Calculates under/over-recovery and related data</i>	
Total allowable revenue	<i>Totals revenues for each tariff, charging component, and tariff class</i>	
Accounts	<i>Calculates revenues for the t year for each tariff component</i>	
Revenue summary	<i>Calculates revenues for the t-1 and t-2 years for each tariff component</i>	
Proposed revenue	<i>Calculates permissible percentage and revenue for side constraint mechanism</i>	
Historical revenue	<i>Calculates demand for each charging component, tariff, and tariff class</i>	
Side constraints revenue	<i>Calculates network costs and consumption profiles for each residential and small business tariff</i>	
Total quantities		
Movements		
Lookups		
Changelog (to detail completion of inputs, and any changes to inputs)		
Date	Description	

2.1.2 Lookups

The lookups worksheet contains lookups for use throughout the model, including unit denominations, month and year references, and metering tariffs (for cost movements). The lookups page is also used to differentiate between Victorian and non-Victorian distributors, particularly for historical years and inflation (Victorian distributors operated on calendar years historically).

2.2 Outputs

The outputs module provides tariff schedules, compliance checks, and demonstrations of compliance through output tables.

2.2.1 Tariff schedule

The tariff schedule worksheet provides the tariff schedules for network prices for the upcoming financial year (as well as distribution, DPPC, and JSA components where applicable), and metering prices for Victorian customers.

The tariff schedules submitted in this worksheet will be used for the formal approval process. Any additional versions of these tariff schedules provided will not be considered by the AER.

2.2.2 Compliance

The compliance worksheet checks compliance against allowed revenue caps, thresholds for side constraints and tariff trials, and cost-reflectivity bounds of tariff class revenue.

Compliance table 1 measures the sum of all relevant forecast revenues against the allowable revenue set either by the relevant formula in our determination (for distribution revenue, and metering revenue for Victorian distributors), or by the method to pass-through costs set in the NER (DPPC and JSA).³

Compliance table 2 checks that the closing balances of unders/overs accounts do not exceed 0.⁴ Our determination requires the closing balance of unders/overs accounts to be as close to 0 as possible. Where a closing balance is greater than 0, this indicates that the revenue being recovered from customers for the upcoming year exceeds that allowed.⁵ Therefore this check will flag non-compliance where the balance exceeds 0.⁶ Proximity to 0 for compliance with the determinations will be considered manually.

Compliance table 3 measures the movement in tariff class revenues against the permissible percentage threshold in line with the side constraints mechanism.⁷

Compliance table 4 measures the forecast, estimated, and actual revenues from trial tariffs (also known as sub-threshold tariffs) for each year against the allowable thresholds set in the NER.⁸

Compliance table 5 measures the forecast tariff class revenues against the lower and upper bounds set by the avoidable and standalone costs, respectively.⁹

Figure 4 provides an example of the compliance worksheet.

³ NER cl. 6.18.7(b) and 6.18.7A(b).

⁴ NER cl. 6.18.7(b),(c) and 6.18.7A(b),(c).

⁵ The allowable revenues are calculated to incorporate a balancing adjustment – this reflects an amount required to balance the opening balance of the account for that year. A positive closing balance will lead to revenue recovered that reflects the balancing adjustment plus the positive closing balance – exceeding the allowed revenue.

⁶ There may be instances where a jurisdictional scheme revenue is set through jurisdictional regulation. In these cases, compliance with the jurisdictional regulation and the regulated revenue recovery will mean that a positive closing balance may exist and will be considered as compliant.

⁷ NER s6.18.6.

⁸ NER cl. 6.18.1C(a).

⁹ NER cl. 6.18.5(e).

Figure 4 Compliance worksheet

AER pricing model - AER 2021-22									
Compliance									
Compliance checks against total allowable revenues, unders/overs closing balances, side constraint thresholds, trial tariff thresholds, and standalone and avoidable costs.									
Compliance table 1 Allowable revenues									
Unit: 2021-22									
Compliance									
Distribution									
Revenue from tariffs (forecast for 2021-22)	Smillions								
Revenue from trial tariffs (forecast for 2021-22)	Smillions								
Total revenue from distribution charges	Smillions								
Total Allowable Revenue	Smillions								COMPLIANT
DPPC									
Revenue from tariffs (forecast for 2021-22)	Smillions								
Revenue from trial tariffs (forecast for 2021-22)	Smillions								
Cross-boundary revenue (forecast for 2021-22)	Smillions								
Total revenue from DPPC	Smillions								
Compliance table 2 Unders/overs accounts									
Unit: Closing balances									
Compliance (not exceeding 0)									
Distribution									
DPPC	Smillions								COMPLIANT
JSA	Smillions								COMPLIANT
Metering (Vic only)	Smillions								COMPLIANT
Compliance table 3 Side constraints									
Unit: Movement									
PP (Incremental) PP (Alternate)									
Compliance									
Residential	Per cent								
Small business	Per cent								
I & C	Per cent								
Compliance table 4 Trial tariffs distribution revenue									
Unit: Threshold									
2018-19 2019-20 2020-21 2021-22 2022-23 2023-24 2024-25 2025-26									
Residential battery	Per cent	1.0%							
Residential EV	Per cent	1.0%							
Small business battery	Per cent	1.0%							
Small business EV	Per cent	1.0%							
Total trial tariffs	Per cent	5.0%							COMPLIANT
Compliance table 5 Standalone and avoidable costs									
Unit: Calculated revenue Avoidable costs Standalone costs									
Compliance									
Residential	Smillions								
Small business	Smillions								
I & C	Smillions								

2.2.3 Price comparisons

The price comparisons worksheet checks proposed prices against indicative prices previously provided for that year. For year 1 of a regulatory control period, these indicative prices are as provided in the TSS. For other years, these indicative prices are as provided in the most recent pricing proposal. These comparisons occur at the total network price only. Material differences will be highlighted, and will require explanation through the notes section on the worksheet.¹⁰

2.2.4 Tables

The tables worksheet provides output tables to demonstrate compliance. These output tables contain information that is required as a part of the pricing proposal by the NER, or is frequently provided by distributors as additional information. Output table 1 provides the expected weighted average revenue for each tariff class for the current and upcoming years, and the relevant movements.¹¹ The table also provides the expected weighted average revenue used for the current year in side constraints (i.e., current year prices and forecast year quantities), and the relevant movements.

¹⁰ NER cl. 6.18.2(b)(7A).

Output table 2 provides the revenue breakdowns for, including annual adjustments made to, each component of revenue.¹² Output table 2 also provides the revenue breakdowns in the unders/overs accounts for each component of revenue.

Output table 3 provides the expected weighted average revenues for each tariff class, as used for the purpose of side constraints compliance. Output table 3 also provides the breakdown of the permissible percentage.¹³

Output table 4 provides the forecast tariff class revenues alongside the lower and upper bounds set by the avoidable and standalone costs, respectively.¹⁴

Output table 5 provides a breakdown of energy consumption by tariff class, and by small customer type. These output tables are provided for information and are frequently provided by distributors as additional information.

2.2.5 Cost movements

The cost movements worksheet provides analysis on the expected movements in the network costs for each tariff applicable to residential and small business customers. These cost movements are provided both as a total network cost movement, as well as movements in each of the components (distribution, DPPC, and JSA). For the purpose of cost movement analysis and providing a representation of the movements expected for the typical customer, metering charges are included in this analysis.

2.2.6 Charts

The charts worksheet provides output charts to support the pricing proposals and stakeholder engagement. These output charts include annual revenue movements, waterfall charts reflecting annual revenue adjustments, and waterfall charts reflecting cost movements. The output charts are used by the AER to communicate the outcome of the approved pricing proposals. Distributors are encouraged to use the same charts for consistent messaging.

Output chart 1 provides a breakdown of revenue components (distribution, DPPC, JSA, and metering for Victorian distributors), and the movement between the current year and upcoming year. Output chart 1 also provides the base distribution revenue (and metering for Victorian distributors) as set in the applicable determination, and updated for annual cost of debt, for reference.

Output chart 2 provides a waterfall representation of the movements in overall revenues between the current year and the upcoming year. These movements reflect the movements in each of the components of revenue and relevant adjustments (such as incentive schemes, or under/over-recoveries). An 'other rebalancing' component is included to reflect forecast movements in demand/consumption, the discretion a distributor has in setting prices within thresholds, and any other impacting factors.

Output charts 3 and 4 provide waterfall representations of cost movements for particular tariffs by components of network prices (including metering for the purpose of reflective cost movements). Waterfall representations of cost movements for particular tariffs by annual adjustments (as per Output chart 2) are also provided. These charts are provided for residential (output chart 3) and small business (output chart 4) customers and allow the user to select multiple tariffs for side-by-side comparison. Tariffs for analysis are selected from drop-down menus above the charts.

Some editing of these charts may be required prior to use to ensure labels are positioned correctly. Figure 5 provides an example of the charts worksheet.

Figure 5 Charts worksheet



2.3 Inputs

The inputs module houses all the inputs required for the pricing model.

As noted above in section 2.1, Figure 2 provides a key to demonstrate the colour-coding of the inputs. Colour-coding has also been applied to the worksheet tabs, reflecting the last touchpoint for each worksheet. For example, the Financial worksheet requires inputs at all stages, but is coloured blue to reflect the last inputs are required by the distributor for submission of the model.

Orange cells indicate data to be input by the AER at the commencement of the regulatory control period, and green cells indicate data to be input by the AER prior to each pricing process. Blue cells indicate data to be input by the distributor prior to submission of the pricing model.

Where placeholders are used for data in the pre-lodgement engagement process and then updated for the final submission before 1 April, these cells should be shaded a darker green or blue for easy identification. Additionally, where data is changed by the distributor for more updated data, a disputed input, or other reason, that data should be shaded in the same dark blue used for updating placeholders.

The inputs summary worksheet provides an inputs guide with links to the relevant cell ranges for inputs. Figure 6 provides an example of the inputs summary worksheet.

Figure 6 Inputs summary worksheet

Sheet Name	Sheet Description
General	Inputs NSP name, regulatory years for the t, t-1, and t-2 years, inflation, day counts, etc.
Financial	Inputs the WACC, x-factors, allowed revenues, and annual adjustments
Actuals	Inputs actual revenues, demand, and customer numbers
Metering	Inputs relating to metering (prices for cost movements for non-Vic, prices and quantities for revenue caps for Vic)
Tariffs	Inputs tariff information including charging components and tariff classes
Quantities	Inputs forecast, estimated, and actual quantities
Proposed prices	Inputs proposed prices for SCS
Historical prices	Inputs historical prices for SCS for calculating estimated and actual revenues
Indicative prices	Inputs indicative tariffs to update the schedule for the remainder of the regulatory control period (updates previous schedule for only remaining years)
Trial tariffs	Inputs trial tariffs and relevant revenues (both forecast and historical)
Tariff costs	Inputs cost information related to standalone and avoidable costs

To be input by AER at beginning of regulatory control period:		To be input by AER prior to annual pricing process each year:	
'General'F8	DNSP name	'General'F10	Forecast regulatory year
'General'F9	Month that year ends in (i.e. June for financial year)	'General'F52-F93	December CPI value
'General'F14	First year of regulatory control period	'General'J24-K27	Days for seasonal charging components for current and previous years
'General'F7-F18	CPI measurement information	'Financial'M7-O7	Real vanilla WACC (from debt update)

To be input by DNSP prior to submission each year:	
'Financial'U0-L9	Historical allowed revenues
'Financial'J97-K99	Historical estimated t-1 revenues
'Financial'J104-L104	Historical metering allowed smoothed revenues (Vic only)
'Financial'J109-L109	Historical metering unders/overs adjustments (Vic only)
'Financial'J110-K110	Historical metering unders/overs account opening balances (Vic only)
'Financial'J112-L113	Historical allowed metering revenues and estimates (Vic only)
'Actuals'E31-E52	Units for operational data from RIN
'Metering'G7-C36	Metering tariff names
'Metering'D7-D36	Metering tariff codes
'Financial'U0-L9	2020-21 JSA prices (for confidential tariffs)
'Hist_prices'H16-A1-208b	2020-21 JSA prices (for confidential tariffs)
'Hist_prices'H2070-AP2818	2019-20 DPPC prices (for confidential tariffs)
'Hist_prices'H2825-AP3573	2019-20 DPPC prices (for confidential tariffs)
'Hist_prices'H3577-AP4325	2019-20 JSA prices (for confidential tariffs)
'Hist_prices'H4329-AP5077	2019-20 JSA prices (for confidential tariffs)
'Financial'M32-Q32	License fees
'Financial'M40-Q41	Cross-boundary revenue forecasts/estimates

2.3.1 General

The general inputs worksheet requires general data to be input that relates to the distributor and that underlies certain components of the model.

Where the forecast regulatory year is updated, certain parts of the model will provide error results until the relevant CPI measurement is input.

Table 1 provides guidance on the data inputs on the general inputs worksheet. Figure 7 provides an example of the general inputs worksheet.

Table 1 **General inputs**

Input	Table	Cell	Who?	Notes
Distributor name	1	F8	AER	Select from drop-down menu
Year ending	1	F9	AER	Select from drop-down menu Should all be June to reflect financial year
Forecast regulatory year	1	F10	AER	Select from drop-down menu Reflects upcoming regulatory year (year t)
Current regulatory control period, 1 st year	1	F14	AER	Select from drop-down menu
Current measurement quarter for CPI	1	F17	AER	Select from drop-down menu Should all be December
Previous measurement quarter for CPI	1	F18	AER	Select from drop-down menu Should be June for Victoria, Dec. for others
Forecast inflation	1	F19	AER	From SCS PTRM from determination
Materiality threshold	1	F20	AER	For movements from indicative prices
Seasonal information	1	F24:K27	AER	To give effect to any seasonal charging components in the TSS
Method for side constraints	1	F29	AER	Select from drop-down menu In line with historical pricing proposals
Inputs/outputs units	1	F30:F36	AER	Select from drop-down menu Consistency intended – distributor should discuss with AER if desire different units
Consumption profiles	1	F37:F38	Any	Enter consumption profile to override calculated profile Should be blank in submission – distributors/stakeholders can input profiles for own analysis
Consumption used for profiles	1	F39	AER	Select from drop-down menu AER set for consistent approach – distribution/stakeholders can change for own analysis
Time-of-use weightings	1	F40:F42	Any	Enter time-of-use weightings to override calculated weightings Should be blank in submission – distributors/stakeholders can input profiles for own analysis
Tariff identifiers	1	F44:F45	AER	To include any additional tariff identifiers such as tariff codes, or locational identifiers
CPI	2	F52:F92	AER	Latest actual consumer price index

Figure 7 General inputs worksheet

	A	B	C	D	E	F	G	H	I	J	K	L
1	AER pricing model - AER 2021–22						Back to Index					
2	<i>General</i>											
3	Inputs NSP name, regulatory years for the t, t-1, and t-2 years, inflation, day counts, etc.											
4												
5	Input table 1 General inputs											
6												
7	Inputs		Source		Value							
8	DNSP name		AER		AER							
9	Year ending		AER		June							
10	Forecast regulatory year (t)		AER		2021–22							
11	Current regulatory year (t-1)		Calculated		2020–21							
12	Previous regulatory year (t-2)		Calculated		2019–20							
13	Previous regulatory year (t-3)		Calculated		2018–19							
14	Current regulatory control period, first year		AER		2021–22							
15	Current regulatory control period, last year		Calculated		2025–26							
16												
17	Current measurement quarter for CPI		AER		December							
18	Previous measurement quarter for CPI		AER		June							
19	Forecast inflation for current regulatory control period		Determination		2.00%							
20	Materiality threshold for indicative price movements		AER		5.00%							
21	Threshold for individual trial tariff revenue		NER		1.00%							
22	Threshold for aggregate trial tariff revenue		NER		5.00%							
23	Days per year		Calculated		365		2020–21		2019–20			
24	Days for high season		TSS		120		365		366			
25	Days for low season		TSS		90		120		121			
26	Other seasonal period		TSS		Season		90		90			
27	Days for other seasonal period		TSS		121		121		121			
28												
29	Method for side constraints		AER		Incremental							
30	Unit for inputs and revenues		AER		Smillions		0.000001					
31	Unit for output tables (from revenues)		AER		Smillions		1					
32	Unit for standalone/avoidable costs (from revenues)		AER		Smillions		1					
33	Unit for consumption totals and outputs		AER		GWh		0.000001		NOTE - assumption that consumpt			
34												
35	Units for average consumption calculations		AER		Customers							
36	Units for consumption profiles		AER		kWh		1000000					
37	Residential consumption profile (calculated if blank)		AER									
38	Small business consumption profile (calculated if blank)		AER									
39	Forecast vs Actual consumption used for profiles		AER		Actual							
40	Peak weighting override (calculated if blank)		AER									
41	Off-peak weighting override (calculated if blank)		AER									
42	Shoulder weighting override (calculated if blank)		AER									
43												
44	Tariff identifier 1		AER		Code							
45	Tariff identifier 2		AER		Other identifier							
46												
47	Input table 2 Inflation											
48												
49					Index value		Inflation		Applicable regulatory year			
50	Source				ABS		Calculated					
51	Unit				index		Percent					
52	Dec-2014				106.6							
53	Mar-2015				106.8							
54	Jun-2015				107.5				2015–16			
55	Sep-2015				108.0							

2.3.2 Financial

The financial inputs worksheet requires data to be input that relates to the calculation of allowed revenues and the unders/overs accounts. A number of these inputs may be placeholders for the purpose of the pre-lodgement engagement process.

DPCC and JSA breakdowns will be set in line with breakdowns in the income and expenditure tables of the annual reporting RINs for reconciliation purposes as well as transparency and consistency. This will differ from historical approaches (particularly for Victorian distributors) where cross-boundary expenditure may have been reported in pricing proposals as net of cross-boundary revenue.

Where appropriate, historical inflation and WACC should be hard coded over calculated values to reflect appropriate historical approach.

Table 2 provides guidance on the data inputs on the financial inputs worksheet. Figure 8 provides an example of the financial inputs worksheet.

Table 2 Financial inputs

Input	Table	Cell	Who?	Notes
Adjustment labels	4	C16:C34	AER	Labels to reflect applicable annual adjustments as per the determination
Cost breakdown labels	5,6	C44:C48, C63:C66	AER	Labels to reflect cost breakdowns available in regulatory information notices (RIN)
Under/over-recovery adjustments	5,6,8	J50:Q50, J68:Q68, J109:Q109	AER	AER to input historical data
Real vanilla WACC	3	J7:Q7	AER	From latest applicable PTRM
X-factor	3	N10:Q10	AER	From latest applicable PTRM
Allowed smoothed revenue	3	J11:Q11	AER	From latest applicable PTRM
Incentive schemes	4	J16:Q23	AER	As determined by AER previously
Cost pass-throughs	4	J26:Q28	AER	As approved by AER
Other adjustments	4	J31:Q34	AER/ distributor	As applicable Distributors' inputs to include supporting documentation (e.g., invoices for license fees) and include calculations in formula or supporting worksheet (e.g., to apply WACC)
Cross-boundary revenue	5	J40:Q41	AER/ distributor	As applicable AER to input historical data
Disaggregated DPPC forecasts and estimates	5	J44:Q48, J53:Q57	AER/ distributor	AER to input historical data Distributors' inputs to include supporting documentation where available If estimates blank, relevant forecasts used
Disaggregated JSA forecasts and estimates	6	J63:Q66, J71:Q74	AER/ distributor	AER to input historical data Distributors' inputs to include supporting documentation where available If estimates blank, relevant forecasts used
Unders/overs opening balance	7	J80:K82	AER	AER to input balance to be carried forward in relevant year (or zero balance in the case of applicable remittals)
Deliberate under-recoveries	7	J85:Q87	Distributor	Distributors' inputs to include supporting documentation where available
Allowed revenues	7	J90:L92	AER	AER to input historical data
Miscellaneous adjustments	7	J94:Q94	AER	AER to use for any applicable miscellaneous adjustments (e.g., COVID-19 adjustment for CitiPower, as per determination)
Estimated revenues	7	J97:Q99	AER/ distributor	AER to input historical data If blank, estimates will be calculated from relevant prices and estimated quantities
Metering inputs	8	J103:Q113	AER/ distributor	As per applicable inputs for tables 3,4, 7 above

Figure 8 Financial inputs worksheet

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
1	AER pricing model - AER 2021–22										Back to Index							
2	Financial																	
3	Inputs the WACC, x-factors, allowed revenues, and annual adjustments																	
4																		
5	Input table 3 Financial information			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
7	Real vanilla WACC			PTRM	Per cent													
8	Inflation			Input/General	Per cent	2.08%	1.59%	1.84%	0.86%	2.00%	2.00%	2.00%	2.00%					
9	Adjusted nominal WACC			Calculation	Per cent	2.08%	1.59%	1.84%	0.86%	2.00%	2.00%	2.00%	2.00%					
10	X-factor			PTRM	Per cent													
11	Allowed smoothed revenue			PTRM	\$millions													
12																		
13																		
14	Input table 4 Annual adjustments			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
15	S factor (STPS 1,2)			AER	Per cent													
17																		
18	S factor (STPS 2,0)			AER	\$millions													
19	H factor (CSIS)			AER	\$millions													
20	DMIS			AER	\$millions													
21	DMIA			AER	\$millions													
22	f-factor			AER	\$millions													
23																		
24	Total Incentive Schemes			Calculation	\$millions													
25																		
26	Cost pass-through 1			AER	\$millions													
27	Cost pass-through 2			AER	\$millions													
28	WACC true-up (Vic)			AER	\$millions													
29	Total Cost Pass-Throughs			Calculation	\$millions													
30																		
31	Under/over-recovery adjustment (distribution)			AER	\$millions													
32	License fees			DNSP	\$millions													
33	COVID-19 adjustment			AER	\$millions													
34	RV factor			AER	\$millions													
35	Total B factor adjustments			Calculation	\$millions													
36																		
37	Input table 5 Designated Pricing Proposal Costs (DPPC)			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
38																		
39	Cross-boundary revenue																	
40	Year t forecasts			DNSP	\$millions													
41	Year t-1 estimates			DNSP	\$millions													
42																		
43	Year t forecasts																	
44	AEMO			DNSP	\$millions													
45	Transmission connection			DNSP	\$millions													
46	Embedded generators			DNSP	\$millions													
47	Cross-boundary expenditure			DNSP	\$millions													
48																		
49	Total Forecast DPPC			Calculation	\$millions													
50	Under/over-recovery adjustment (DPPC)			AER	\$millions													
51																		
52	Year t-1 estimates																	
53	AEMO			DNSP	\$millions													
54	Transmission connection			DNSP	\$millions													
55	Embedded generators			DNSP	\$millions													
56	Cross-boundary expenditure			DNSP	\$millions													
57																		
58	Total Estimate DPPC			Calculation	\$millions													
59																		
60	Input table 6 Jurisdictional Scheme Amounts (JSA)			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
61																		
62	Year t forecasts																	
63	PFI			DNSP	\$millions													
64	TFIT			DNSP	\$millions													
65	ESV levy			DNSP	\$millions													
66																		
67	Total Forecast JSA			Calculation	\$millions													
68	Under/over-recovery adjustment (JSA)			AER	\$millions													
69																		
70	Year t-1 estimates																	
71	PFI			DNSP	\$millions													
72	TFIT			DNSP	\$millions													
73	ESV levy			DNSP	\$millions													
74																		
75	Total Estimate JSA			Calculation	\$millions													
76																		
77	Input table 7 Unders and overs accounts			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
78																		
79	Unders/overs opening balances																	
80	Distribution			AER	\$millions													
81	DPPC			AER	\$millions													
82	JSA			AER	\$millions													
83																		
84	Deliberate under-recoveries																	
85	Distribution			DNSP	\$millions													
86	DPPC			DNSP	\$millions													
87	JSA			DNSP	\$millions													
88																		
89	Allowed revenues																	
90	Distribution			AER	\$millions													
91	DPPC			AER	\$millions													
92	JSA			AER	\$millions													
93																		
94	Miscellaneous adjustment (e.g. COVID-19) - Distribution			AER	\$millions													
95																		
96	Estimated revenues																	
97	Distribution			DNSP	\$millions													
98	DPPC			DNSP	\$millions													
99	JSA			DNSP	\$millions													
100																		
101	Input table 8 Metering (Vic only)			Source	Unit	2018–19	2019–20	2020–21	2021–22	2022–23	2023–24	2024–25	2025–26					
102																		
103	Metering x-factor			PTRM	Per cent													
104	Metering allowed smoothed revenue			PTRM	\$millions													
105																		
106	Pass through amounts			AER	\$millions													
107	WACC true-up			AER	\$millions													
108	Total cost pass-throughs			Calculation	\$millions													
109	Under/over-recovery adjustment (metering)			AER	\$millions													
110	Unders/overs opening balance			AER	\$millions													
111	Deliberate under-recoveries			DNSP	\$millions													
112	Allowed revenues			AER	\$millions													
113	Estimated revenues			DNSP	\$millions													

2.3.3 Actuals

The actuals inputs worksheet requires data to be input that relates to the actual revenues and expenditures reported by the distributors, as well as some operational data reported. Operational data inputs are for information and external analysis only, and do not currently contribute to any other components of the model.

Actual revenues and expenditures are required to be accompanied by independent assurance. This requirement is considered as being met when revenue and expenditure reconcile with the RINs, for which assurance is provided.

Where a distributor identifies that actual revenue and/or expenditure differs to what has been reported in the RINs, the distributor will be required to input the correct data and resubmit the RINs with new independent assurance over the revised data (resubmission should occur prior to the pricing process to ensure appropriate validations can occur within the process). The independent assurance should meet the requirements of the RIN under which the original data was submitted.

Table 3 provides guidance on the data inputs on the actuals inputs worksheet.

Table 3 Actuals inputs

Input	Table	Cell	Who?	Notes
Actual revenues	9	J7:Q12	AER	Data sourced from Table 8.1.1.1 of AR RIN
Actual expenditure	10	J16:Q26	AER	Data sourced from Table 8.1.1.2 of AR RIN
Operational data units	11	E31:E52	AER	Units as per Tables 3.4.1.4, 3.4.1.1, 3.4.2.1 of EB RIN
Actual operational data	11	J31:Q51	AER	Data sourced from Tables 3.4.1.4, 3.4.1.1, 3.4.2.1 of EB RIN

2.3.4 Metering

The metering inputs worksheet requires data to be input that relates to the metering prices to apply to small customers for the purpose of cost movement analysis. For Victorian distributors, whose metering services are revenue-capped, it requires data to be input related to prices and quantities of metering services.

Table 4 provides guidance on the metering inputs on the metering inputs worksheet.

Table 4 Actuals inputs

Input	Table	Cell	Who?	Notes
Metering tariffs and units	12	C7:F36	AER	As per ACS model and determination Non-Victorian distributors only
Metering tariffs and units	13	C42:F48	AER	As per determination Victorian distributors only
Metering prices	12	K7:R36	AER/ distributor	AER to input historical data Proposed prices as per ACS model Non-Victorian distributors only Default as price caps
Metering proposed prices	13	K42:R48	AER/ distributor	AER to input historical data Victorian distributors only
Metering quantities	13	K51:R57	AER/ distributor	AER to input historical data as available Quantities forecasts to be replaced by estimates and actuals as known Victorian distributors only

2.3.5 Tariffs

The tariffs inputs worksheet requires data to be input that relates to the tariff classes, charging components, and tariffs for each distributor. Some of this data assists with converting to common units and identifying tariffs and charging components for treatment or inclusion in other components of the pricing model. This information will generally be sourced from the applicable TSS.

The tariffs throughout the pricing model are separated into two categories – tariffs and confidential tariffs. Tariffs listed in the confidential tariffs sections are generally those that apply to individual customers, or otherwise may allow data related to individual customers to be identifiable and are required to be redacted for public versions of the model. These have been segregated to allow for easy identification and redaction.

Controlled load and dedicated circuit tariffs, and any similar ‘secondary’ tariffs will be treated as individual line items for the purpose of this model. This allows more reflective and transparent analysis, particularly that for cost movements.

Block charging components (table 15) should be listed as ‘anytime’ consumption (column S). Block information for tariffs (table 16) should reflect the upper limit of consumption for each block, rather than the incremental consumption from the previous block (columns S and T). A block without an upper limit (i.e., the highest block) should be left blank (or as a 0 value).

For the avoidance of doubt, trial tariffs should not be included in the tariffs worksheet. Trial tariffs will be input only into the trial tariffs worksheet (see section 2.3.10).

Table 5 provides guidance on the data inputs on the tariffs inputs worksheet.

Table 5 Tariffs inputs

Input	Table	Cell	Who?	Notes
Tariff classes	14	C7:C17	AER	Tariff classes as identified in the TSS
Charging component	15	C21:C55	AER	Name of charging component as per TSS
Type of charge	15	D21:D55	AER	Select from drop-down menu To identify charge type and applicable treatments in certain components of model
Abbreviation	15	I21:I55	AER	Abbreviated name for use in tariff schedules and throughout model As per TSS where available
Charging units	15	J21:L55	AER	Select from drop-down menu
Other identifying info.	15	Q21:T55	AER	Select from drop-down menu
Tariff names	16,17	C59:C900	AER	Tariff name as identified in the TSS
Tariff class	16,17	D59:D900	AER	Select from drop-down menu
Other identifiers	16,17	E59:F900	AER	As per TSS or previous tariff schedule
Historical tariff	16,17	G59:G900	AER	Relevant tariff from previous regulatory control period (where applicable) Historical prices, quantities, etc., will source tariff names from here in relevant years
Other identifying info.	16,17	I59:N900	AER	Select from drop-down menu To identify tariff type and applicable treatments in certain components of model
Block information	16	O59:T147	AER	Information for block tariffs for cost movement analysis
Metering tariff	16	U59:U147	AER	Relevant (or typical) metering tariff for cost movement analysis

2.3.6 Quantities (Qty)

The quantities inputs worksheet requires data to be input that relates to the forecast, estimated, and actual quantities for each charging component for each tariff. Estimated quantities will be used to calculate estimated revenues where total estimated revenues are not provided. Actual quantities and customer numbers are used for cost movement and other analysis.

For the avoidance of doubt, estimated and actual quantities should be updated each year for the relevant years, and should not reflect the forecast quantities provided for that year in the relevant pricing proposal.

The forecast quantities are assessed for reasonableness, as required by the NER to approve a pricing proposal.¹⁵

¹⁵ NER cl. 6.18.8(a)(3).

Table 6 provides guidance on the data inputs on the quantities inputs worksheet.

Table 6 Quantities inputs

Input	Table	Cell	Who?	Notes
Forecast quantities	18,19	H8:AS96, H290:AS1038	Distributor	Forecast quantities for the upcoming period Supporting material (including methodology) to be provided
Estimated quantities	18,19	H101:AS189, H1043:AS171	Distributor	Estimated quantities for the current period Supporting material (including methodology) to be provided
Actual quantities	18,19	H194:AS282, H1796:AS2544	Distributor	Actual quantities for the previous period Supporting material (including methodology) to be provided where applicable

2.3.7 Proposed prices (Prop. Prices)

The proposed prices inputs worksheet requires data to be input that relates to the proposed prices for each charging component, revenue component, and tariff. Proposed prices are used to calculate revenues for the upcoming year.

Table 7 provides guidance on the data inputs on the proposed prices inputs worksheet.

Table 7 Proposed prices inputs

Input	Table	Cell	Who?	Notes
Proposed distribution prices	20,21	H8:AP96, H287:AP1035	Distributor	Proposed distribution prices for the upcoming period
Proposed DPPC prices	20,21	H100:AP188, H1039:AP1787	Distributor	Proposed DPPC prices for the upcoming period
Proposed JSA prices	20,21	H192:AP280, H1791:AP2539	Distributor	Proposed JSA prices for the upcoming period

2.3.8 Historical prices (Hist. prices)

The historical prices inputs worksheet requires data to be input that relates to the historical prices for each charging component, revenue component, and tariff for the current and previous years. These prices are as approved in previous pricing proposals. Historical prices are used to calculate revenues for the current year where total estimated revenues are not provided, and for performing cost movement and other analysis.

Table 8 provides guidance on the data inputs on the historical prices inputs worksheet.

Table 8 Historical prices inputs

Input	Table	Cell	Who?	Notes
Current distribution prices	22,24	H8:AP96, H566:AP1314	AER	Distribution prices for the current year
Current DPPC prices	22,24	H100:AP188, H1318:AP2066	AER	DPPC prices for the current year
Current JSA prices	22,24	H192:AP280, H2070:AP2818	AER	JSA prices for the current year
Previous distribution prices	23,25	H287:AP375, H2825:AP3573	AER	Distribution prices for the actual year
Previous DPPC prices	23,25	H379:AP467, H3577:AP4325	AER	DPPC prices for the actual year
Previous JSA prices	23,25	H471:AP559, H4329:AP5077	AER	JSA prices for the actual year

2.3.9 Indicative prices

The indicative prices inputs worksheet requires data to be input that relates to the indicative total network prices for each charging component, and tariff for the remaining years of the regulatory control period. Initially these indicative prices will be input as provided with the TSS. These prices shall be updated for the remaining years of the regulatory period in each pricing process, with the upcoming year and any preceding years to remain as previously input.

Indicative prices are a requirement under the NER, as are explanations for proposed prices that depart materially from previously indicated in the indicative price schedules.¹⁶

Table 9 provides guidance on the data inputs on the indicative prices inputs worksheet.

Table 9 Indicative prices inputs

Input	Table	Cell	Who?	Notes
Indicative prices	26,27	H8:AP4227	Distributor	Indicative prices for the remaining years of the regulatory period to be updated Upcoming year and preceding years to remain as previously input

2.3.10 Trial tariffs

The trial tariffs inputs worksheet requires data to be input that relates to any trial tariffs for the upcoming year, or historically. For the upcoming year, trial tariff revenues are to be input for compliance with the revenue cap mechanism and other requirements.

In the current and preceding years, price and quantity data is to be input to demonstrate compliance with trial tariff thresholds as per NER requirements.¹⁷

¹⁶ NER cl. 6.18.2(b)(7A) and 6.18.2(d),(e).

¹⁷ NER cl. 6.18.1C(a).

Table 10 provides guidance on the data inputs on the trial tariffs inputs worksheet. Figure 9 provides an example of the trial tariffs inputs worksheet.

Table 10 Trial tariffs inputs

Input	Table	Cell	Who?	Notes
Trial tariff names	28	C7:C26	Distributor	Trial tariff names (including historical)
Trial tariff class	28	D7:D26	Distributor	Select from drop-down menu
Forecast revenue	28	H7:J26	Distributor	Input forecast revenue for each distribution, DPPC, and JSA
Description of tariffs	28	L7:L26	Distributor	Description of trial tariffs
Other tariff identifiers	29	E33:F22	Distributor	Any other identifying information
Quantities estimates and actuals	29	H33:AP74	Distributor	Estimated and actual quantities for current and previous period respectively
Current and previous prices	30,31	H80:AP212	Distributor	Current and previous prices for each revenue and charging component
Historical revenue	32	H218:O283	Distributor	Historical revenue for preceding years

Figure 9 Trial tariffs inputs worksheet

The screenshot shows a spreadsheet interface with the following structure:

- Table 1 (Rows 1-4):** AER pricing model - AER 2021-22. Includes a 'Back to Index' link.
- Table 2 (Rows 5-29):** Input table 28 | Trial tariff forecast revenues 2021-22. Columns: Tariff class, Unit, Distribution, DPPC, JSA, Description of tariffs. Rows include Residential battery, Residential EV, Small business battery, Small business EV, Large business battery, Large business EV, and a Total row.
- Table 3 (Rows 30-39):** Input table 29 | Historical trial tariffs quantities. Columns: Tariff class, Code, Other identifier, Fixed units, Anytime kWh, Block 1 kWh, Block 2 kWh, Peak kWh, Shoulder kWh, Off-peak kWh. Rows include Residential battery, Residential EV, Small business battery, Small business EV, Large business battery, Large business EV.

2.3.11 Tariff costs

The tariff costs inputs worksheet requires data to be input that relates to the avoidable and standalone costs for each tariff class.

The avoidable and standalone costs form lower and upper bounds (respectively) for the expected revenues for each tariff class.¹⁸

¹⁸ NER cl. 6.18.5(e).

Table 11 provides guidance on the data inputs on the tariff costs inputs worksheet.

Table 11 Tariff costs inputs

Input	Table	Cell	Who?	Notes
Avoidable costs	33	L7:Q17	Distributor	Avoidable costs, with supporting calculations and/or model
Standalone costs	34	L21:Q31	Distributor	Standalone costs, with supporting calculations and/or model

2.4 Calculations

The calculations module provides the calculations that underlie the outputs worksheets. These include calculations of allowable, forecast, and estimated revenues, the amounts for the unders/overs accounts, and the cost movements analysis.

2.4.1 Total allowable revenue (TAR)

The TAR worksheet calculates the total allowable revenue for distribution, DPPC, JSA, and metering (for Victorian distributors only).

Total allowable revenue is calculated in line with the price control formulae as per our determinations for distribution and metering. This includes an unders/overs balancing adjustment that reflects the opening balance of the unders/overs account for the year, with a half-year WACC applied. This adjustment is calculated in the financials inputs worksheet.

For DPPC and JSA, total allowable revenue is calculated as the costs forecast to be incurred by the distributor, with a similar balancing adjustment as above for the relevant unders/overs account.¹⁹ For the purpose of transparency, and for use in supplementary analysis, the calculation of these total allowable revenues will not change to reflect estimated or actual DPPC and JSA costs.

Figure 10 provides an example of the total allowable revenue worksheet.

¹⁹ NER cl. 6.18.7(b) and 6.18.7A(b).

Figure 10 Total allowable revenue worksheet

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	AER pricing model - AER 2021-22										Back to Index							
2	Total allowable revenue																	
3	Calculates total allowable revenues																	
4																		
5	Calculation table 1 Allowable distribution revenue			Source	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes				
7	Inflation			Financial	Per cent	2.08%	1.59%	1.84%	0.86%									
8	X-factor			Financial	Per cent													
9	S factor (STPS 1.2)			Financial	Per cent													
10																		
11	I factor			Financial	\$millions													
12	C factor			Financial	\$millions													
13	B factor			Financial	\$millions													
14																		
15	Annual smoothed revenue			Financial	\$millions													
16	Adjusted annual smoothed revenue			Calculation	\$millions													
17	Total allowable revenue			Calculation	\$millions													
18																		
19	B factor, net of under/over-recovery adjustment			Calculation	\$millions													
20	Total allowable revenue for unders/overs accounts			Calculation	\$millions													
21																		
22	Calculation table 2 Allowable DPPC revenue			Source	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes				
23	Total Forecast DPPC			Financial	\$millions													
24	Under/over-recovery adjustment (DPPC)			Financial	\$millions													
25	Total allowable revenue			Calculation	\$millions													
26																		
27																		
28	Calculation table 3 Allowable JSA revenue			Source	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes				
29	Total Forecast JSA			Financial	\$millions													
30	Under/over-recovery adjustment (JSA)			Financial	\$millions													
31	Total allowable revenue			Calculation	\$millions													
32																		
33																		
34	Calculation table 4 Allowable metering revenue (Vic onl)			Source	Unit	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes				
35	Metering x-factor			Financial	Per cent													
36	Total cost pass-throughs			Financial	\$millions													
37	Under/over-recovery adjustment (metering)			Financial	\$millions													
38																		
39																		
40	Annual smoothed revenue			Financial	\$millions													
41	Adjusted annual smoothed revenue			Calculation	\$millions													
42	Total allowable revenue for unders/overs accounts			Calculation	\$millions													
43	Total allowable revenue			Calculation	\$millions													
44																		

2.4.2 Accounts

The accounts worksheet calculates the relevant data for use in the unders/overs accounts for each distribution, DPPC, JSA, and metering (for Victorian distributors only). For information only, a total unders/overs account is also provided.

An additional line item has been added to the unders/overs account (row 15 for distribution in calculation table 6) to reflect the unders/overs balancing adjustment made when the year was the forecast upcoming year (year=t). This line item has been added for transparency and supplementary analysis. It disaggregates the total under/over-recovery to provide both the intended balancing adjustment, as well as the further ‘net’ under/over-recoveries experienced. This effectively removes the under/over-recoveries from previous years applied through the balancing adjustment and ensures the final net under/over-recovery line reflects the under/over-recovery specific to that year.

Total under/over-recoveries are applied to the unders/overs account (row 22 for distribution in calculation table 6) as the total of the balancing adjustment and the net under/over-recovery for a particular year. This maintains the same treatment as set in the applicable determinations.

Table 12 provides guidance on the calculations on the accounts worksheet. Figure 11 provides an example of the accounts worksheet.

Table 12 Accounts calculations

Calculation	Table	Cell	Notes
Revenue from charges	6,7,8,9	J13:Q13, J28:Q28, J43:Q43, J57:Q57	Revenue calculated as proposed prices x forecast quantities for the upcoming forecast year (year=t) Revenue sourced from input estimates where available, otherwise calculated from approved prices x estimated quantities for current year (year=t-1) Revenue sourced from actuals worksheet for previous year (year=t-2)
Cross-boundary revenue	7	J29:Q29	Cross-boundary revenue as forecast, estimated, or reported as actual in the RINs
Total allowable revenue	6,9	J14:Q14, J58:Q58	Total allowable revenue as calculated for use in the unders/overs account on the TAR worksheet For the avoidance of doubt, this total allowable revenue is net of the unders/overs balancing adjustment
Total DPPC/JSA expenditure	7,8	J30:Q30, J44:Q44	Total DPPC/JSA expenditure forecast, estimated (previous forecasts used where estimates not provided), or reported as actual in the RINs, that forms the total allowable revenue.
Balancing adjustment	6,7,8,9	J15:Q15, J31:Q31, J45:Q45, J59:Q59	Unders/overs balancing adjustment made in that year when it was the upcoming forecast year (when it was year=t)
Net under/over-recovery of revenue	6,7,8,9	J17:Q17, J33:Q33, J47:Q47, J61:Q61	Net under/over-recovery forecast/estimated/actually experienced in a particular year (should be 0, or close to 0, when year=t)
Total unders/overs account	10	J71:Q83	Sum of all unders/overs account Provided for information only

Figure 11 Accounts worksheet

	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	AER pricing model - AER 2021-22										Back to Index					
2	Accounts															
3	Calculates under/over-recovery and related data															
4																
5	Calculation table 6 WACC															
6		Source	Unit		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes			
7	Real vanilla WACC	Financial?	Per cent													
8	Inflation	Financial?	Per cent		2.08%	1.59%	1.84%	0.86%								
9	Adjusted nominal WACC	Financial?	Per cent		2.08%	1.59%	1.84%	0.86%								
10																
11	Calculation table 6 Distribution unders/overs accounts															
12	Revenue from charges	Calculation	\$millions													
13	Total allowable revenue	Allowed revenue	\$millions													
14	Balancing adjustment made when year was 't'	Financial?	\$millions													
15	Deliberate under-recoveries	Financial?	\$millions													
16	Net under/over-recovery of revenue	Calculation	\$millions													
17																
18																
19	Opening balance	Financial?	\$millions													
20	Interest on opening balance	Calculation	\$millions													
21	Miscellaneous adjustment (e.g. COVID-19)	AER	\$millions													
22	Total under/over-recovery of revenue (inc. balancing adjustment)	Calculation	\$millions													
23	Interest on under/over-recovery for regulatory year	Calculation	\$millions													
24	Closing balance	Calculation	\$millions													
25																
26	Calculation table 7 DPPC unders/overs accounts															
27		Source	Unit		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes			
28	Revenue from charges	Calculation	\$millions													
29	Cross-boundary revenue	Calculation	\$millions													
30	Total DPPC expenditure	Allowed revenue	\$millions													
31	Balancing adjustment made when year was 't'	Financial?	\$millions													
32	Deliberate under-recoveries	Financial?	\$millions													
33	Net under/over-recovery of revenue	Calculation	\$millions													
34																
35	Opening balance	Financial?	\$millions													
36	Interest on opening balance	Calculation	\$millions													
37	Total under/over-recovery of revenue (inc. balancing adjustment)	Calculation	\$millions													
38	Interest on under/over-recovery for regulatory year	Calculation	\$millions													
39	Closing balance	Calculation	\$millions													
40																
41	Calculation table 8 JSA Unders/overs accounts															
42		Source	Unit		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes			
43	Revenue from charges	Calculation	\$millions													
44	Total JSA expenditure	Allowed revenue	\$millions													
45																
46																
47																
48																
49																
50																
51																
52																
53																
54	Closing balance	Calculation	\$millions													
55	Calculation table 9 Metering Unders/overs accounts (Vic)															
56		Source	Unit		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes			
57	Revenue from charges	Calculation	\$millions													
58	Total allowable revenue	Allowed revenue	\$millions													
59																
60																
61																
62																
63																
64																
65																
66																
67																
68	Closing balance	Calculation	\$millions													
69	Calculation table 10 Total unders/overs account (for information)															
70		Source	Unit		2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	Notes			
71	Total revenue from charges	Calculation	\$millions													
72	Cross-boundary revenue	Calculation	\$millions													

2.4.3 Revenue summary (Rev. summary)

The revenue summary worksheet provides summaries of all revenues for distribution, DPPC, and JSA components. This includes calculated revenue totals for the forecast upcoming year, the estimated current year, and the actual previous year, for tariff classes, charging components, and confidential tariffs. It also provides revenue summaries for Victorian metering services.

Figure 12 provides an example of the revenue summary worksheet.

Figure 12 Revenue summary worksheet

AER pricing model - AER 2021-22													
Revenue summary													
Totals revenues for each tariff, charging component, and tariff class													
Calculation table 11 Tariff classes													
	Unit	2019-20			2020-21			2021-22					
		Distribution	DPPC	JSA	Distribution	DPPC	JSA	Distribution	DPPC	JSA			
Residential	\$millions												
Small business & C	\$millions												
Unmetered	\$millions												
Total	\$millions												
Calculation table 12 Charging components (\$)													
	Type of charge	2019-20			2020-21			2021-22					
		Distribution	DPPC	JSA	Distribution	DPPC	JSA	Distribution	DPPC	JSA			
Fixed charge per kWh	Fixed												
Flat rate consumption charge	Consumption												
Inclining block 1 consumption charge	Consumption												
Inclining block 2 consumption charge	Consumption												
Peak time-of-use consumption charge	Consumption - TOU												
Shoulder time-of-use consumption charge	Consumption - TOU												
Off-peak time-of-use consumption charge	Consumption - TOU												
Calculation table 13 Tariffs (\$)													
	Tariff class	Code	Other identifier	2019-20			2020-21			2021-22			
				Distribution	DPPC	JSA	Distribution	DPPC	JSA	Distribution	DPPC	JSA	
Residential general	Residential												
Residential TOU	Residential												
Residential demand	Residential												
Small business general	Small business												
Small business TOU	Small business												
Small business demand	Small business												
Large business general	I & C												
Large business TOU	I & C												
Calculation table 14 Metering revenues (Vic)													
	Unit	2019-20			2020-21			2021-22					
Metering a	\$millions												
Total	\$millions												
Calculation table 15 CONFIDENTIAL tariffs (\$)													
	Tariff class	Code	Other identifier	2019-20			2020-21			2021-22			
				Distribution	DPPC	JSA	Distribution	DPPC	JSA	Distribution	DPPC	JSA	
Residential	\$millions												
Small business	\$millions												
I & C	\$millions												
Unmetered	\$millions												
Total	\$millions												
ACCC Office	I & C												

2.4.4 Proposed revenue (Prop. revenue)

The proposed revenue worksheet calculates the proposed revenue for each charging component of each tariff for the forecast upcoming year.

2.4.5 Historical revenue (Hist. revenue)

The historical revenue worksheet calculates the estimated and actual revenue for each charging component of each tariff for the current and previous years.

2.4.6 Side constraints revenue (SC revenue)

The side constraints revenue worksheet calculates the expected weighted average revenue for the current year using forecast quantities for the upcoming year as required for the side constraints mechanism. This worksheet also calculates the permissible percentages under two different approaches, applicable to different distributors.

The side constraints revenue worksheet also calculates these elements for metering services for Victorian distributors.

The approach applied to calculating side constraint revenues excludes trial tariff revenue to prevent unintended restrictions to trial tariff revenues. The approach, however, does not exclude new customers or new tariffs (as previously approved in the TSS). Where the introduction of a new customer or new tariff has a significant impact on a tariff class' revenue, the AER will consider the merit in disregarding this customer for the purpose of demonstrating compliance with the side constraints mechanism.

Figure 13 provides an example of the side constraints revenue worksheet.

Figure 13 Side constraint revenue worksheet

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	AER pricing model - AER 2021-22							Back to Index						
2	Side constraints revenue													
3	Calculates permissible percentage and revenue for side constraint mechanism													
4														
5	Calculation table 23 Permissible percentage							Source						
6								Units						
7								2021-22						
8								2022-23						
9								2023-24						
10								2024-25						
11								2025-26						
12	Inflation													
13	X-factor (if X>0, X=0)													
14	S factor (STPS 1.2)													
15	S factor (STPS 1.2) transition													
16	Incremental revenues approach													
17	I factor													
18	C factor													
19	B factor													
20	Permissible percentage													
21	Alternate approach													
22	I factor													
23	C factor													
24	B factor													
25	Permissible percentage													
26	Calculation table 24 Tariff class revenue							Units						
27								2020-21 SC revenue						
28								2021-22						
29	Residential													
30	Small business													
31	I & C													
32	Unmetered													
33	Total													
34	Total													
35	Total													
36	Total													
37	Total													
38	Total													
39	Calculation table 25 PY SC Tariff revenue							Tariff class						
40								Total						
41								Fixed						
42								Anytime						
43								Blocka 1						
44								Blockb 2						
45								Peak						
46								Shoulder						
47								Off-peak						
48								Total						
49								Residential general						
50								Residential TOU						
51								Residential demand						
52								Small business general						
53								Small business TOU						
54								1.00						
55								0.01						
56								0.01						
57								0.01						
58								0.01						
59								0.01						
60								0.01						
61								0.01						
62								0.01						
63								0.01						
64								0.01						
65								0.01						
66								0.01						
67								0.01						
68								0.01						
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114								0.01						
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166								0.01						
167								0.01						
168								0.01						
169								0.01						
170								0.01						

2.4.7 Total quantities (Total qty)

The total quantities worksheet calculates the total fixed units and consumption quantities of tariffs and tariff classes and categorises time-of-use and export consumption accordingly.

2.4.8 Movements

The movements worksheet calculates the average consumption profiles, current year network costs, and forecast upcoming year costs for residential and small business tariffs.

These cost movement calculations include the cost of metering that is typically associated with each tariff.

Figure 14 provides an example of the movements worksheet.

Figure 14 Movements worksheet

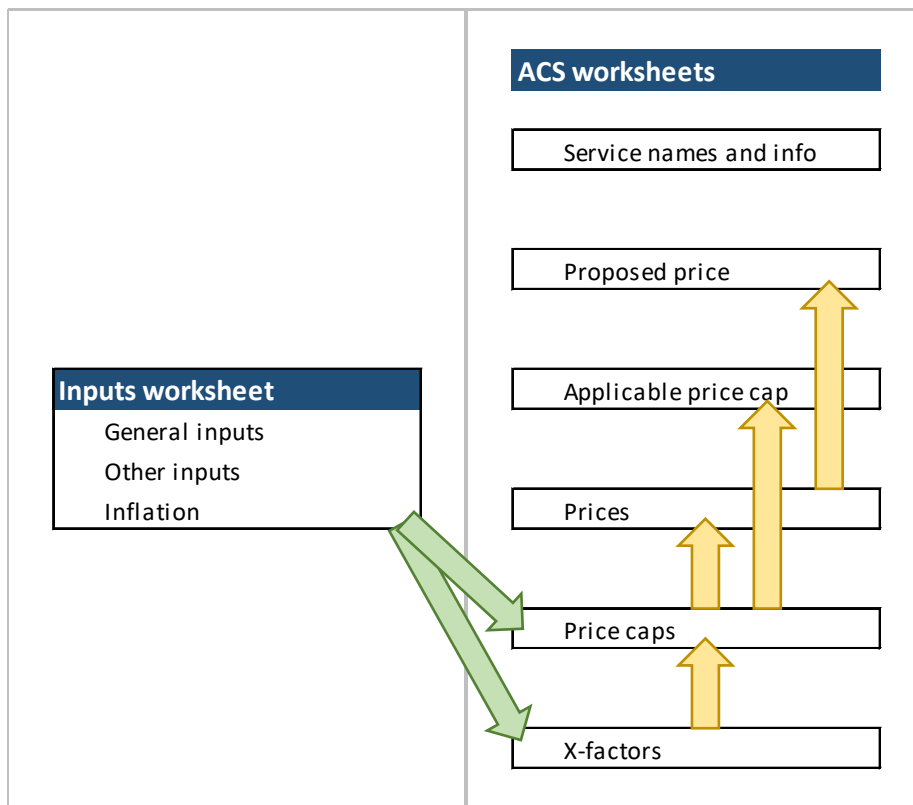
	C	D	E	F	G	H	I	J	K	L	M	N	O	
1	AER pricing model - AER 2021–22												Back to Index	
2	<i>Movements</i>													
3	Calculates network costs and consumption profiles for each residential and small business tariff													
4														
5	Calculation table 31 Tariff information and multiplier:			<i>Block?</i>	<i>TOU?</i>			<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>
6							<i>Fixed</i>	<i>Anytime</i>	<i>Blocka 1</i>	<i>Blockb 2</i>	<i>Peak</i>	<i>Shoulder</i>	<i>Off-peak</i>	
7							<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	
8	Type of charging component						<i>Fixed</i>	<i>Anytime</i>	<i>Anytime</i>	<i>Anytime</i>	<i>Peak</i>	<i>Shoulder</i>	<i>Off-peak</i>	
9	Multiplier						1.00	0.01	0.01	0.01	0.01	0.01	0.01	
10	Tariffs			<i>Block?</i>	<i>TOU?</i>		<i>Block 1</i>	<i>Block 2</i>	<i>Block 3</i>		<i>Meter tariff</i>	<i>2021–22</i>	<i>2020–21</i>	
11	Residential general			yes	no		Block 1	Block 2			Metering a			
12	Residential TOU				yes									
13														
41														
42	Small business general				no									
43	Small business TOU				yes									
44														
45														
73														
74	Calculation table 32 2021–22 Network costs - resider			<i>Block?</i>	<i>TOU?</i>		<i>Total</i>	<i>Fixed</i>	<i>Anytime</i>	<i>Blocka 1</i>	<i>Blockb 2</i>	<i>Peak</i>	<i>Shoulder</i>	<i>Off-peak</i>
75							<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	<i>\$dollars</i>	
76	Distribution													
77	Residential general			yes	no									
78	Residential TOU				yes									
79														

3 Price-capped ACS model

The price-capped ACS model includes inputs, calculations, and outputs that assist the distributor in demonstrating compliance, as well as assisting the AER in its analysis of a pricing proposal.

Figure 15 provides an overview of the ACS model.

Figure 15 Overview of ACS model



At the beginning of each distributor’s regulatory control period, the AER will build a bespoke ACS model for the distributor, including general inputs, descriptors, and tariff information, as well as relevant historical information.²⁰ At this time, and prior to each annual pricing process, the AER will input relevant inputs for the upcoming pricing proposal.

Prior to submitting their pricing proposal each year, the distributor will verify the AER’s inputs, and add inputs relating to proposed prices. The distributor will also engage with the AER regarding certain components of the ACS model, including any issues with the AER’s provided inputs.

In the sections below, we have provided a summary of each worksheet. Any examples provided in the sections below reflect example data only, and do not reflect data of any particular business.

²⁰ This will be completed prior to the 2022/23 pre-lodgement engagement process for each distributor for the first version of the ACS model.

We do not consider that there is a general requirement to identify confidential services in the ACS model. We therefore have not included functionality to redact confidential information in the ACS model. For any business that is required to redact information within the ACS model, this can be done on a manual basis.

The distributor should not alter the structure of the ACS model without prior discussion with the AER. This will ensure that any errors that arise are appropriately considered and actioned across all distributors' models, consistency is maintained, and the function of the ACS model is maintained²¹.

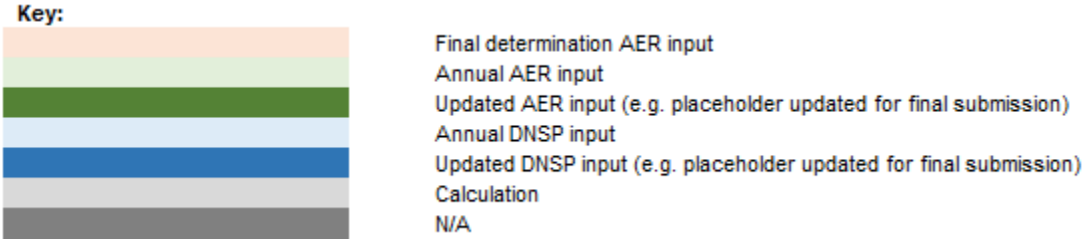
3.1 General

This model includes both a title page and a lookups page.

3.1.1 Title page ('Pricing model')

The title page includes an inputs key, version log, contents list, inputs guide, and change log. The change log is intended to be used to detail changes between models provided in pre-lodgement engagement and models provided in pricing proposal submissions. Figure 16 provides the inputs key, while Figure 17 provides an example of the title page worksheet.

Figure 16 **Inputs key**



²¹ It is also expected that the AER will operate internal models that will rely on sourcing data from across all distributors' pricing models, which will rely on the consistency of the models.

Figure 17 Title page worksheet

	C	D	E	F	G	H	I	J	
1	AER pricing model - price capped ACS								
2	AER 2021–22								
3	Electricity Distribution Network Service Provider								
4									
5									
6									
7									
8									
9	Key:			Version Record	Date	Description			
10		Final determination AER input		0.1	Oct-21	Draft version of new model			
11		Annual AER input							
12		Updated AER input (e.g. placeholder updated for final submission)		0.2	Nov-21	Final model for DNSP QA			
13		Annual DNSP input		1.0	Dec-21	Final model for use in 2022/23 process			
14		Updated DNSP input (e.g. placeholder updated for final submission)		1.1	Sep-22	Updated for issues arising in 2022/23 pricing process, feedback from consultation with wider			
15		Calculation		1.2	Nov-22	Final updated model (from broader stakeholder consultation) for DNSP QA			
16		N/A		2.0	Dec-22	Final model for use in 2023/24 process			
17				2.1	Oct-23	Updated for 2024–29 determinations for NSW/ACT/NT/Tas businesses to reflect changes in determination (e.g. side constraints application)			
18				3.0	Apr-24	Final model updated for 2024–29 determinations for use in 2024/25 initial pricing where applicable			
19									
20	Contents								
21									
22	General Inputs	General inputs including business information, inflation, and x-factors							
23	Ancillary Network Services	Price caps, historical prices, proposed prices, and compliance checks for ancillary network services							
24	Labour Rates	Price caps, historical prices, proposed prices, and compliance checks for labour rates used for quoted services							
25	Public Lighting	Price caps, historical prices, proposed prices, and compliance checks for public lighting							
26	Metering	Price caps, historical prices, proposed prices, and compliance checks for metering (for Victoria this is related to metering exit fees)							
27	Lookup Tables	Tables for lookups							
28									
29	Inputs guide								
30									
31	To be input by AER at beginning of regulatory control period:				To be input by AER prior to annual pricing process each year:				
32	General Inputs F9	DNSP name		General Inputs F10	Forecast regulatory year for pricing proposal				
33	General Inputs F9	Month that year ends in (i.e. June for financial year)		General Inputs N27_N30	Any approved X-factors for ACS				
34	General Inputs F12	First year of regulatory control period		General Inputs F37_F77	December CPI value				
35	General Inputs F14_F15	CPI measurement information		To be input by DNSP prior to submission each year:					
36	General Inputs F16	Forecast inflation		Ancillary Network Services N7_R323	Proposed prices for forecast regulatory year - default to price cap				
37	General Inputs K22_N25	X-factors for ACS		Labour Rates M7_Q36	Proposed prices for forecast regulatory year - default to price cap				
38	Ancillary Network Services C7_F323	Approved ancillary network services information		Public Lighting N7_R305	Proposed prices for forecast regulatory year - default to price cap				
39	Ancillary Network Services T7_T323	Approved year 1 price caps		Metering O7_S36	Proposed prices for forecast regulatory year - default to price cap				
40	Ancillary Network Services Z7_AC323	Individual X-factors where applicable - default to general input		NOTE: All DNSP input cells have formulae as default to set prices to price caps					
41	Labour Rates C7_S36	Approved labour rates for quoted services							
42	Labour Rates S7_S36	Approved year 1 price caps							
43	Public Lighting C7_F305	Approved public lighting services							
44	Public Lighting T7_T305	Approved year 1 price caps							
45	Public Lighting Z7_AC305	Individual X-factors where applicable - default to general input							
46	Metering C7_S36	Approved metering services (exit fees for Vic)							
47	Metering U7_U36	Approved year 1 price caps							
48	Metering AA7_AD36	Individual X-factors where applicable - default to general input							
49									
50	Changelog (to detail completion of inputs, and any changes to inputs)								
51									
52	Date	Description							
53									

3.1.2 Lookups

The lookups worksheet contains lookups for use throughout the model, including unit denominations, and month and year references. The lookups page is also used to differentiate between Victorian and non-Victorian distributors, particularly for historical years and inflation (Victorian distributors operated on calendar years historically).

3.2 General inputs

The general inputs worksheet requires general data to be input that relates to the distributor and that underly the individual service worksheets of the model.

Table 13 provides guidance on the data inputs on the general inputs worksheet. Figure 18 provides an example of the general inputs worksheet.

Table 13 General inputs

Input	Table	Cell	Who?	Notes
Distributor name	1	F8	AER	Select from drop-down menu
Year ending	1	F9	AER	Select from drop-down menu Should all be June to reflect financial year
Forecast regulatory year	1	F10	AER	Select from drop-down menu Reflects upcoming regulatory year (year t)
Current regulatory control period, 1 st year	1	F12	AER	Select from drop-down menu
Current measurement quarter for CPI	1	F14	AER	Select from drop-down menu Should all be December
Previous measurement quarter for CPI	1	F15	AER	Select from drop-down menu Should be June for Victoria, Dec. for others
Forecast inflation	1	F16	AER	From SCS PTRM from determination
X-factors	2	K22:N25	AER	X-factors for each ACS as set in the determination (where common X-factors exist for all tariffs for a particular type of service)
A-factors	2	K27:N30	AER	Any applicable A-factor as determined in advance by the AER
CPI	2	F37:F77	AER	Latest actual consumer price index

Figure 18 General inputs worksheet

Input table 1 General inputs		Source	Value					
Inputs		AER	AER					
DNSP name		AER	June					
Year ending		AER	2021-22					
Forecast regulatory year (t)		AER	2020-21					
Current regulatory year (t-1)		Calculated	2021-22					
Current regulatory control period, first year		Determination	2025-26					
Current regulatory control period, last year		Calculated	December					
Current measurement quarter for CPI		Determination	June					
Previous measurement quarter for CPI		Determination	2.00%					
Forecast inflation for current regulatory control period		Determination						

Input table 2 Other inputs		Source	Unit	2021-22	2022-23	2023-24	2024-25	2025-26	Notes
Inflation		'General'	Per cent	0.86%	2.00%	2.00%	2.00%	2.00%	
Ancillary Network Services X-factor		PTRM	Per cent						
Public lighting X-factor		PTRM	Per cent						
Metering X-factor (exit fees for Vic)		PTRM	Per cent						
Secondary metering X-factor (capital charges)		PTRM	Per cent						
Ancillary Network Services A-factor		AER	\$dollars						
Public lighting A-factor		AER	\$dollars						
Metering A-factor (exit fees for Vic)		AER	\$dollars						
Secondary metering A-factor (capital charges)		AER	\$dollars						

Input table 3 Inflation		Index value	Inflation	Applicable regulatory year	Half-year inflation
Source		ABS	Calculated		
Unit		index	Percent		
Mar-2015		106.8			
Jun-2015		107.5		2015-16	
Sep-2015		108.0			
Dec-2015		108.4			
Mar-2016		108.2	1.31%		
Jun-2016		108.6	1.02%	2016-17	
Sep-2016		109.4	1.30%		

3.3 Individual service worksheets

The individual service worksheets (ancillary network services, labour rates, public lighting, metering) provide all the applicable tariffs, the calculated price caps, applicable X-factors, and proposed prices.

Table 14 provides guidance on the data inputs and outputs on the individual services worksheets. Figure 19 provides an example of the individual services worksheets.

Table 14 Individual services

Input	Schedule	Cell	Who?	Notes
Tariff name	1,2,3,4	C7:C323, C7:C36, C7:C305, C7:C36	AER	Tariff name as per TSS or determination
Tariff code	1,2,3,4	D7:D323, D7:D36, D7:D305, E7:E36	AER	Tariff code as per TSS, determination, or previous schedule
Type of charge	1,3,4	F7:F323, F7:F305 D7:D36 & G7:G36	AER	Select from drop-down menu Reflect way charge is to be applied, and for metering differentiate between capital and non-capital charges
Proposed price and cap	1,2,3,4	H7:J323, G7:I36, H7:J305, I7:K36	N/A	Output of applicable proposed price and price cap for the upcoming year
Compliance	1,2,3,4	L7:L323, K7:K36, L7:L305, M7:M36	N/A	Identification of compliance of proposed prices against applicable price cap By default, should be compliant as proposed prices are equal to price caps
Proposed prices	1,2,3,4	N7:R323, M7:Q36, N7:R305, O7:S36	Distributor	Proposed prices for the upcoming year Proposed prices will default to the price cap – where a distributor wishes to propose a price that differs than the price cap, it should be hard-coded in these cells
Year 1 price cap	1,2,3,4	T7:T323, S7:S36, T7:T305, U7:U36	AER	Price cap applicable to year 1 as set in determination Subsequent year price caps are calculated from year 1
X-factors	1,3,4	Z7:AC323, Z7:AC305, AA7:AD36	AER	X-factors default to common input on general inputs worksheet Individual X-factors for tariffs can be hard-coded here

Figure 19 Individual services worksheet

AER pricing		2021-22						2025-26			2022-23		Notes	
Schedule 1 Ancillary Network		Proposed prices, and compliance checks for ancillary network services												
Schedule 1 Ancillary Network		Aff code	Unit	Charge	Proposed price	Price cap	Compliance	2021-22	2025-26	2021-22	2025-26	2022-23	2025-26	Notes
7			Dollars											
8			Dollars											
9			Dollars											
10			Dollars											
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Glossary

Term	Definition
ACS	Alternative control services – services that are identifiable to a single customer
AER	Australian Energy Regulator
Distribution	Relates to prices or revenue recovered by a distributor to cover the costs of delivering electricity and maintaining the network
DPPC	Designated pricing proposal charges – charges that a distributor incurs in relation to the transmission of electricity and passes through to customers
Indicative prices	Prices for the remaining years of a regulatory control period to reflect the intended price path for each tariff
JSA	Jurisdictional scheme amounts – charges that a distributor incurs in relation to jurisdictional schemes (generally relating to renewable energy schemes or feed-in tariff payments) and passes through to customers
NER	National Electricity Rules
Network price	The total network price, including distribution, DPPC, and JSA components
Permissible percentage	The percentage threshold allowed for movements in tariff class revenue under the side constraint mechanism
Price cap	A cap set for which prices cannot exceed – the current control mechanism applicable for alternative control services (with the exception of metering in Victoria)
Pricing process review	A review into the pricing process to find efficiencies and deliver more timely and accurate pricing proposals and approvals
Quantities	Relates to forecast, estimated, or actual consumption, demand, and customer/meter numbers that are used to bill customers
Regulatory control period	The period that a regulatory determination applies to (generally five years)
Regulatory determination	The AER's decision on how much revenue a distributor can recover, and other applicable requirements for a distributor across the regulatory control period
Revenue cap	A cap set for which revenues cannot exceed – the current control mechanism applicable for standard control services (and metering services in Victoria)
RIN	Regulatory information notices – used by distributors to report financial, operational, and other data to the AER
Side constraint	A mechanism that restricts the revenue movements for each tariff class to protect particular tariff classes from inequitable revenue recovery
Tariff class	The grouping of tariffs by a common identifier (generally type of customer)
Trial tariffs	Tariffs that allow trial of new ways of charging that are not prescribed in the applicable TSS – these are exempt from certain pricing rules (also known as sub-threshold tariffs)
TSS	Tariff structure statement – sets the tariffs, charging components, and other relevant tariff information to apply for the regulatory control period (is a part of the AER's regulatory determination)
Under/over-recovery	The variance between revenue actually recovered and that allowed for a particular year
Unders/overs account	A rolling account that 'trues-up' under/over-recoveries on a (usually) two-year lag
WACC	Weighted average cost of capital
Worksheet	A tab in an Excel workbook that houses data