

Final Decision

Endeavour Energy Electricity Distribution Determination 2024 to 2029 (1 July 2024 to 30 June 2029)

Attachment 16 Alternative control services

April 2024

© Commonwealth of Australia 2024

This work is copyright. In addition to any use permitted under the *Copyright Act 1968* all material contained within this work is provided under a Creative Commons Attributions 3.0 Australia licence with the exception of:

- the Commonwealth Coat of Arms
- the ACCC and AER logos
- any illustration diagram, photograph or graphic over which the Australian Competition and Consumer Commission does not hold copyright but which may be part of or contained within this publication.

The details of the relevant licence conditions are available on the Creative Commons website as is the full legal code for the CC BY 3.0 AU licence.

Inquiries about this publication should be addressed to:

Australian Energy Regulator
GPO Box 3131
Canberra ACT 2601
Tel: 1300 585 165

AER reference: AER212494

Amendment record

Version	Date	Pages
1	30 April 2024	41

List of attachments

This attachment forms part of the AER's final decision on the distribution determination that will apply to Endeavour Energy for the 2024–29 period. It should be read with all other parts of the final decision.

As a number of issues were settled at the draft decision stage or required only minor updates, we have not prepared all attachments. The final decision attachments have been numbered consistently with the equivalent attachments to our draft decision. In these circumstances, our draft decision reasons form part of this final decision.

The final decision includes the following documents:

Overview

Attachment 1 – Annual revenue requirement

Attachment 2 – Regulatory asset base

Attachment 4 – Regulatory depreciation

Attachment 7 – Corporate income tax

Attachment 13 – Classification of services

Attachment 14 – Control mechanisms

Attachment 15 – Pass through events

Attachment 16 – Alternative control services

Attachment 18 – Connection policy

Attachment 19 – Tariff structure statement

Attachment 20 – Metering services

Contents

List of attachments	iii
16 Alternative control services	0
16.1 Ancillary network services.....	0
16.2 Public lighting services.....	5
A Ancillary network services prices	10
B Public lighting prices	27
Shortened forms	36

16 Alternative control services

This attachment sets out our final decision on prices Endeavour Energy is allowed to charge customers for the provision of the following alternative control services: ancillary network services and public lighting. We also make a final decision on metering, which we classify as an alternative control service, in Attachment 20.

Alternative control services are customer specific, or customer requested services and so the full cost of the service is attributed to a particular customer, or group of customers, benefiting from the service.

We set service specific prices to provide a reasonable opportunity to the distributor to recover the efficient cost of each service from customers using that service. This is in contrast to standard control services where costs are spread across the general network customer base.

16.1 Ancillary network services

Ancillary network services are non-routine services provided to individual customers as requested. Our F&A paper outlines several types of services that meet this broad definition.¹

Ancillary network services are charged to customers on a user-pays approach which are charged on either a fee or quotation basis, depending on the nature of the service.

We determine price caps for fee-based services for the 2024–29 period as part of our determination, based on the cost inputs and the average time taken to perform each service. These services tend to be homogenous in nature and scope and can be costed in advance of supply with reasonable certainty, such as disconnections and special meter reads.

By comparison, prices for quoted services are based on the quantities of labour and materials required, with the quantities dependent on a particular task. Prices for quoted services are determined at the time of a customer's enquiry and reflect the individual requirements of the customer's service request.

For this reason, it is not possible to list prices for quoted services in our decision. However, our final decision sets the maximum labour rates to be applied to quoted services.

16.1.1 Final decision

16.1.1.1 Fee-based and quoted services

Our final decision does not accept Endeavour Energy's revised proposal as submitted. Based on our analysis and updated inputs, our final decision is to:

- not accept Endeavour Energy's revised proposal to apply the maximum benchmark labour rates set out in our draft decision for the following labour categories, as we

¹ See AER, *Final framework and approach for Ausgrid, Endeavour Energy and Essential Energy for the 2024- 29 regulatory control period*, July 2022, pp. 5–6. Our F&A paper outlines several types of services that can be considered as meeting this broad definition such as network ancillary services, basic connection services and non-routine metering services.

accepted that Endeavour Energy’s initial proposal rates were efficient in our draft decision:

- Admin Support (business and after hours)
- Technical Specialist R2 (business and after hours)
- Senior Engineer (business and after hours)
- Engineering Manager (business and after hours)
- Technical Specialist R2 Outdoor (business and after hours)
- not accept Endeavour Energy’s proposal to change its labour type and time on task assumptions for its “Error correction due to incorrect information received from Retailers or Metering Providers (no Site Visit)”
- accept Endeavour Energy’s proposal to amend the description to its “Access permits, oversight and facilitation” fee-based service
- accept Endeavour Energy’s proposed new fee and quoted services for requests to provide access to metering installations secured by master key
- substitute Endeavour Energy’s proposed year one (2024–25) prices for fee-based services with our final decision price caps for 2024–25 (see section 16.1.4.2 and appendix A)
- substitute Endeavour Energy’s proposed X factors with our final decision labour price growth forecasts.

16.1.1.2 X factors for ancillary network services

As ancillary network services have a high share of labour and labour-related inputs, we use labour price growth forecasts as the ancillary network services X factor. Consistent with our previous decisions, we derived the X factor by averaging wage price index growth forecasts from KPMG (provided by the AER) and BIS Oxford Economics (provided by the distributor).² We have updated the labour price growth forecasts for our final decision to include the most recent forecasts. Our final decision X factors for ancillary network services are set out in Table A.1 in appendix A of this attachment.

16.1.1.3 Form of control for ancillary network services

Our final decision is to maintain our final F&A position to apply price caps to ancillary network services as the form of control.

Under a price cap form of control, we set a schedule of price caps for fee-based services and maximum labour rates for quoted services for the first year of the period, 2024–25. For all subsequent years of the 2024–29 period, prices will be adjusted by the applicable control mechanism formula set out in Attachment 14 – Control mechanisms. This mechanism adjusts price caps and maximum labour rates annually for inflation, an X factor³, and any relevant adjustments.

² For more detail on the reasons for this decision, see the discussion in section 6.4.2 of Attachment 6 – Operating expenditure.

³ Under the CPI–X framework, the X factor measures the real rate of change in prices from one year to the next. For ancillary network services, the X factor is the wage price growth given that labour is the primary cost input for providing these services.

16.1.2 Endeavour Energy’s revised proposal

Endeavour Energy accepted most of our draft decision on the labour rates for quoted services and prices for fee-based services. However, Endeavour Energy proposed to apply our maximum benchmark labour rates to all of its 16 labour categories including to 5 labour rates that we had accepted in our draft decision.⁴

Endeavour Energy proposed to change its labour classification and service timings for the “Error correction due to incorrect information received from Retailers or Metering Providers (no Site Visit)” service. This is to address the material fee increase from adopting our maximum benchmark and adjust the service fee so that it is consistent with our draft decision.⁵ Endeavour Energy replaced the Senior Engineer labour category to a Technical Specialist and increased the service times from 30 minutes to 60 minutes.⁶

Endeavour Energy also proposed to introduce new fee based and quoted services to accommodate requests to provide access to metering installations secured by Endeavour Energy’s master key.⁷

In addition, Endeavour Energy proposed a minor amendment to the description to its “Access permits, oversight and facilitation” service to ensure meter board unlocking activities are unambiguously captured within this service.⁸

Appendix A contains Endeavour Energy’s proposed labour rates for quoted services and prices for fee based services.⁹

16.1.3 Assessment approach

The regulatory framework for assessing alternative control services is less prescriptive than for standard control services. That is, there is no requirement to apply the building block model exactly as prescribed in Part C of the National Electricity Rules (NER).

On this basis, our approach involves an assessment of the efficient costs of providing ancillary network services. Labour costs are the major input in the cost build-up of prices for ancillary network services. Therefore, our assessment focuses on comparing Endeavour Energy’s proposed labour rates against maximum total labour rates, which we consider efficient.

Where Endeavour Energy’s proposed labour rates exceed our maximum efficient labour rates, we apply our maximum efficient labour rates to determine prices. We follow this assessment process for services provided on a fee or quotation basis.

⁴ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, pp. 52-53.

⁵ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 54.

⁶ Endeavour Energy, *0.22 Revised ANS Pricing Model*, November 2023.

⁷ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 54.

⁸ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 54.

⁹ The labour rates in Table A.3 are specifically for quoted services, though they are consistent with the labour rates for fee-based services. The difference is that “base” labour rates and on-costs are the explicit labour input for fee-based services, with overheads being calculated at a later stage based on total direct costs (labour, materials and so on).

We also considered relevant stakeholder feedback raised throughout the consultation process and benchmarked Endeavour Energy's proposed ancillary network services prices against its prices for the 2019–24 period and the prices of other distributors. We will also make further adjustments to Endeavour Energy's ancillary network services prices where we consider it appropriate to do so.

16.1.4 Reasons for final decision

16.1.4.1 Endeavour Energy's proposed labour rate approach

We do not accept Endeavour Energy's proposal to adopt our maximum benchmark rates to their Admin Support, Technical Specialist (indoor and outdoor), Senior Engineer and Engineer Manager as we already accepted the labour rates in our draft decision.

In our draft decision, we accepted that Endeavour Energy's proposed labour rates for their Admin Support, Technical Specialist (indoor and outdoor), Senior Engineer and Engineer Manager categories were efficient as they were below our maximum benchmark rate. However, we did not accept Endeavour Energy's proposed labour rates for their Engineer and Field Worker and labour categories as they were above our maximum benchmark rates. Therefore, we adjusted down these categories down to our maximum benchmark rates.¹⁰

Endeavour Energy accepted our draft decision to substitute the labour rates for the Engineer and Field Worker labour categories but proposed to increase the labour rates for Admin Support, Technical Specialist (indoor and outdoor), Senior Engineer and Engineer Manager to our maximum benchmark rates.¹¹ This change would result in a nominal price increase between 1% to 6% on relevant fee-based services.

Endeavour Energy stated that differences between the initial proposal and draft decision prices were due to our revised methodology and use of newer inputs to calculate our benchmark rate. Unlike its previous proposals, Endeavour Energy's labour rates in its initial proposal were derived using a similar benchmarking method to ours. Therefore, they considered it appropriate that the maximum benchmark rates are applied to all labour categories including for the services that were below our maximum benchmark rates and which we accepted in our draft decisions.¹²

Endeavour Energy further stated it is not reasonable to compare labour rates that have been derived by the same approach with variations arising due to a change in prevailing method and updated inputs.¹³

We do not agree with Endeavour Energy's view that our benchmark rates be used deterministically to set labour rates. Rather, the intention of the benchmark rates is to assess whether the proposed labour rates are within the upper bound of reasonable benchmark rates, regardless of the approach the distributor has used to derive them. For Endeavour Energy, we accepted the proposed labour rates that were below our maximum benchmark rates as we considered they are reasonable cost inputs for the 2024–29 period. For the

¹⁰ AER, *Attachment 16 Alternative Control Services – Endeavour Energy distribution determination 2024–29 Draft Decision*, p.2.

¹¹ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 53.

¹² Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, pp. 52-54.

¹³ Endeavour Energy, *0.01 Revised Regulatory Proposal*. November 2023, p. 53.

proposed rates above the maximum benchmark, they were adjusted down to the benchmark rate as anything above reflect more than what we consider the upper bound of reasonable costs.

Where the AER accepts a distributor's initial proposal, it is not the intention of the regulatory framework for a distributor to come back in its revised proposal with rates that reflect an assessment tool (rather than rates that reflect its best estimates of its own costs). As noted in clause 6.10.3(b) of the National Electricity Rules:

- a) A DNSP may only make revisions in a revised regulatory proposal... to incorporate the substance of any changes required to address matters raised by the draft decision or the AER reasons for it.

Therefore, we consider it outside the requirements in the NER for Endeavour Energy to propose higher labour rates to the maximum benchmark rates in its revised proposal, just because the labour rates we accepted in our draft decision were lower than the benchmark.

Endeavour Energy rightfully noted that in determining the maximum benchmark rates for some labour categories we used different base level rates than in the past due to the unavailability of more recent rates. We were transparent about this approach in our engagement with the distributors prior to making our draft decision. However, our method and data source (Hays Salary Guide) is the same (applied consistently since 2014) and we consider our approach of escalating the base rates is robust and can be relied on.

We note the 2023–24 Hays Salary Guide did not publish data for several labour categories. As such, our base rates used those in the 2022–23 publication.¹⁴ We converted the 2022–23 rates into real \$2023–24 using labour escalators consistent with our decision on operating expenditure for standard control services. Our analysis indicates the application of these labour escalators track actual labour cost movements quite well on average. Therefore, we consider our maximum benchmark rates are robust and can be relied on for assessing the reasonableness of proposed labour rates.

For our final decision, we do not accept Endeavour Energy's labour rates for its engineer, senior engineer and engineering manager and substitute in the approved labour rates in our draft decision. We adjust these draft decision rates for our final decision on inflation and apply labour escalators to set prices in \$2024–25.

On this basis, we also do not accept Endeavour Energy's proposed labour rates for to its "Error correction due to incorrect information received from Retailers or Metering Providers (no Site Visit)" service. Instead, we apply its initial proposal labour type and time on task assumptions.

¹⁴ The 2023–24 Hays Salary Guide included rates for the Administration and Engineer categories. Unlike previous years, the 2023–24 Hays Salary Guide did not include rates for Technical Specialists, Field Worker and Engineering Manager.

16.1.4.2 Endeavour Energy’s proposed changes to fee based and quoted services.

We accept Endeavour Energy’s proposed new fee and quoted services for requests to provide access to metering installations secured by master key. The AEMC identified that legislation prevents distributors from sharing network keys with metering parties. Therefore, Endeavour Energy may be required to provide access to its secured sites to facilitate any meter installations as part of the Legacy Meter Replacement Plan. We consider this explanation reasonable as Endeavour Energy is entitled to recover costs incurred in providing access to secured sites as required. We also consider the proposed prices for these services reasonable as they benchmark well compared to similar services offered by other networks.

We also accept Endeavour Energy’s proposal to amend the description to its “Access permits, oversight and facilitation” fee-based service in its service classification table to ensure meter board unlocking activities are unambiguously captured within the service. Endeavour Energy proposed adding an extra clause in its service offering to include access to electrical installations secured by a DNSP master lock.

16.2 Public lighting services

Public lighting services include the provision, construction and maintenance of public lighting assets.¹⁵ This definition includes new technologies such as energy-efficient light emitting diode (LED) luminaires and emerging public lighting technologies such as smart-enabled luminaires.¹⁶

The main customers of public lighting services are local government councils and jurisdictional main roads departments.

There are a number of different tariff classes and prices for public lighting services. Factors influencing prices for a particular installation include which party is responsible for capital provision, and which party is responsible for maintaining and/or replacing installations.

In NSW, the date of installation also influences public lighting prices. Public lighting prices comprise of capital and operating expenditure (opex) prices for assets installed either pre or post 2009.

16.2.1 Final decision

Our final decision is to not accept Endeavour Energy’s public lighting proposal as submitted. In particular, we do not accept Endeavour Energy’s proposed labour rate for technical specialists.¹⁷ More generally, we maintain the hourly labour rates we used as inputs to our

¹⁵ AER, *Final framework and approach for Ausgrid, Endeavour Energy and Essential Energy for the 2024-29 regulatory control period*, July 2022, p. 34.

¹⁶ AER, *Final framework and approach for Ausgrid, Endeavour Energy and Essential Energy for the 2024-29 regulatory control period*, July 2022, pp. 34–35.

¹⁷ Endeavour Energy, *Revised Proposal - 0.21 Revised Public Lighting Pricing Model*, November 2023, ‘I_Global Inputs’!D11.

draft decision, updated for the latest available information (see section 16.2.4.1 for more discussion).¹⁸

We have also updated the weighted average cost of capital (WACC) and consumer price index (CPI) used to derive capital and opex prices for consistency with other aspects of our final decision on Endeavour Energy's revised regulatory proposal.

Still, we maintain the sentiment in our draft decision and commend Endeavour Energy for its engagement approach to deliver outcomes valued by its stakeholders throughout this distribution determination.¹⁹

Our final decision public lighting prices for 2024–25 are set out in appendix B. These prices are on average 0.3% higher than Endeavour Energy's prices in its revised proposal.

For all subsequent years of the 2024–29 period, prices will be adjusted by the control mechanism formula set out in Attachment 14. Our final decision sets the X factor²⁰ at zero to be applied in the formula.

16.2.2 Endeavour Energy revised proposal

Endeavour Energy's revised proposal accepted the draft decision on public lighting. For consistency between its public lighting and ancillary network services proposals, Endeavour Energy updated the labour inputs into its public lighting model to reflect the AER's maximum benchmark rates. This results in a 2.2% average increase in Endeavour Energy's public lighting prices compared to the draft decision.²¹

Endeavour Energy proposed no other revisions to the AER's draft decision noting our final decision will update the CPI and WACC inputs into the public lighting prices.²²

16.2.3 Assessment approach

To determine efficient prices for Endeavour Energy's public lighting services we assessed its public lighting model, considered historical data and benchmarked proposed costs against other distributors and against independent data and information as relevant. Specifically, we assessed proposed labour price growth rates, other input assumptions and stakeholder submissions.

We consulted with Endeavour Energy and council representatives through information requests and meetings to clarify and potentially resolve outstanding issues.

We updated model parameters where appropriate after taking the factors described above into consideration.

¹⁸ AER, *Draft Decision Attachment 16 - Alternative control services - Endeavour Energy - 2024-29 Distribution revenue proposal*, September 2023, pp. 19–20.

¹⁹ AER, *Draft Decision Attachment 16 - Alternative control services - Endeavour Energy - 2024-29 Distribution revenue proposal*, September 2023, p. 11.

²⁰ The prices are determined by a price cap control mechanism that adjusts prices for inflation, an X factor and any relevant adjustments.

²¹ Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 52.

²² Endeavour Energy, *0.01 Revised Regulatory Proposal*, November 2023, p. 52.

For Endeavour Energy we benchmarked its proposed LED capex and opex prices against the LED prices of the other NSW distributors.

16.2.4 Reasons for final decision

Our final decision is largely consistent with our draft decision, which Endeavour Energy largely accepted in its revised proposal.

The Consumer Challenge Panel 26 submitted Endeavour Energy's revised proposal reflected outstanding engagement intent to respond to customer concerns, including for public lighting.²³

Below, we address certain issues raised in the revised proposal and from stakeholders. We also describe the updates we made to the revised proposal to arrive at the final decision prices in appendix B.

16.2.4.1 Labour escalator, weighted average cost of capita and CPI

We have amended the following inputs into Endeavour Energy's public lighting model. These amendments are consistent with our final decision on other relevant aspects of Endeavour Energy's revised regulatory proposal.

Labour rates

Our final decision substitutes the labour rates in Endeavour Energy's public lighting model with our maximum benchmark rates for technical specialist (R2).²⁴

This reflects our final decision not to accept Endeavour Energy's revised proposal hourly rate for technical specialists as part of our assessment of Endeavour Energy's ancillary network services proposal (see section 16.1.4.1).

Similarly, we accept Endeavour Energy's labour rates for engineers (R3) and field workers (R4) to reflect our assessment of Endeavour Energy's ancillary network services proposal (see section 16.1.4.1).²⁵

Rate of return

Our final decision substitutes the pre-tax real WACC inputs in Endeavour Energy's public lighting model to be consistent with our final decision on Endeavour Energy's rate of return (see attachment 3).

Inflation

²³ Consumer Challenge Panel 26, *Advice to AER - 2024-29 Revised Electricity Determination and Draft Decision - Endeavour Energy - January 2024*, p. 8.

²⁴ AER, *Final decision - Endeavour Energy - 2024-29 Distribution revenue proposal - Public Lighting Pricing Model*, April 2024, 'I_Global Inputs'!D11.

²⁵ AER, *Final decision - Endeavour Energy - 2024-29 Distribution revenue proposal - Public Lighting Pricing Model*, April 2024, 'I_Global Inputs'!D19:D10.

Our final decision substitutes the forecast inflation input for the 2024–25 year in Endeavour Energy’s public lighting model actual inflation for December 2023.²⁶ This is consistent with our final decision on Endeavour Energy’s control mechanisms (see attachment 14).

Overhead rates

We have amended certain overhead rates in the final decision public lighting model for greater accuracy and transparency.

A stakeholder pointed out to us that certain corporate and divisional overhead rates in Endeavour Energy’s revised proposal model did not reflect the overhead rate from our draft decision.²⁷

In response, Endeavour Energy agreed to amend these rates, which we have incorporated into the final decision model.²⁸ These amendments do not ultimately affect the model calculations and resulting prices. Nevertheless, they are more accurate in that they correctly sum to the actual overhead rates in our draft²⁹ and final decisions.

16.2.4.2 Introducing new services during a regulatory control period

Our final decision is that Endeavour Energy must price any new smart lighting services it introduces during the 2024–29 period according to the control mechanism for quoted services. Endeavour Energy should only introduce new services because customers want them (customer driven). In proposing new services, we require that Endeavour Energy be able to demonstrate customer support for such prices and services.

We acknowledge smart technologies have potential to bring significant efficiencies to public lighting services. We therefore encourage distributors to deploy such technologies—with associated pricing—where they can provide benefits to customers.

We understand “smart lighting” or “smart technologies” are catch-all terms for technologies with a variety of applications. These include metering individual lights, as well as dimming based on ambient lighting levels or pedestrian/vehicle activity. Distributors and public lighting customers therefore need to engage on the types of smart lighting solutions appropriate to their needs.

Given its status as an emerging technology, the industry is also deliberating on regulatory issues regarding aspects of these applications such as individually meter lighting installations.

We understand that distributors are at different stages in their deployment of smart technologies. We are open to Endeavour Energy introducing regulated pricing for smart

²⁶ Australian Bureau of Statistics, *TABLES 1 and 2. CPI: All Groups, Index Numbers and Percentage Changes*.

²⁷ Stakeholder email, 27 December 2023; Endeavour Energy, *Revised Proposal - 0.21 Revised Public Lighting Pricing Model*, November 2023, ‘I_Global Inputs’!E40:M41.

²⁸ Endeavour Energy, *information request END IR#045 – Overhead rates in revised public lighting model – 20240207 – PUBLIC*, 9 February 2024; AER, *Final decision - Endeavour Energy - 2024-29 Distribution revenue proposal - Public Lighting Pricing Model*, April 2024, ‘I_Global Inputs’!E40:M41.

²⁹ For a greater discussion, see AER, *Draft Decision Attachment 16 - Alternative control services - Endeavour Energy - 2024-29 Distribution revenue proposal*, September 2023, pp. 13–15.

lighting during the 2024–29 period where there is demand for such technologies. We consider Endeavour Energy can price smart lighting in accordance with the control mechanism formula for quoted services should it introduce such services during the 2024–29 period (see attachment 14).

We consider this is consistent with our previous distribution determinations. We stated new alternative control services introduced during a regulatory control period with characteristics that are the same or essentially the same as other alternative control services should be priced as a quoted service until the next regulatory control period (see attachment 14).

A point of difference for smart lighting is it is an emerging technology. Hence, there would be no other alternative control services “with characteristics that are the same or essentially the same.” Customer support is therefore vital to introducing such new technologies during the 2024–29 period.

We note Endeavour Energy needs to be able to demonstrate that the price it charges a customer for smart lighting services reflects the efficient costs of those services, in accordance with the control mechanism formula (see attachment 14).

It is worth considering that quoted services generally apply to one-off services. So the control mechanism poses no administrative issues where, for example, a council agrees to pay for smart lighting assets up-front.

However, some councils may prefer to pay for these assets over its economic or useful life. We consider this is possible under the control mechanism for quoted services.

This could involve determining the up-front costs based on the control mechanism formula as a first step. The distributor would then calculate an annual fee using a method appropriate to the service. We consider an annuity approach using the public pricing model—with modifications only as required—is reasonable.

Further information about quoted services and introducing new prices within the 2024–29 period are set out in attachment 14.

A Ancillary network services prices

Table A.1 X factors for each year of the 2024–29 regulatory control period for ancillary network services, final decision (per cent)

	2025–26	2026–27	2027–28	2028–29
X factor	-1.4918%	-0.9117%	-0.8012%	-0.9243%

Note: We do not apply an X factor for 2024–25 because we set 2024–25 ancillary network services prices in this determination. To be clear, the labour escalators in this table are operating as de facto X factors. Therefore, positive labour escalators are represented as negative in this table and vice versa. X factors in this table are rounded to 4 decimal places but distributors should use the raw X factors in the final decision model.

Table A.2 Fee-based ancillary network services for 2024–25, final decision (\$2024–25)

Service	Service category	Revised proposal	Final decision
All Other - Per access authorisation (AA) or authority to work (ATW)	Access permits, oversight and facilitation	\$2,888.91	\$2,692.26
Subdivision - URD - Per Lot	Access permits, oversight and facilitation	\$67.15	\$62.58
Clearance to Work	Access permits, oversight and facilitation	\$2,808.98	\$2,777.52
Break & remake HV bonds - Each additional set	Access permits, oversight and facilitation	\$2,233.32	\$2,209.67
Break & remake HV bonds - One set	Access permits, oversight and facilitation	\$4,018.62	\$3,924.45
Break & remake LV bonds - Each additional set	Access permits, oversight and facilitation	\$1,233.56	\$1,221.68
Break & remake LV bonds - One set	Access permits, oversight and facilitation	\$2,597.56	\$2,532.11
Connect & disconnect generator to a padmount / indoor substation - Each additional gen	Access permits, oversight and facilitation	\$1,077.83	\$1,066.03
Connect & disconnect generator to a padmount / indoor substation - One generator	Access permits, oversight and facilitation	\$2,441.83	\$2,376.45
Connect & disconnect generator to LV OH mains - Each additional generator	Access permits, oversight and facilitation	\$1,077.83	\$1,066.03

Service	Service category	Revised proposal	Final decision
Connect & disconnect generator to LV OH mains - One generator	Access permits, oversight and facilitation	\$2,441.83	\$2,376.45
Install & remove HV live line links - Each additional set	Access permits, oversight and facilitation	\$3,303.32	\$3,267.87
Install & remove HV live line links - One set	Access permits, oversight and facilitation	\$5,205.42	\$5,099.40
Install & remove LV live line links - Each additional set	Access permits, oversight and facilitation	\$1,179.94	\$1,168.08
Install & remove LV live line links - One set	Access permits, oversight and facilitation	\$2,543.94	\$2,478.51
Normal Time - 1 x Visit - Open / Close - 1 hour - Per Job	Access permits, oversight and facilitation	\$191.87	\$178.81
Normal Time - Open / Isolate & CSO to close, Open / Close & no isolation - Per Job	Access permits, oversight and facilitation	\$383.74	\$357.61
Normal Time - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Access permits, oversight and facilitation	\$767.47	\$715.23
Overtime - 1 x Visit - Open / Close - 1 hour - Per Job	Access permits, oversight and facilitation	\$335.77	\$312.91
Overtime - Visit - Open / Isolate & CSO to close, Open / Close & no isolation - Per Job	Access permits, oversight and facilitation	\$671.54	\$625.83
Overtime - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Access permits, oversight and facilitation	\$1,343.08	\$1,251.65
Authorisation - New	Authorisation of ASPs	\$567.75	\$560.66
Authorisation - Renewal	Authorisation of ASPs	\$515.81	\$509.32
Connection of Load - Non Urban - Overhead - 11+ poles	Connection application related services	\$957.63	\$935.73
Connection of Load - Non Urban - Overhead - 1-5 poles	Connection application related services	\$478.81	\$467.86
Connection of Load - Non Urban - Overhead - 6-10 poles	Connection application related services	\$718.22	\$701.80
Subdivision - Non Urban - Overhead - 11+ poles	Connection application related services	\$1,077.33	\$1,052.69

Service	Service category	Revised proposal	Final decision
Subdivision - Non Urban - Overhead - 1-5 poles	Connection application related services	\$478.81	\$467.86
Subdivision - Non Urban - Overhead / Underground	Connection application related services	\$598.52	\$584.83
Subdivision - Non Urban - Underground - 1-5 lots	Connection application related services	\$359.11	\$350.90
Subdivision - Non Urban - Underground - 41+ lots	Connection application related services	\$718.22	\$701.80
Subdivision - Non Urban - Underground - 6-10 lots	Connection application related services	\$478.81	\$467.86
Subdivision - URD - Underground - 11-40 lots	Connection application related services	\$837.93	\$818.76
Subdivision - URD - Underground - 1-5 lots	Connection application related services	\$478.81	\$467.86
Subdivision - URD - Underground - 41+ lots	Connection application related services	\$957.63	\$935.73
Subdivision - URD - Underground - 6-10 lots	Connection application related services	\$598.52	\$584.83
All Other - Asset Relocation, Industrial & Commercial, Non Urban, Public Lighting, URD - Per Substation	Contestable network commissioning and decommissioning	\$2,232.37	\$2,196.88
Subdivision - URD - Per Lot	Contestable network commissioning and decommissioning	\$113.05	\$111.85
Connection of Load - Indoor Substation, Industrial & Commercial - Per Hour, Phase HV Customer and Transmission	Design related services	\$191.87	\$178.81
Connection of Load - Non Urban - Overhead - 11+ poles	Design related services	\$959.34	\$894.04
Connection of Load - Non Urban - Overhead - 1-5 poles	Design related services	\$383.74	\$357.61
Connection of Load - Non Urban - Overhead - 6-10 poles	Design related services	\$575.61	\$536.42
Subdivision - Industrial & Commercial - Overhead - 11+ poles	Design related services	\$959.34	\$894.04
Subdivision - Industrial & Commercial - Overhead - 1-5 poles	Design related services	\$383.74	\$357.61

Service	Service category	Revised proposal	Final decision
Subdivision - Industrial & Commercial - Overhead - 6-10 poles	Design related services	\$575.61	\$536.42
Subdivision - Industrial & Commercial - Underground - 1-10 lots	Design related services	\$575.61	\$536.42
Subdivision - Industrial & Commercial - Underground - 11-40 lots	Design related services	\$767.47	\$715.23
Subdivision - Industrial & Commercial - Underground - 41 + lots	Design related services	\$1,151.21	\$1,072.84
Subdivision - Non Urban - Overhead - 11+ poles	Design related services	\$959.34	\$894.04
Subdivision - Non Urban - Overhead - 1-5 poles	Design related services	\$383.74	\$357.61
Subdivision - Non Urban - Overhead - 6-10 poles	Design related services	\$575.61	\$536.42
Subdivision - Non Urban - Underground - 11-40 lots	Design related services	\$767.47	\$715.23
Subdivision - Non Urban - Underground - 1-5 lots	Design related services	\$191.87	\$178.81
Subdivision - Non Urban - Underground - 41+ lots	Design related services	\$767.47	\$715.23
Subdivision - Non Urban - Underground - 6-10 lots	Design related services	\$575.61	\$536.42
Subdivision - URD - Underground - 11-40 lots	Design related services	\$959.34	\$894.04
Subdivision - URD - Underground - 1-5 lots	Design related services	\$383.74	\$357.61
Subdivision - URD - Underground - 41+ lots	Design related services	\$1,151.21	\$1,072.84
Subdivision - URD - Underground - 6-10 lots	Design related services	\$575.61	\$536.42
Subdivision - URD - Underground - 11-40 lots	Design related services	\$1,343.08	\$1,251.65
Subdivision - URD - Underground - 1-5 lots	Design related services	\$575.61	\$536.42
Subdivision - URD - Underground - 41+ lots	Design related services	\$1,726.82	\$1,609.27

Service	Service category	Revised proposal	Final decision
Subdivision - URD - Underground - 6-10 lots	Design related services	\$767.47	\$715.23
Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$115.12	\$107.28
Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$76.75	\$71.52
Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$671.54	\$625.83
Connection of Load - Non Urban - Overhead - Per Pole (1 - 5)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$115.12	\$107.28
Connection of Load - Non Urban - Overhead - Per Pole (11 +)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$76.75	\$71.52
Connection of Load - Non Urban - Overhead - Per Pole (6 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Connection of Load - Non Urban - Overhead - Per Pole Sub	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$652.35	\$607.95
Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$115.12	\$107.28
Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$76.75	\$71.52
Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40

Service	Service category	Revised proposal	Final decision
Subdivision - Industrial & Commercial - Overhead - Per Pole Sub	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$671.54	\$625.83
Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - Industrial & Commercial - Underground - Per Lot (51+)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - Non Urban - Overhead - Per Pole (1 - 5)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$115.12	\$107.28
Subdivision - Non Urban - Overhead - Per Pole (11 +)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$76.75	\$71.52
Subdivision - Non Urban - Overhead - Per Pole (6 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - Non Urban - Overhead - Per Pole Sub	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$652.35	\$607.95
Subdivision - Non Urban - Underground - Per Lot (1 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - Non Urban - Underground - Per Lot (11 - 50)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$57.56	\$53.64
Subdivision - Non Urban - Underground - Per Lot (51+)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$19.19	\$17.88

Service	Service category	Revised proposal	Final decision
Subdivision - URD - Underground - Per Lot (1 - 10)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$95.93	\$89.40
Subdivision - URD - Underground - Per Lot (11 - 50)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$57.56	\$53.64
Subdivision - URD - Underground - Per Lot (51 +)	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$19.19	\$17.88
Per NOSW - A Grade	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$67.15	\$62.58
Per NOSW - B Grade	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$115.12	\$107.28
Per NOSW - C Grade	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$383.74	\$357.61
Access Permits	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$2,878.03	\$2,682.11
Administration Fee	Inspection services – Private electrical installations and accredited service providers (ASPs)	\$59.85	\$58.48
Supply of conveyancing information - Per Desk Inquiry	Network related property services	\$59.85	\$58.48
de-energising wires for safe approach (e.g. for tree pruning)	Network safety services	\$762.82	\$760.69
Traffic Management to install & remove, break & remake, connect & disconnect excluded distribution services	Network safety services	\$8,291.51	\$8,212.28
Traffic Management to test, terminate and joint excluded distribution services	Network safety services	\$7,599.05	\$7,527.68
Rectification of illegal connections - Per Job	Network safety services	\$731.60	\$723.73

Service	Service category	Revised proposal	Final decision
Network tariff change request	Network tariff change request	\$59.85	\$58.48
Connection of Load - Industrial & Commercial, Non Urban, URD - Per Compliance Cert	Notices of arrangement and completion notices	\$239.41	\$233.93
Subdivision - Industrial & Commercial, Non Urban, URD - Per NOA	Notices of arrangement and completion notices	\$239.41	\$233.93
Off Peak Conversion site visit (no access)	Off-peak conversion	\$143.90	\$134.11
Off Peak Conversions	Off-peak conversion	\$144.26	\$142.62
Vegetation defect management	Rectification works to maintain network safety	\$212.26	\$210.28
Error correction due to incorrect information received from Retailers or Metering Providers (no Site Visit)	Site establishment services	\$119.70	\$120.99
Non market Site Establishment	Site establishment services	\$11.97	\$11.70
Site Establishment - Per NMI	Site establishment services	\$39.90	\$38.99
Site Establishment assessment that does not result in the allocation of a NMI.	Site establishment services	\$9.98	\$9.75
11kV Padmount/Indoor substation cable termination	Termination of cable at zone substation – distributor required performance	\$5,576.15	\$5,542.58
11kV Pole top termination (UGOH) and bonding to OH	Termination of cable at zone substation – distributor required performance	\$6,932.16	\$6,848.83
11kV Straight through joint	Termination of cable at zone substation – distributor required performance	\$5,382.42	\$5,299.81
11kV Zone substation circuit breaker cable termination	Termination of cable at zone substation – distributor required performance	\$4,901.69	\$4,819.30

Service	Service category	Revised proposal	Final decision
22kV Padmount/Indoor substation cable termination	Termination of cable at zone substation – distributor required performance	\$7,148.90	\$7,065.47
22kV Pole top termination (UGOH) and bonding to OH	Termination of cable at zone substation – distributor required performance	\$8,031.94	\$7,948.11
22kV Straight through joint	Termination of cable at zone substation – distributor required performance	\$5,718.07	\$5,635.30
22kV Zone substation circuit breaker cable termination	Termination of cable at zone substation – distributor required performance	\$5,166.20	\$5,083.68
Protection setting	Termination of cable at zone substation – distributor required performance	\$5,117.00	\$4,847.51
Testing cable prior to commissioning	Termination of cable at zone substation – distributor required performance	\$5,683.89	\$5,302.38
Zone substation access and supervision for installation of cable(s) for one feeder	Termination of cable at zone substation – distributor required performance	\$3,845.50	\$3,753.30
Connection Offer Service (Basic)	Connection Offer Service	\$29.93	\$29.24
Connection Offer Service (Standard)	Connection Offer Service	\$399.00	\$399.37
Disconnections or Reconnections (Meter Box)	Reconnections/Disconnections	\$125.70	\$124.70
Disconnections (Meter Load Tail)	Reconnections/Disconnections	\$366.32	\$362.59
Disconnections or Reconnections (Pole Top / Pillar Box)	Reconnections/Disconnections	\$579.91	\$573.75
Disconnections or Reconnections (Site Visit)	Reconnections/Disconnections	\$111.28	\$110.44
Disconnections or Reconnections at Pole Top / Pillar Box - Site Visit	Reconnections/Disconnections	\$271.12	\$268.47

Service	Service category	Revised proposal	Final decision
Reconnection outside Normal business hours	Reconnections/Disconnections	\$335.77	\$312.91
Rectification of illegal connections	Reconnections/Disconnections	\$731.60	\$723.73
Customer Data Request	Customer requested provision of additional metering/consumption data	\$19.95	\$19.49
No access	Distributor arranged outage for purposes of replacing meter	\$242.19	\$239.52
Other party fails to arrive	Distributor arranged outage for purposes of replacing meter	\$501.86	\$496.24
Outage Arrangements	Distributor arranged outage for purposes of replacing meter	\$718.25	\$710.18
CT Meter Removal & Disposal	Meter recovery and disposal – type 5 and 6 (legacy meters)	\$250.21	\$248.21
WC Meter Disposal	Meter recovery and disposal – type 5 and 6 (legacy meters)	\$250.21	\$248.21
Meter Test Fee - Per Request	Special meter reading and testing (legacy meters)	\$575.61	\$536.42
Meter Test Fee - Site Visit	Special meter reading and testing (legacy meters)	\$143.90	\$134.11
Move in meter reads	Special meter reading and testing (legacy meters)	\$56.20	\$55.70
Move out meter reads	Special meter reading and testing (legacy meters)	\$56.20	\$55.70
Special Meter Reads	Special meter reading and testing (legacy meters)	\$56.20	\$55.70
Special Meter Reads - Site Visit	Special meter reading and testing (legacy meters)	\$47.54	\$47.14
Type 5-7 Non Standard Meter data Services	Special meter reading and testing (legacy meters)	\$19.95	\$19.49

Service	Service category	Revised proposal	Final decision
Notification Only	Distributor arranged outage for purposes of replacing meter	\$372.02	\$367.88
Error correction due to incorrect information received from Retailers or Metering Providers (Site Visit)	Site establishment services	\$119.70	\$116.97
NMI Extinction	Site establishment services	\$29.93	\$29.24
Metering Investigation services	Emergency maintenance of failed metering equipment not owned by the distributor (contestable meters)	\$291.79	\$272.11
Reconnection of already connected site	Reconnections/Disconnections	\$102.55	\$101.16
Disconnections (Meter Load Tail) -Site Visit ONLY	Reconnections/Disconnections	\$191.87	\$178.81
Cable ID & Spike	Cable spike	\$767.47	\$715.23
Unlocking secured electrical installation - Site visit	Access permits, oversight and facilitation	\$47.54	\$47.14
Unlocking secured electrical installation - Unlock only	Access permits, oversight and facilitation	\$56.20	\$55.70

Table A.3 Fee-based ancillary network services (security lighting/nightwatch) prices for 2024–25 (\$2024–25), final decision

Service	Charging basis	Final decision
Security Lighting Short Term Monthly Charge - Minor	Per month	\$44.93
Security Lighting Short Term Monthly Charge - Small	Per month	\$61.15
Security Lighting Short Term Monthly Charge - Medium	Per month	\$76.75
Security Lighting Short Term Monthly Charge - Large	Per month	\$113.23

Service	Charging basis	Final decision
Security Lighting Short Term Monthly Charge - X Large	Per month	\$173.12
Security Lighting Long Term Monthly Charge - Minor	Per month	\$47.22
Security Lighting Long Term Monthly Charge - Small	Per month	\$63.83
Security Lighting Long Term Monthly Charge - Medium	Per month	\$79.45
Security Lighting Long Term Monthly Charge - Large	Per month	\$105.92
Security Lighting Long Term Monthly Charge - X Large	Per month	\$176.00
Security Lighting Short Term Installation Charge - Minor	Per fitting	\$912.60
Security Lighting Short Term Installation Charge - Small	Per fitting	\$1,310.85
Security Lighting Short Term Installation Charge - Medium	Per fitting	\$1,483.97
Security Lighting Short Term Installation Charge - Large	Per fitting	\$1,506.80
Security Lighting Short Term Installation Charge - X Large	Per fitting	\$1,382.92
Security Lighting Long Term Installation Charge - Minor	Per fitting	\$329.35
Security Lighting Long Term Installation Charge - Small	Per fitting	\$329.35
Security Lighting Long Term Installation Charge - Medium	Per fitting	\$329.35
Security Lighting Long Term Installation Charge - Large	Per fitting	\$329.35
Security Lighting Long Term Installation Charge - X Large	Per fitting	\$329.35

Table A.4 Quoted service hourly labour rates (business hours) for 2024–25, final decision (\$2024–25)

	Revised proposal (business hours)	Final decision (business hours)	Revised proposal (after hours)	Final decision (after hours)
Admin Support	\$119.70	\$116.97	\$209.48	\$204.69
Technical Specialist R2	\$191.87	\$178.81	\$335.77	\$312.91
EO 7/Engineer	\$266.00	\$266.25	\$465.50	\$465.93
Field Worker R4	\$173.11	\$172.56	\$302.94	\$301.98
Senior Engineer	\$319.20	\$241.99	\$558.60	\$423.48
Engineering Manager	\$346.23	\$322.66	\$605.90	\$564.66
Field Worker R4 (Outdoor)	\$196.98	\$196.41	\$344.72	\$343.72
Technical Specialist R2 (Outdoor)	\$215.73	\$202.67	\$377.53	\$354.67

Table A.5 Non-exhaustive list of ancillary network services provided on a quotation basis

Description of service	Description of service
Customer Interface co-ordination for contestable works	Design Re-certification - Connection of Load - Non Urban
Administration - Connection of Load - Industrial & Commercial	Design Re-certification - Connection of Load - URD
Administration - Connection of Load - Non Urban - Underground	Design Re-certification - Public Lighting - Designer
Administration - Connection of Load - URD	Design Re-certification - Public Lighting - Engineer
Administration - Other - Asset Relocation	Design Re-certification - Subdivision - Industrial & Commercial
Administration - Other - Public Lighting	Design Re-certification - Subdivision - Non Urban

Description of service	Description of service
Administration - Subdivision - Industrial & Commercial	Design Re-certification - Subdivision - URD
Customer initiated Asset Relocations - network safety	Inspection of Service Work (Level 1) - Asset Relocation - Asset Relocation - Underground - (Engineer) + travel time
Design Certification - Asset Relocation - Designer	Inspection of Service Work (Level 1) - Asset Relocation - Asset Relocation - Underground - (Inspector) + travel time
Design Certification - Asset Relocation - Engineer	Inspection of Service Work (Level 1) - Connection of Load - Industrial & Commercial - Underground - (Engineer) + travel time
Design Certification - Connection of Load - Industrial & Commercial - <= 200A/Phase (LV)	Inspection of Service Work (Level 1) - Connection of Load - Industrial & Commercial - Underground - (Inspector) + travel time
Design Certification - Connection of Load - Industrial & Commercial - <= 700A/Phase (LV)	Inspection of Service Work (Level 1) - Connection of Load - Non Urban - Underground - (Engineer) + travel time
Design Certification - Connection of Load - Industrial & Commercial - > 700A/Phase (LV)	Inspection of Service Work (Level 1) - Connection of Load - Non Urban - Underground - (Inspector) + travel time
Design Certification - Connection of Load - Industrial & Commercial - HV Customer	Inspection of Service Work (Level 1) - Connection of Load - URD - Underground - (Engineer) + travel time
Design Certification - Connection of Load - Industrial & Commercial - Transmission	Inspection of Service Work (Level 1) - Connection of Load - URD - Underground - (Inspector) + travel time
Design Certification - Connection of Load - Multi-Dwelling - <= 20 units	Inspection of Service Work (Level 1) - Public Lighting - Public Lighting - Underground - (Engineer) + travel time
Design Certification - Connection of Load - Multi-Dwelling - <= 40 units	Inspection of Service Work (Level 1) - Public Lighting - Public Lighting - Underground - (Inspector) + travel time
Design Certification - Connection of Load - Multi-Dwelling - <= 5 units	Inspection of Service Work (Level 1) - Subdivision - URD - Underground + travel time

Description of service	Description of service
Design Certification - Connection of Load - Multi-Dwelling - > 40 units	Inspection of works outside normal working hours
Design Certification - Connection of Load - Non Urban - Underground	Investigation, review & implementation of remedial actions associated with ASP's connection work.
Design Certification - Public Lighting - Designer	Private inspection of privately owned low voltage or high voltage network infrastructure (i.e. privately owned distribution infrastructure before the meter).
Design Certification - Public Lighting - Engineer	Reinspection Fee (Level 1 & Level 2 work)
Design Information - Asset Relocation - Designer	Services involved in obtaining deeds of agreement in relation to property rights associated with contestable connections work
Design Information - Asset Relocation - Engineer	Fitting of tiger tails (Labour)
Design Information - Connection of Load - Industrial & Commercial - <= 200A/Phase (LV)	Fitting of tiger tails (Material) - Weekly Hire
Design Information - Connection of Load - Industrial & Commercial - <= 700A/Phase (LV)	High load escorts
Design Information - Connection of Load - Industrial & Commercial - > 700A/Phase (LV)	High load escorts - Preliminary study
Design Information - Connection of Load - Industrial & Commercial - HV Customer	Provision of service crew / additional crew
Design Information - Connection of Load - Industrial & Commercial - Transmission	Compliance Certificate - Connection of Load - Industrial & Commercial - Per hour for early cert
Design Information - Connection of Load - Multi-Dwelling - <= 20 units	Compliance Certificate - Connection of Load - Non Urban - Per hour for early cert
Design Information - Connection of Load - Multi-Dwelling - <= 40 units	Compliance Certificate - Connection of Load - URD - Per hour for early cert

Description of service	Description of service
Design Information - Connection of Load - Multi-Dwelling - <= 5 units	Notification of Arrangement - Subdivision - Industrial & Commercial - Per hour for early notification
Design Information - Connection of Load - Multi-Dwelling - > 40 units	Notification of Arrangement - Subdivision - Non Urban - Per hour for early notification
Design Information - Connection of Load - Non Urban - I&C - <= 200A/Phase (LV)	Notification of Arrangement - Subdivision - URD - Per hour for early notification
Design Information - Connection of Load - Non Urban - I&C - <= 700A/Phase (LV)	Planned interruption - customer requested
Design Information - Connection of Load - Non Urban - I&C - > 700A/Phase (LV)	Training services to ASPs
Design Information - Connection of Load - Non Urban - I&C - HV Customer	Services provided in relation to a Retailer of Last Resort (ROLR) event
Design Information - Connection of Load - Non Urban - I&C - Transmission	Carrying out planning studies and analysis relating to distribution (including subtransmission and dual function assets) connection applications - COMPLEX JOBS
Design Information - Connection of Load - Non Urban - Multi-Dwelling - <= 20 units	Carrying out planning studies and analysis relating to distribution (including subtransmission and dual function assets) connection applications - SIMPLE JOBS
Design Information - Connection of Load - Non Urban - Multi-Dwelling - <= 40 units	Preliminary Enquiry Service - COMPLEX JOBS
Design Information - Connection of Load - Non Urban - Multi-Dwelling - <= 5 units	Preliminary Enquiry Service - SIMPLE JOBS
Design Information - Connection of Load - Non Urban - Multi-Dwelling - > 40 units	Augmentations - Design and build costs (of shared network) beyond distributor standards
Design Information - Connection of Load - Non Urban - Single Residential	Premise connection assets - Part design and build costs beyond distributor standards

Description of service	Description of service
Design Information - Public Lighting - Designer	Emergency meter maintenance - In hours
Design Information - Public Lighting - Engineer	Emergency meter maintenance - After hours
Design Information - Subdivision - Industrial & Commercial	Security Escort
Design Information - Subdivision - Non Urban	Pole Holds
Design Re-certification - Asset Relocation - Designer	Customer Data Request - Other
Design Re-certification - Asset Relocation - Engineer	Unlocking secured electrical installation - Unlock and relock
Design Re-certification - Connection of Load - Industrial & Commercial	

B Public lighting prices

Table B.1 Vertical support

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
Minor Column (<=9)	\$22.60	\$18.37	\$22.67	\$18.39
Major Column (>=9)	\$102.27	\$29.71	\$102.92	\$29.72
Pole (Wood) - Minor - DEDICATED SL <=11m	\$171.88	\$22.54	\$175.39	\$22.55
Pole (Wood) - Major - DEDICATED SL >11m	\$259.29	\$32.66	\$264.66	\$32.67
Column (Steel) - Minor <=9m	\$180.38	\$18.37	\$184.19	\$18.39
Column (Steel) - Major >9m	\$276.38	\$23.76	\$282.35	\$23.77
Pole (Wood) - Minor <=11m	\$0.00	\$0.00	\$0.00	\$0.00
Pole (Wood) - Major >11m	\$0.00	\$0.00	\$0.00	\$0.00

Table B.2 Horizontal support

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
Pole mounting bracket minor (<=3m)	\$9.66	\$9.66	\$9.67	\$9.67
Pole mounting bracket major (>3m)	\$12.88	\$12.88	\$12.89	\$12.89
Outreach Minor (<=2m)	\$12.25	\$12.25	\$12.26	\$12.26

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
Outreach Major (>2m)	\$13.78	\$13.78	\$13.79	\$13.79
Bracket - Minor <=3m	\$21.57	\$9.66	\$21.85	\$9.67
Bracket - Major >3m	\$67.56	\$12.88	\$68.86	\$12.89
Outreach - Minor <=2m	\$25.88	\$12.25	\$26.21	\$12.26
Outreach - Major >2m	\$43.43	\$13.78	\$44.15	\$13.79

Table B.3 Traditional luminaire type

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
1 x 20 W Fluorescent	\$49.75	\$49.75	\$49.77	\$49.77
2 x 20 W Fluorescent	\$49.75		\$49.77	
2 x 14 W Fluorescent	\$49.18	\$49.18	\$49.21	\$49.21
2 x 24 W Fluorescent	\$49.18	\$49.18	\$49.21	\$49.21
1 x 40 W Fluorescent	\$49.75	\$49.75	\$49.77	\$49.77
2 x 40 W Fluorescent	\$51.35	\$51.35	\$51.38	\$51.38
1 x 42 W Fluorescent	\$49.75	\$49.75	\$49.77	\$49.77
50W Mercury	\$50.16	\$50.16	\$50.19	\$50.19

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
80W Mercury	\$49.34	\$49.34	\$49.36	\$49.36
125W Mercury	\$52.18	\$52.18	\$52.20	\$52.20
250W Mercury	\$52.18	\$52.18	\$52.20	\$52.20
2 x 250W Mercury	\$67.84		\$67.87	
400 W Mercury	\$52.18	\$52.18	\$52.20	\$52.20
50W Sodium	\$52.06	\$52.06	\$52.08	\$52.08
70W Sodium	\$50.87	\$50.87	\$50.90	\$50.90
90W Sodium	\$52.06		\$52.08	
100W Sodium	\$52.06	\$52.06	\$52.08	\$52.08
120W Sodium	\$50.82		\$50.84	
150W Sodium	\$50.82	\$50.82	\$50.84	\$50.84
250W Sodium	\$53.64	\$53.64	\$53.67	\$53.67
2 x 250W Sodium	\$59.15	\$59.15	\$59.17	\$59.17
310W Sodium	\$51.48		\$51.50	
400 W Sodium	\$51.48	\$51.48	\$51.50	\$51.50
2 x 400 W Sodium	\$54.81	\$54.81	\$54.83	\$54.83
4 x 600W Sodium	\$65.78		\$65.80	

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
100 W Metal Halide	\$57.97	\$57.97	\$57.99	\$57.99
150 W Metal Halide	\$54.87	\$54.87	\$54.90	\$54.90
250 W Metal Halide	\$54.07	\$54.07	\$54.09	\$54.09
2 x 250 W Metal Halide	\$90.00	\$60.00	\$90.03	\$60.02
400 W Metal Halide	\$53.65	\$53.65	\$53.67	\$53.67
2 x 400 W Metal Halide	\$112.40	\$59.16	\$112.44	\$59.18
1000 W Metal Halide	\$65.78		\$65.80	
2x14W Energy Efficient Fluro - STD	\$88.55	\$49.18	\$89.16	\$49.21
2x24W Energy Efficient Fluro - STD	\$91.76	\$49.18	\$92.42	\$49.21
1x42W Compact Fluorescent - STD	\$83.88	\$49.75	\$84.41	\$49.77
50W Mercury - STANDARD	\$79.92	\$50.16	\$80.39	\$50.19
80W Mercury - STANDARD	\$82.54	\$49.34	\$83.06	\$49.36
70W Sodium - STANDARD	\$84.44	\$50.87	\$84.96	\$50.90
100W Sodium - STANDARD	\$92.99	\$52.06	\$93.62	\$52.08
100W Metal Halide - STANDARD	\$100.64	\$57.97	\$101.30	\$57.99
Suburban 70W HPS c/w D2 PECB - STD	\$84.44	\$50.87	\$84.96	\$50.90
150W Sodium - STANDARD	\$99.81	\$57.95	\$100.47	\$57.98

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
150W Metal Halide - STANDARD	\$105.06	\$62.01	\$105.73	\$62.03
250W Sodium - STANDARD	\$104.94	\$60.78	\$105.62	\$60.80
250W Metal Halide - STANDARD	\$105.49	\$61.20	\$106.18	\$61.23
400W Sodium - STANDARD	\$109.87	\$58.61	\$110.66	\$58.64
80W Mercury - AEROSCREEN	\$90.80	\$57.60	\$91.32	\$57.62
Urban A/Screen 42W CFL c/w D2 PCB	\$92.88	\$49.75	\$93.54	\$49.77
150W Sodium - AEROSCREEN	\$104.07	\$57.95	\$104.79	\$57.98
150W Metal Halide - AEROSCREEN	\$109.32	\$62.01	\$110.05	\$62.03
250W Sodium (w/o PCB) - AEROSCREEN	\$106.75	\$60.78	\$107.47	\$60.80
250W Metal Halide - AEROSCREEN	\$107.31	\$61.20	\$108.02	\$61.23
400W Sodium - AEROSCREEN	\$108.70	\$58.61	\$109.47	\$58.64
400W Metal Halide - AEROSCREEN	\$111.51	\$60.78	\$112.29	\$60.81
Roadster A/Screen 100W HPS c/w PCB	\$102.52	\$59.19	\$103.20	\$59.22
80W Mercury - POST TOP	\$109.34	\$49.34	\$110.26	\$49.36
B2001 42WCFL c/w D2 PCB green - PT	\$115.02	\$49.75	\$116.01	\$49.77
250W Sodium - FLOODLIGHT	\$117.83	\$53.64	\$118.81	\$53.67
250W Metal Halide - FLOODLIGHT	\$118.39	\$54.07	\$119.37	\$54.09

	Revised proposal NEW TC1 & TC3 (Capex + Opex)	Revised proposal NEW TC2 & TC4 (Opex)	Final decision NEW TC1 & TC3 (Capex + Opex)	Final decision NEW TC2 & TC4 (Opex)
400W Sodium - FLOODLIGHT	\$117.41	\$51.48	\$118.42	\$51.50
400W Metal Halide - FLOODLIGHT	\$120.23	\$53.65	\$121.24	\$53.67
150W Sodium - FLOODLIGHT	\$113.66	\$50.82	\$114.62	\$50.84
150W Metal Halide - FLOODLIGHT	\$118.90	\$54.87	\$119.88	\$54.90

Table B.4 LED luminaire type

	Revised proposal NEW TC3 (Capex + Opex)	Revised proposal NEW TC4 (Opex)	Final decision NEW TC3 (Capex + Opex)	Final decision NEW TC4 (Opex)
17W LED Cat P Luminaire	\$66.65	\$34.67	\$67.14	\$34.68
18W LED P4 Gerard	\$72.05	\$34.67	\$72.62	\$34.68
25W LED P4 Gerard	\$72.05	\$34.67	\$72.62	\$34.68
25W LED	\$72.05	\$34.67	\$72.62	\$34.68
33W LED	\$72.29	\$34.67	\$72.86	\$34.68
42W LED P3 Gerard	\$80.28	\$39.24	\$80.91	\$39.26
82W LED Gerard V5 Cat Luminaire	\$105.74	\$39.24	\$106.74	\$39.26
100W LED Gerard V4 Cat Luminaire	\$105.74	\$39.24	\$106.74	\$39.26
198W LED Gerard V2/V3 Cat Luminaire	\$117.43	\$39.24	\$118.61	\$39.26

	Revised proposal NEW TC3 (Capex + Opex)	Revised proposal NEW TC4 (Opex)	Final decision NEW TC3 (Capex + Opex)	Final decision NEW TC4 (Opex)
33W LED P3 Gerard	\$75.71	\$34.67	\$76.33	\$34.68
60W LED RoadLED Midi Optic Tuner	\$95.84	\$39.24	\$96.70	\$39.26
80W LED RoadLED Midi Optic Tuner	\$102.87	\$39.24	\$103.83	\$39.26
70W LED RoadLED Midi	\$87.91	\$39.24	\$88.65	\$39.26
80W LED RoadLED Midi	\$88.54	\$39.24	\$89.29	\$39.26
165W LED RoadLED Midi	\$91.07	\$39.24	\$91.86	\$39.26
17W LED B2001 NUWE Post Top	\$101.78	\$34.67	\$102.79	\$34.68
75W LED Aglo Nilum Plus FLOODLIGHT	\$89.69	\$34.67	\$90.52	\$34.68
100W LED Aglo Nilum Plus FLOODLIGHT	\$91.93	\$34.67	\$92.79	\$34.68
150W LED Aglo Nilum Plus FLOODLIGHT	\$98.80	\$34.67	\$99.77	\$34.68
300W LED Aglo Nilum Plus FLOODLIGHT	\$126.82	\$34.67	\$128.21	\$34.68
33W LED P4 Pecan	\$72.29	\$34.67	\$72.86	\$34.68
13W LED STREETLED3 STD Visor S-S	\$66.04	\$34.67	\$66.52	\$34.68
24W LED STREETLED3 STD Visor S-S	\$68.88	\$34.67	\$69.40	\$34.68
18W LED Bourke Hill S-S	\$111.53	\$34.67	\$112.69	\$34.68
24W LED Bourke Hill S-S	\$113.56	\$34.67	\$114.75	\$34.68
30W LED ATS PLED MKII	\$70.91	\$34.67	\$71.46	\$34.68

	Revised proposal NEW TC3 (Capex + Opex)	Revised proposal NEW TC4 (Opex)	Final decision NEW TC3 (Capex + Opex)	Final decision NEW TC4 (Opex)
20W LED ATS PLED MKII	\$65.65	\$34.67	\$66.12	\$34.68
13W LED ATS PLED MKII	\$64.41	\$34.67	\$64.86	\$34.68
37W LED 4K ROADLED MIDI STD Visor S-S	\$90.31	\$39.24	\$91.09	\$39.26
40W LED 3K ROADLED MIDI STD Visor S-S	\$90.31	\$39.24	\$91.09	\$39.26
55W LED 4K ROADLED MIDI STD Visor S-S	\$90.95	\$39.24	\$91.74	\$39.26
61W LED 3K ROADLED MIDI STD Visor S-S	\$90.95	\$39.24	\$91.74	\$39.26
113W LED ROADLED MIDI STD Visor S-S	\$93.47	\$39.24	\$94.30	\$39.26
275W LED ROADLED S-S	\$122.57	\$39.24	\$123.83	\$39.26
230W LED Avento S-S	\$95.09	\$39.24	\$95.94	\$39.26
74W LED ATS VLED	\$81.14	\$39.24	\$81.78	\$39.26
155W LED ATS VLED	\$86.83	\$39.24	\$87.56	\$39.26
254W LED 3K ROADLED MIDI STD Visor S-S	\$122.57	\$39.24	\$123.83	\$39.26
290W LED ATS VLED	\$102.83	\$39.24	\$103.80	\$39.26
120W LED 4K ROADLED MIDI Aeroscreen S-S	\$93.47	\$39.24	\$94.30	\$39.26
121W LED 3K ROADLED MIDI Aeroscreen S-S	\$93.47	\$39.24	\$94.30	\$39.26
205W LED 3K ROADLED MIDI Aeroscreen S-S	\$122.57	\$39.24	\$123.83	\$39.26
9W LED STREETLED Aeroscreen S-S	\$66.04	\$34.67	\$66.52	\$34.68

	Revised proposal NEW TC3 (Capex + Opex)	Revised proposal NEW TC4 (Opex)	Final decision NEW TC3 (Capex + Opex)	Final decision NEW TC4 (Opex)
17W LED STREETLED3 Aeroscreen S-S	\$66.45	\$34.67	\$66.93	\$34.68
36W LED 4K ROADLED MIDI Aeroscreen S-S	\$87.91	\$39.24	\$88.65	\$39.26
39W LED 3K ROADLED MIDI Aeroscreen S-S	\$87.91	\$39.24	\$88.65	\$39.26
57W LED 4K ROADLED MIDI Aeroscreen S-S	\$88.54	\$39.24	\$89.29	\$39.26
63W LED 3K ROADLED MIDI Aerosreen S-S	\$88.54	\$39.24	\$89.29	\$39.26
17W LED Post Top B2001 S-S	\$100.13	\$34.67	\$101.11	\$34.68
28W LED Post Top B2001 S-S	\$102.97	\$34.67	\$104.00	\$34.68
150W LED SLED Maximus Pedestrian	\$107.52	\$34.67	\$108.62	\$34.68
175W LED SLED Maximus Pedestrian	\$117.63	\$34.67	\$118.87	\$34.68

Shortened forms

Term	Definition
AEMC	Australian Energy Market Commission
AER	Australian Energy Regulator
capex	capital expenditure
CCP26	Consumer Challenge Panel, sub-panel 26
CPI	consumer price index
F&A	framework and approach
LED	light-emitting diode
NEM	national electricity market
NER	national electricity rules
NMI	national meter identifier
opex	operating expenditure
PE cell	photoelectric cell
RBA	Reserve Bank of Australia
RIN	regulatory information notice
WACC	weighted average cost of capital
