



**FINAL DECISION**  
**Endeavour Energy**  
**Distribution Determination**

**2019 to 2024**

**Attachment 15**  
**Alternative control services**

April 2019

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## Note

This attachment forms part of the AER's final decision on the distribution determination that will apply to Endeavour Energy for the 2019–2024 regulatory control 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 attachments have been numbered consistently with the equivalent attachments to our longer draft decision. In these circumstances, our draft decision reasons form part of this final decision.

The final decision includes the following attachments:

Overview

Attachment 1 – Annual revenue requirement

Attachment 2 – Regulatory asset base

Attachment 4 – Regulatory depreciation

Attachment 5 – Capital expenditure

Attachment 6 – Operating expenditure

Attachment 7 – Corporate income tax

Attachment 9 – Capital expenditure sharing scheme

Attachment 10 – Service target performance incentive scheme

Attachment 12 – Classification of services

Attachment 13 – Control mechanisms

Attachment 15 – Alternative control services

Attachment 18 – Tariff structure statement

Attachment A – Negotiating framework

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## Shortened forms

Shortened form	Extended form
ACS	alternative control services
AEMC	Australian Energy Market Commission
AEMO	Australian Energy Market Operator
AER	Australian Energy Regulator
Augex	augmentation expenditure
Capex	capital expenditure
CCP10	Consumer Challenge Panel, sub-panel 10
CESS	capital expenditure sharing scheme
CPI	consumer price index
DRP	debt risk premium
DMIAM	demand management innovation allowance (mechanism)
DMIS	demand management incentive scheme
Distributor	distribution network service provider
DUoS	distribution use of system
EBSS	efficiency benefit sharing scheme
ERP	equity risk premium
Expenditure Assessment Guideline	Expenditure Forecast Assessment Guideline for Electricity Distribution
F&A	framework and approach
MRP	market risk premium
NEL	National Electricity Law
NEM	national electricity market
NEO	national electricity objective
NER	National Electricity Rules
NSP	network service provider
Opex	operating expenditure

Shortened form	Extended form
PPI	partial performance indicators
PTRM	post-tax revenue model
RAB	regulatory asset base
RBA	Reserve Bank of Australia
Repex	replacement expenditure
RFM	roll forward model
RIN	regulatory information notice
RPP	revenue and pricing principles
SAIDI	system average interruption duration index
SAIFI	system average interruption frequency index
SCS	standard control services
SLCAPM	Sharpe-Lintner capital asset pricing model
STPIS	service target performance incentive scheme
WACC	weighted average cost of capital
LED	Light Emitting Diode

## 15 Alternative control services

This attachment sets out our final decision on the prices Endeavour Energy (Endeavour) is allowed to charge customers for alternative control services (ancillary network services, metering and public lighting).

Alternative control services are customer specific or customer requested services and 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.

### 15.1 Final decision

Endeavour accepted our draft decision on ancillary network services and metering.<sup>1</sup> Therefore, our final decision only updates the inputs in the relevant models. The final decision prices and rates for ancillary network services and metering services are listed in Appendix A and Appendix C, respectively.

We accept Endeavour's revised proposal for public lighting which has revised the standard life for LEDs to 16 years.

The detail of our final decision is set out in the following sections:

- 15.4 – Ancillary network services
- 15.5 – Public lighting
- 15.6 – Metering services.

### 15.2 Endeavour Energy's revised proposal

Endeavour's revised proposal for ancillary network services accepted our draft decision and therefore, only made minor adjustments to their models for the final rate of return instrument.<sup>2</sup> Endeavour accepted our draft decision on metering, including our adjusted operating expenditure.<sup>3</sup>

Endeavour rejected our draft decision on LED standard asset life of 20 years. They have estimated a revised LED standard asset life of 16 years to account for the limited supplier confidence in a 20-year life.<sup>4</sup>

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<sup>1</sup> Endeavour Energy, *Revised regulatory proposal 1 July 2019 – 30 June 2024*, January 2019, p. 6.

<sup>2</sup> Endeavour Energy, *Revised regulatory proposal 1 July 2019 – 30 June 2024*, January 2019, p. 30.

<sup>3</sup> Endeavour Energy, *Revised Regulatory Proposal 2019-24*, January 2019, p. 30.

<sup>4</sup> Endeavour Energy, *Revised regulatory proposal 1 July 2019 – 30 June 2024*, January 2019, p. 29.

## 15.3 Assessment approach

Our final decision assessment approach is the same as for our draft decision. In terms of labour rates, in our draft decision we indicated that while our consultant, Marsden Jacob, had provided maximum reasonable labour rates, we considered them efficient for our purposes.<sup>5</sup> We maintain this view for our final decision.

In reaching our final decision, we considered additional information submitted by Endeavour in their revised proposal.

## 15.4 Ancillary network services

Ancillary network services share the common characteristic of being non-routine services provided to individual customers as requested. Ancillary network services are either grouped as 'fee based' or 'quoted' services, depending on how the service price is determined.

We determine fee based service prices for the next regulatory control 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. By comparison, prices for quoted services are based on quantities of labour and materials, 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.

### 15.4.1 Ancillary network services—Final decision

Endeavour accepted our draft decision in full and only updated their pricing model for the final rate of return instrument.<sup>6</sup> Therefore, our final decision is to accept Endeavour's revised prices, which have negligible differences to our draft decision. Our final decision on fee-based prices is at Appendix A. For completeness, we have also republished our draft decision quoted labour rates and security lighting prices.

Our final decision X-factors for ancillary network services are also provided in Appendix A. They have changed marginally from our draft decision based on our revised labour escalation forecasts.

#### **New ancillary network services**

Consistent with our draft decision, if new services during the 2019–24 regulatory control period with characteristics that are the same or essentially the same as other

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<sup>5</sup> AER, *Draft Decision: Ausgrid distribution determination 2019 to 2024 - Attachment 15 - Alternative Control Services*, November 2018, p.15-14.

<sup>6</sup> Endeavour Energy, *Revised regulatory proposal 1 July 2019 – 30 June 2024*, January 2019, p. 30.



alternative control services,<sup>7</sup> we consider that they should be priced as a quoted service until the next regulatory period. Any new ancillary network service and pricing methodology should be disclosed through each distributor's annual pricing process.

## 15.5 Public lighting

Our final decision is to approve Endeavour's revised proposal, including a 16-year asset life assumption for LEDs.

There were no stakeholder submissions on the revised proposal to take into account.

### 15.5.1 Public Lighting—Final decision

Endeavour initially proposed an LED life of 12 years. Endeavour rejected our draft decision of a 20-year asset life for LEDs, and proposed a 16-year life.

We accept Endeavour's position that there is still uncertainty around the life of LED technology, and that it is difficult to estimate the standard life of LED assets given they have not been in service long enough for historical data to provide a reliable estimation basis.<sup>8</sup>

We accept that an LED life of 16 years is appropriate to ensure Endeavour recovers its efficient costs. We will revisit the asset life assumption of LEDs at the 2024–29 determination, when additional historical failure rate data is available to provide a reliable estimation basis.

We note that Endeavour has limited LED offerings in its proposed price list compared to other distributors. LED technology provides significant benefits to customers in terms of energy savings, efficient life cycle, better reliability and lower maintenance costs. Other distributors are actively engaging with customers to collaboratively develop plans to deploy large scale LED programs. While Endeavour's initial proposal mentioned differential pricing offers to councils for LED technology, we consider Endeavour needs to conduct more targeted discussions with councils around LED deployment.

Our final decision model simply updates the model with a 16-year LED life assumption. Updated public lighting prices for 2019–20 are set out in Appendix B. For the subsequent years, the X factor is set at zero and the prices increase by CPI following the control mechanism formula.

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<sup>7</sup> Service classification is set out in attachment 12 of our final decision. We generally classify services in groupings rather than individually. This obviates the need to classify services one-by-one and instead defines a service cluster, such that where a service is similar in nature it would require the same regulatory treatment. This provides distributors with flexibility to alter the exact specification (but not the nature) of a service during a regulatory control period.

<sup>8</sup> Endeavour Energy, *Revised regulatory proposal 1 July 2019 – 30 June 2024*, January 2019, p. 29.

## 15.6 Metering services

Metering assets are used to measure electrical energy flows at a point in the network to record consumption data for billing purposes. We are responsible for the economic regulation of type 5 to 7 metering services provided by Endeavour. Endeavour's type 5 and 6 metering services are classified as alternative control services, while type 7 metering services are classified as standard control services.<sup>9</sup>

Since the introduction of the Power of Choice reforms on 1 December 2017, Endeavour is no longer permitted to install or replace type 5 and 6 meters. Therefore, our final decision settles the prices for type 5 and 6 metering services Endeavour provides to support the continued operation of existing type 5 and 6 meters.

### 15.6.1 Metering—Final decision

Endeavour accepted our draft decision,<sup>10</sup> including our:

- reduction of Endeavour's proposed metering opex by \$4.3 million.
- use of Ausgrid's productivity factor to estimate the diseconomies of scale opex impacts.

Therefore, our final decision only updates the inputs in Endeavour's metering model to reflect actual metering expenditure in 2017–18, our final decision weighted average cost of capital, and the most recent CPI escalation.

The final decision metering prices, effective for the first year of the 2019–24 regulatory period, resulting from these input updates, are set out in Appendix C.

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<sup>9</sup> AER, *Endeavour Energy 2019-24 – Draft decision – Attachment 12 – Service classification*, November 2018, p. 7.

<sup>10</sup> Endeavour Energy, *Endeavour Energy Revised Regulatory Proposal 2019-24*, January 2019, p. 30.

## A Ancillary network services prices

**Table 15.1 Fee-based ancillary network service prices for 2019–20, AER final decision (\$2019–20)**

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Access permits, oversight and facilitation	Access Permits	All Other - Asset Relocation - Per access authorisation (AA) or authority to work (ATW)	Fee	\$2,338.97
Ancillary Services	Access permits, oversight and facilitation	Access Permits	All Other - Industrial & Commercial - Per access authorisation (AA) or authority to work (ATW)	Fee	\$2,338.97
Ancillary Services	Access permits, oversight and facilitation	Access Permits	All Other - Non Urban - Per access authorisation (AA) or authority to work (ATW)	Fee	\$2,338.97
Ancillary Services	Access permits, oversight and facilitation	Access Permits	All Other - Public Lighting - Per access authorisation (AA) or authority to work (ATW)	Fee	\$2,338.97
Ancillary Services	Access permits, oversight and facilitation	Access Permits	All Other - URD - Per access authorisation (AA) or authority to work (ATW)	Fee	\$2,338.97
Ancillary Services	Access permits, oversight and facilitation	Access Permits	Subdivision - URD - Per Lot	Fee	\$54.02
Ancillary Services	Access permits, oversight and facilitation	Clearance to Work	Clearance to Work	Fee	\$2,309.01
Ancillary Services	Access permits, oversight and facilitation	Customer Interface co-ordination	Customer Interface co-ordination for contestable works	Quote	\$196.39
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Break & remake HV bonds - Each additional set	Fee	\$1,880.06
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Break & remake HV bonds - One set	Fee	\$3,380.09
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Break & remake LV bonds - Each additional set	Fee	\$992.60
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Break & remake LV bonds - One set	Fee	\$2,095.78
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Connect & disconnect generator to a padmount / indoor substation - Each additional gen	Fee	\$908.49
Ancillary	Access permits, oversight and	Access permits, oversight and	Connect & disconnect generator to a padmount / indoor substation - One	Fee	\$2,011.66

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Services	facilitation	facilitation	generator		
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Connect & disconnect generator to LV OH mains - Each additional generator	Fee	\$908.49
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Connect & disconnect generator to LV OH mains - One generator	Fee	\$2,011.66
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Install & remove HV live line links - Each additional set	Fee	\$2,805.47
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Install & remove HV live line links - One set	Fee	\$4,368.58
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Install & remove LV live line links - Each additional set	Fee	\$963.64
Ancillary Services	Access permits, oversight and facilitation	Access permits, oversight and facilitation	Install & remove LV live line links - One set	Fee	\$2,066.81
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Normal Time - 1 x Visit - Open / Close - 1 hour - Per Job	Fee	\$151.41
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Normal Time - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Fee	\$308.52
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Normal Time - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Fee	\$302.83
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Normal Time - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Fee	\$617.05
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Overtime - 1 x Visit - Open / Close - 1 hour - Per Job	Fee	\$264.98
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Overtime - 1 x Visit - Open / Isolate & CSO to close - 1 hour - Per Job	Fee	\$539.92
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Overtime - 2 x Visit - Open / Close & no isolation - 2 hours - Per Job	Fee	\$529.95
Ancillary Services	Access permits, oversight and facilitation	Provision of Access Fee (Standby)	Overtime - 2 x Visit - Open / Isolate / Close - 2 hours - Per Job	Fee	\$1,079.83
Ancillary Services	Authorisation of ASPs	Authorisation	Authorisation - New	Fee	\$448.50
Ancillary	Authorisation of	Authorisation	Authorisation - Renewal	Fee	\$403.08

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Services	ASPs				
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - Industrial & Commercial - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - Non Urban - Overhead - 11+ poles	Fee	\$831.18
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - Non Urban - Overhead - 1-5 poles	Fee	\$415.59
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - Non Urban - Overhead - 6-10 poles	Fee	\$623.39
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - Non Urban - Underground - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Connection of Load - URD - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Other - Asset Relocation - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Other - Public Lighting - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Industrial & Commercial - Per Hour	Quote	\$103.90
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Overhead - 11+ poles	Fee	\$935.08
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Overhead - 1-5 poles	Fee	\$415.59
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Overhead - 6-10 poles	Fee	\$519.49
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Underground - 11-40 lots	Fee	\$519.49
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Underground - 1-5 lots	Fee	\$311.69
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Underground - 41+ lots	Fee	\$623.39

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Connection application related services	Administration Fee	Subdivision - Non Urban - Underground - 6-10 lots	Fee	\$415.59
Ancillary Services	Connection application related services	Administration Fee	Subdivision - URD - Underground - 11-40 lots	Fee	\$727.28
Ancillary Services	Connection application related services	Administration Fee	Subdivision - URD - Underground - 1-5 lots	Fee	\$415.59
Ancillary Services	Connection application related services	Administration Fee	Subdivision - URD - Underground - 41+ lots	Fee	\$831.18
Ancillary Services	Connection application related services	Administration Fee	Subdivision - URD - Underground - 6-10 lots	Fee	\$519.49
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	All Other - Asset Relocation - Per Substation	Fee	\$1,911.90
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	All Other - Industrial & Commercial - Per Substation	Fee	\$1,911.90
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	All Other - Non Urban - Per Substation	Fee	\$1,911.90
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	All Other - Public Lighting - Per Substation	Fee	\$1,911.90
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	All Other - URD - Per Substation	Fee	\$1,911.90
Ancillary Services	Contestable network commissioning and decommissioning	Substation Commission Fee	Subdivision - URD - Per Lot	Fee	\$65.93
Ancillary Services	Customer initiated asset relocations	Customer initiated Asset Relocations - network safety	Customer initiated Asset Relocations - network safety	Quote	\$155.34
Ancillary Services	Design related services	Design Certification Fee	Asset Relocation - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Asset Relocation - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Indoor Substation - Per Hour	Fee	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Industrial & Commercial - <= 200A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Industrial & Commercial - <= 700A/Phase (LV)	Quote	\$157.11

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Industrial & Commercial - > 700A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Industrial & Commercial - HV Customer	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Industrial & Commercial - Transmission	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Multi-Dwelling - <= 20 units	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Multi-Dwelling - <= 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Multi-Dwelling - <= 5 units	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Multi-Dwelling - > 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Non Urban - Overhead - 11+ poles	Fee	\$785.55
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Non Urban - Overhead - 1-5 poles	Fee	\$314.22
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Non Urban - Overhead - 6-10 poles	Fee	\$471.33
Ancillary Services	Design related services	Design Certification Fee	Connection of Load - Non Urban - Underground - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Public Lighting - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Public Lighting - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Overhead - 11+ poles	Fee	\$785.55
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Overhead - 1-5 poles	Fee	\$314.22
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Overhead - 6-10 poles	Fee	\$471.33
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Underground - 1-10 lots	Fee	\$471.33
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Underground - 11-40 lots	Fee	\$628.44
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Industrial & Commercial - Underground - 41 + lots	Fee	\$942.66
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Overhead - 11+ poles	Fee	\$785.55
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Overhead - 1-5 poles	Fee	\$314.22

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Overhead - 6-10 poles	Fee	\$471.33
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Underground - 11-40 lots	Fee	\$628.44
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Underground - 1-5 lots	Fee	\$157.11
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Underground - 41+ lots	Fee	\$628.44
Ancillary Services	Design related services	Design Certification Fee	Subdivision - Non Urban - Underground - 6-10 lots	Fee	\$471.33
Ancillary Services	Design related services	Design Certification Fee	Subdivision - URD - Underground - 11-40 lots	Fee	\$785.55
Ancillary Services	Design related services	Design Certification Fee	Subdivision - URD - Underground - 1-5 lots	Fee	\$314.22
Ancillary Services	Design related services	Design Certification Fee	Subdivision - URD - Underground - 41+ lots	Fee	\$942.66
Ancillary Services	Design related services	Design Certification Fee	Subdivision - URD - Underground - 6-10 lots	Fee	\$471.33
Ancillary Services	Design related services	Design Information Fee	Asset Relocation - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Asset Relocation - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Industrial & Commercial - <= 200A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Industrial & Commercial - <= 700A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Industrial & Commercial - > 700A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Industrial & Commercial - HV Customer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Industrial & Commercial - Transmission	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Multi-Dwelling - <= 20 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Multi-Dwelling - <= 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Multi-Dwelling - <= 5 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Multi-Dwelling - > 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - I&C - <= 200A/Phase (LV)	Quote	\$157.11



Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - I&C - <= 700A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - I&C - > 700A/Phase (LV)	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - I&C - HV Customer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - I&C - Transmission	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - Multi-Dwelling - <= 20 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - Multi-Dwelling - <= 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - Multi-Dwelling - <= 5 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - Multi-Dwelling - > 40 units	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Connection of Load - Non Urban - Single Residential - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Public Lighting - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Public Lighting - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Subdivision - Industrial & Commercial - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Subdivision - Non Urban - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Information Fee	Subdivision - URD - Underground - 11-40 lots	Fee	\$1,099.77
Ancillary Services	Design related services	Design Information Fee	Subdivision - URD - Underground - 1-5 lots	Fee	\$471.33
Ancillary Services	Design related services	Design Information Fee	Subdivision - URD - Underground - 41+ lots	Fee	\$1,413.99
Ancillary Services	Design related services	Design Information Fee	Subdivision - URD - Underground - 6-10 lots	Fee	\$628.44
Ancillary Services	Design related services	Design Re-certification Fee	Asset Relocation - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Asset Relocation - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Connection of Load - Industrial & Commercial - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Connection of Load - Non Urban - Per Hour	Quote	\$157.11

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Design related services	Design Re-certification Fee	Connection of Load - URD - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Public Lighting - Designer	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Public Lighting - Engineer	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Subdivision - Industrial & Commercial - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Subdivision - Non Urban - Per Hour	Quote	\$157.11
Ancillary Services	Design related services	Design Re-certification Fee	Subdivision - URD - Per Hour	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Asset Relocation - Asset Relocation - Underground - Per Hour (Engineer) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Asset Relocation - Asset Relocation - Underground - Per Hour (Inspector) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Fee	\$94.27
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Fee	\$180.68
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Fee	\$345.64
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade A	Fee	\$62.84
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+) - Grade B	Fee	\$109.98
Ancillary Services	Inspection services – Private electrical	Inspection of Service Work	Connection of Load - Industrial & Commercial - Overhead - Per Pole (11+)	Fee	\$235.66

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	installations and accredited service providers (ASPs)	(Level 1)	- Grade C		
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Fee	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Fee	\$312.65
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Fee	\$549.88
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Fee	\$1,099.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Fee	\$1,382.56
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Underground - Per Hour (Engineer) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Industrial & Commercial - Underground - Per Hour (Inspector) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Fee	\$94.27
Ancillary Services	Inspection services – Private electrical installations and accredited service	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Fee	\$188.53

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	providers (ASPs)				
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Fee	\$345.64
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade A	Fee	\$62.84
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade B	Fee	\$109.98
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (11 +) - Grade C	Fee	\$235.66
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Fee	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Fee	\$312.65
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade A	Fee	\$534.17
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade B	Fee	\$1,099.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Overhead - Per Pole Sub - Grade C	Fee	\$1,335.43

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Underground - Per hour (Engineer) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - Non Urban - Underground - Per hour (Inspector) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - URD - Underground - Per hour (Engineer) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Connection of Load - URD - Underground - Per hour (Inspector) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Public Lighting - Public Lighting - Underground - Per Hour (Engineer) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Public Lighting - Public Lighting - Underground - Per Hour (Inspector) + travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade A	Fee	\$94.27
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade B	Fee	\$172.82
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (1 - 5) - Grade C	Fee	\$345.64
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade A	Fee	\$62.84
Ancillary	Inspection services – Private electrical	Inspection of Service Work	Subdivision - Industrial & Commercial -	Fee	\$109.98

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Services	installations and accredited service providers (ASPs)	(Level 1)	Overhead - Per Pole (11 +) - Grade B		
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (11 +) - Grade C	Fee	\$235.66
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade B	Fee	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole (6 - 10) - Grade C	Fee	\$312.65
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade A	Fee	\$549.88
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade B	Fee	\$1,099.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Overhead - Per Pole Sub - Grade C	Fee	\$1,382.56
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade B	Fee	\$188.53
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (1 - 10) - Grade C	Fee	\$392.77

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	providers (ASPs)				
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade B	Fee	\$188.53
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (11 - 50) - Grade C	Fee	\$392.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade B	Fee	\$188.53
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Industrial & Commercial - Underground - Per Lot (51+) - Grade C	Fee	\$392.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade A	Fee	\$94.27
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade B	Fee	\$188.53
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (1 - 5) - Grade C	Fee	\$314.22
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade A	Fee	\$62.84

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade B	Fee	\$102.12
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (11 +) - Grade C	Fee	\$219.95
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade B	Fee	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole (6 - 10) - Grade C	Fee	\$290.65
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade A	Fee	\$534.17
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade B	Fee	\$1,099.77
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Overhead - Per Pole Sub - Grade C	Fee	\$1,335.43
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (1 - 10) - Grade B	Fee	\$188.53
Ancillary	Inspection services – Private electrical	Inspection of Service Work	Subdivision - Non Urban - Underground	Fee	\$400.63



Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Services	installations and accredited service providers (ASPs)	(Level 1)	- Per Lot (1 - 10) - Grade C		
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade A	Fee	\$47.13
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade B	Fee	\$102.12
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (11 - 50) - Grade C	Fee	\$235.66
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade A	Fee	\$15.71
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade B	Fee	\$62.84
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - Non Urban - Underground - Per Lot (51+) - Grade C	Fee	\$109.98
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Hour + \$44 travel time	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade A	Fee	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade B	Fee	\$180.68
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (1 - 10) - Grade C	Fee	\$392.77

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	providers (ASPs)				
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade A	Fee	\$47.13
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade B	Fee	\$109.98
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (11 - 50) - Grade C	Fee	\$219.95
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (51 +) - Grade A	Fee	\$15.71
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (51 +) - Grade B	Fee	\$62.84
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of Service Work (Level 1)	Subdivision - URD - Underground - Per Lot (51 +) - Grade C	Fee	\$102.12
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of service work (Level 2 work)	Per NOSW - A Grade	Fee	\$54.99
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of service work (Level 2 work)	Per NOSW - B Grade	Fee	\$94.27
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of service work (Level 2 work)	Per NOSW - C Grade	Fee	\$314.22
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of works outside normal working hours	Access Permits	Fee	\$2,338.97

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of works outside normal working hours	Administration Fee	Fee	\$52.37
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Inspection of works outside normal working hours	Overtime Hours Rate	Quote	\$78.55
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Investigation, review & implementation of remedial actions associated with ASP's connection work	Investigation, review & implementation of remedial actions associated with ASP's connection work.	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Private inspection	Private inspection of privately owned low voltage or high voltage network infrastructure (i.e. privately owned distribution infrastructure before the meter).	Quote	\$157.11
Ancillary Services	Inspection services – Private electrical installations and accredited service providers (ASPs)	Reinspection Fee (Level 1 & Level 2 work)	Reinspection Fee (Level 1 & Level 2 work)	Quote	\$157.11
Ancillary Services	Network related property services	Conveyancing Information	Supply of conveyancing information - Per Desk Inquiry	Fee	\$51.95
Ancillary Services	Network related property services	Services involved in obtaining deeds of agreement	Services involved in obtaining deeds of agreement in relation to property rights associated with contestable connections work	Quote	\$157.11
Ancillary Services	Network safety services	De-energisation safety services	de-energising wires for safe approach (e.g. for tree pruning)	Fee	\$351.44
Ancillary Services	Network safety services	Network safety services	Traffic Management to install & remove, break & remake, connect & disconnect excluded distribution services	Fee	\$4,339.53
Ancillary Services	Network safety services	Network safety services	Traffic Management to test, terminate and joint excluded distribution services	Fee	\$3,977.30
Ancillary Services	Network safety services	Rectification Works For these jobs, materials & other costs are charged at purchase price + overheads	Fitting of tiger tails (Labour) - Per Hour	Quote	\$151.41
Ancillary Services	Network safety services	Rectification Works For these jobs, materials & other costs are	Fitting of tiger tails (Material) - Weekly Hire	Quote	\$5.55

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
		charged at purchase price + overheads			
Ancillary Services	Network safety services	Rectification Works For these jobs, materials & other costs are charged at purchase price + overheads	High load escorts - Per Hour	Quote	\$151.41
Ancillary Services	Network safety services	Rectification Works For these jobs, materials & other costs are charged at purchase price + overheads	Provision of service crew / additional crew - Per Hour	Quote	\$151.41
Ancillary Services	Network safety services	Rectification Works For these jobs, materials & other costs are charged at purchase price + overheads	Rectification of illegal connections - Per Job	Fee	\$605.66
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - Industrial & Commercial - Per Compliance Cert	Fee	\$207.80
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - Industrial & Commercial - Per hour for early cert	Quote	\$103.90
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - Non Urban - Per Compliance Cert	Fee	\$311.69
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - Non Urban - Per hour for early cert	Quote	\$103.90
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - URD - Per Compliance Cert	Fee	\$207.80
Ancillary Services	Notices of arrangement and completion notices	Compliance Certificate	Connection of Load - URD - Per hour for early cert	Quote	\$103.90
Ancillary Services	Notices of arrangement and completion notices	Notification of Arrangement	Subdivision - Industrial & Commercial - Per hour for early notification	Quote	\$103.90
Ancillary Services	Notices of arrangement and completion notices	Notification of Arrangement	Subdivision - Industrial & Commercial - Per NOA	Fee	\$207.80
Ancillary Services	Notices of arrangement and	Notification of Arrangement	Subdivision - Non Urban - Per hour for early notification	Quote	\$103.90

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	completion notices				
Ancillary Services	Notices of arrangement and completion notices	Notification of Arrangement	Subdivision - Non Urban - Per NOA	Fee	\$207.80
Ancillary Services	Notices of arrangement and completion notices	Notification of Arrangement	Subdivision - URD - Per hour for early notification	Quote	\$103.90
Ancillary Services	Notices of arrangement and completion notices	Notification of Arrangement	Subdivision - URD - Per NOA	Fee	\$207.80
Ancillary Services	Off-peak conversion	Off Peak Conversions	Off Peak Conversion site visit (no access)	Fee	\$113.56
Ancillary Services	Off-peak conversion	Off Peak Conversions	Off Peak Conversions	Fee	\$126.18
Ancillary Services	Planned Interruption – Customer requested	Planned interruption - customer requested	Planned interruption - customer requested	Quote	\$154.86
Ancillary Services	Provision of training to third parties for network related access	Training services to ASPs	Training services to ASPs	Quote	\$151.41
Ancillary Services	Rectification works to maintain network safety	Vegetation defect management	Vegetation defect management	Quote*	\$151.41
Ancillary Services	Site establishment services	Site Establishment Fee	Error correction due to incorrect information received from Retailers or Metering Providers (no Site Visit)	Fee	\$159.78
Ancillary Services	Site establishment services	Site Establishment Fee	Non market Site Establishment	Fee	\$11.98
Ancillary Services	Site establishment services	Site Establishment Fee	Site Establishment - Per NMI	Fee	\$41.86
Ancillary Services	Site establishment services	Site Establishment Fee	Site Establishment assessment that does not result in the allocation of a NMI.	Fee	\$9.99
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	11kV Padmount/Indoor substation cable termination	Fee	\$4,162.95
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	11kV Pole top termination (UGOH) and bonding to OH	Fee	\$4,934.90
Ancillary Services	Termination of cable at zone substation – distributor required	Termination of cable at zone substation – distributor required	11kV Straight through joint	Fee	\$4,097.81

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	performance	performance			
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	11kV Zone substation circuit breaker cable termination	Fee	\$3,838.15
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	22kV Padmount/Indoor substation cable termination	Fee	\$5,051.97
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	22kV Pole top termination (UGOH) and bonding to OH	Fee	\$5,528.94
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	22kV Straight through joint	Fee	\$4,279.11
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	22kV Zone substation circuit breaker cable termination	Fee	\$3,981.02
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	Protection setting	Fee	\$4,111.04
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	Testing cable prior to commissioning	Fee	\$4,660.92
Ancillary Services	Termination of cable at zone substation – distributor required performance	Termination of cable at zone substation – distributor required performance	Zone substation access and supervision for installation of cable(s) for one feeder	Fee	\$3,228.67
Connection application related services	Connection Offer Service	Connection Offer Service	Connection Offer Service (Basic)	Fee	\$26.18
Connection application related services	Connection Offer Service	Connection Offer Service	Connection Offer Service (Standard)	Fee	\$235.66
Connection application	Planning Studies	Planning Studies	Carrying out planning studies and analysis relating to distribution (including	Quote	\$216.02

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
related services			sub transmission and dual function assets) connection applications - COMPLEX JOBS		
Connection application related services	Planning Studies	Planning Studies	Carrying out planning studies and analysis relating to distribution (including sub transmission and dual function assets) connection applications - SIMPLE JOBS	Quote	\$196.39
Connection application related services	Preliminary Enquiry Service	Preliminary Enquiry Service	Preliminary Enquiry Service - COMPLEX JOBS	Quote	\$216.02
Connection application related services	Preliminary Enquiry Service	Preliminary Enquiry Service	Preliminary Enquiry Service - SIMPLE JOBS	Quote	\$103.90
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections (Meter Box) - Includes Reconnection	Fee	\$75.71
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections (Meter Load Tail) - Includes Reconnection	Fee	\$286.17
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections (Pole Top / Pillar Box) - Includes Reconnection	Fee	\$472.98
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections /Reconnections (Site Visit)	Fee	\$64.18
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections at Pole Top / Pillar Box - Site Visit	Fee	\$202.90
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Reconnection outside Normal business hours	Fee	\$72.48
Connection Services	Reconnections/Disconnections	Rectification Works	Rectification of illegal connections	Fee	\$605.66
Metering Services	Customer requested provision of additional metering/consumption data	Customer Data Request	Customer Data Request	Fee	\$17.46
Metering Services	Distributor arranged outage for purposes of replacing meter	No access	No access	Fee	\$177.39
Metering Services	Distributor arranged outage for purposes of replacing meter	Other party fails to arrive.	Other party fails to arrive.	Fee	\$404.51
Metering Services	Distributor arranged outage for purposes of replacing meter	Isolation completed	Outage Arrangements	Fee	\$593.78
Metering Services	Emergency maintenance of failed metering equipment not	Emergency Maintenance	In hours	Quote	\$157.11

Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
	owned by the distributor (contestable meters)				
Metering Services	Emergency maintenance of failed metering equipment not owned by the distributor (contestable meters)	Emergency Maintenance (After hours)	After hours	Quote	\$274.94
Metering Services	Meter recovery and disposal – type 5 and 6 (legacy meters)	CT Meter Removal & Disposal	CT Meter Removal & Disposal	Fee	\$171.91
Metering Services	Meter recovery and disposal – type 5 and 6 (legacy meters)	WC Meter Disposal	WC Meter Disposal	Fee	\$171.91
Metering Services	Special meter reading and testing (legacy meters)	Meter Test Fee	Meter Test Fee - Per Request	Fee	\$454.24
Metering Services	Special meter reading and testing (legacy meters)	Meter Test Fee	Meter Test Fee - Site Visit	Fee	\$113.56
Metering Services	Special meter reading and testing (legacy meters)	Move in move out meter reads	Move in meter reads	Fee	\$37.85
Metering Services	Special meter reading and testing (legacy meters)	Move in move out meter reads	Move out meter reads	Fee	\$37.85
Metering Services	Special meter reading and testing (legacy meters)	Special Meter Reads	Special Meter Reads	Fee	\$37.85
Metering Services	Special meter reading and testing (legacy meters)	Special Meter Reads	Special Meter Reads - Site Visit	Fee	\$30.28
Metering Services	Special meter reading and testing (legacy meters)	Type 5-7 Non Standard Meter data Services	Type 5-7 Non Standard Meter data Services	Fee	\$17.46
Metering Services	Distributor arranged outage for purposes of replacing meter	Notification Only	Notification Only	Fee	\$290.95
Ancillary Services	Site establishment services	Site Establishment Fee	Error correction due to incorrect information received from Retailers or Metering Providers (Site Visit)	Fee	\$119.84
Ancillary Services	Site establishment services	Site Establishment Fee	NMI Extinction	Fee	\$29.96
Ancillary	Emergency maintenance of	Metering Investigation	Metering Investigation services	Fee	\$230.59



Grouping 1	Grouping 2	Grouping 3	Grouping 4	Tariff Type	AER final decision
Services	failed metering equipment not owned by the distributor (contestable meters)	services			
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Reconnection of already connected site	Fee	\$129.25
Connection Services	Reconnections/Disconnections	Reconnections / Disconnections	Disconnections (Meter Load Tail) -Site Visit ONLY	Fee	\$227.12
Ancillary Services	Cable spike	Cable ID & Spike	Cable ID & Spike	Fee	\$628.44
Ancillary Services	Attendance at customers' premises to perform a statutory right where access is prevented.	Security escort	Organising and providing a security escort where we have determined it necessary to ensure the safety of staff.	Quote	\$103.90

Source: Endeavour Energy, *0.17 Revised ANS Pricing Model - January 2019 - Public*.

Note: \* 'Vegetation defect management' was listed as a fee based service in Endeavour's Revised ANS pricing model. We have changed it to a quoted service with Endeavour's agreement as this fee would seem more appropriate to be charged on a quoted basis.

For the avoidance of doubt, these final prices are listed in Endeavour Energy's ANS pricing model - *0.17 Revised ANS Pricing Model - January 2019 – Public* in the worksheet 'AER – Calc Cost build up', Column O.

For quoted services, the fees listed are the hourly labour rate only. Quoted service fees also include *Contractor Services* and *Materials*.

**Table 15.2 Quoted service ancillary network services hourly labour rates for 2019–20, final decision (\$2019–20)**

Endeavour labour category and description		AER labour category <sup>1</sup>	AER final decision - maximum total hourly rate (base plus on-costs plus overheads)
1	Admin	Admin	\$103.90
2	Technical	Technical Specialist	\$157.11
3	Engineer	Engineer	\$196.39
4	Field Worker	Field Worker	\$151.41
5	Senior Engineer	Senior Engineer	\$216.02
6	Traffic Controllers & Supervisors - External Contractors	N/A	\$90.56
7	Operations Manager	Engineer	\$196.39
8	Engineering Officer / Project Manager	Engineer	\$191.71
9	EFM	Field Worker	\$127.73
10	All staff involved in disconnections / reconnections (Meter Box)	Field Worker	\$151.41
11	All staff involved in disconnections / reconnections (Site Visit)	N/A	\$64.18
12	All staff involved in disconnections / reconnections (Meter Box)	N/A	\$72.48
13	R4 - Field Worker	Field Worker	\$151.41
14	R1 - Admin	Admin	\$104.74
15	R2 - Technical Specialist	Technical Specialist	\$157.11
16	R3 - Engineer	Engineer	\$196.39
17	R4 - Field Worker	Field Worker	\$151.41
18	Blended (69% R2 Tech & 31% R4 Field Worker)	Blended 69% Technical Specialist and 31% Field Worker	\$155.34

Source: Australian Energy Regulator, *Draft Decision – Endeavour Energy distribution determination 2019-24 – Attachment 15 – Alternative control services*, November 2021, p. 15-56, 15-57.

<sup>1</sup> AER labour categories are based on Marsden Jacob recommendations.

**Table 15.3 Fee-based services – security lighting, \$2019–20**

Light size	Short-term		Long-term	
	Monthly charge	Installation Charge	Monthly charge	Installation charge
Minor	\$48.77	\$712.46	\$48.77	\$300.00
Small	\$63.07	\$1,059.08	\$63.08	\$300.00
Medium	\$69.44	\$1,056.68	\$69.45	\$300.00
Large	\$80.82	\$1,075.12	\$80.82	\$300.00
X-Large	\$132.77	\$1,246.81	\$132.77	\$300.00

Source: Australian Energy Regulator, *Draft Decision – Endeavour Energy distribution determination 2019-24 – Attachment 15 – Alternative control services*, November 2021, p. 15-57.

Note: While Endeavour requested that we approve GST-inclusive prices the charges above are GST-exclusive to maintain consistency with the presentation of other prices.

**Table 15.4 AER final decision on X factors for each year of the 2020–24 regulatory control period for Ancillary Network Services (per cent)**

	2020–21	2021–22	2022–23	2023–24
X factor	-0.8303%	-1.1681%	-1.2325%	-1.0296%

Source: AER analysis.

Note: To be clear, labour escalators themselves are positive for each year of the regulatory control period. However, the labour escalators in this table are operating as defacto X factors. Therefore, they are negative.

## B Public lighting prices

**Table 15.5 AER final decision on public lighting charges for 2019–20**

Tariff Class 1 (\$2019–20)	Revised Proposal	Final Decision
<b>Asset</b>		
1 x 20 W Fluorescent	47.06	47.39
2 x 20 W Fluorescent	49.52	49.89
2 x 14 W Fluorescent	56.01	56.19
2 x 24 W Fluorescent	51.45	51.69
1 x 40 W Fluorescent	49.67	50.00
2 x 40 W Fluorescent	52.94	53.33
1 x 42 W Fluorescent	48.09	48.45
50W Mercury	49.71	50.07
80W Mercury	47.00	47.35
125W Mercury	47.32	47.66
250W Mercury	47.44	47.78
2 x 250W Mercury	92.34	91.85
400 W Mercury	47.41	47.75
50W Sodium	58.88	59.11
70W Sodium	52.78	53.14
90W Sodium	55.06	55.47
100W Sodium	56.91	57.29
120W Sodium	52.31	52.67
150W Sodium	54.26	54.60
250W Sodium	60.46	60.90
2 x 250W Sodium	78.00	78.53
310W Sodium	59.84	60.28
400 W Sodium	53.44	53.84
2 x 400 W Sodium	68.45	68.82
4 x 600W Sodium	83.47	84.09
60 W Incandescent	63.54	64.02
1500 W Incandescent	63.54	64.02
100 W Metal Halide	78.92	79.32

<b>Tariff Class 1 (\$2019–20)</b>	<b>Revised Proposal</b>	<b>Final Decision</b>
150 W Metal Halide	120.33	119.65
250 W Metal Halide	71.54	71.79
2 x 250 W Metal Halide	128.70	128.32
400 W Metal Halide	62.93	63.33
2 x 400 W Metal Halide	171.67	170.39
1000 W Metal Halide	59.35	59.80
600 W Sodium	80.22	80.15
Pole mounting bracket minor (<=3m)	13.70	13.80
Pole mounting bracket major (>3m)	13.78	13.88
Outreach Minor (<=2m)	14.18	14.28
Outreach Major (>2m)	14.20	14.30
Minor Column (<=9)	24.33	24.28
Major Column (>=9)	111.44	108.89

<b>Tariff Class 2 (\$2019–20)</b>		
<b>Asset</b>	<b>Revised Proposal</b>	<b>Final Decision</b>
1 x 20 W Fluorescent	46.39	46.73
2 x 20 W Fluorescent	49.52	49.89
2 x 14 W Fluorescent	46.39	46.73
2 x 24 W Fluorescent	46.39	46.73
1 x 40 W Fluorescent	48.09	48.45
2 x 40 W Fluorescent	52.94	53.33
1 x 42 W Fluorescent	48.09	48.45
50W Mercury	49.34	49.71
80W Mercury	46.85	47.20
125W Mercury	46.85	47.20
250W Mercury	46.85	47.20
2 x 250W Mercury	50.45	50.82
400 W Mercury	46.85	47.20
50W Sodium	51.48	51.86
70W Sodium	51.48	51.86
90W Sodium	55.06	55.47

Tariff Class 2 (\$2019–20)		
100W Sodium	55.06	55.47
120W Sodium	51.32	51.70
150W Sodium	51.32	51.70
250W Sodium	59.84	60.28
2 x 250W Sodium	76.42	76.99
310W Sodium	59.84	60.28
400 W Sodium	53.31	53.70
2 x 400 W Sodium	63.36	63.83
4 x 600W Sodium	83.47	84.09
60 W Incandescent	63.54	64.02
1500 W Incandescent	63.54	64.02
100 W Metal Halide	72.89	73.43
150 W Metal Halide	63.54	64.02
250 W Metal Halide	61.13	61.58
2 x 250 W Metal Halide	79.00	79.59
400 W Metal Halide	59.85	60.30
2 x 400 W Metal Halide	76.46	77.03
1000 W Metal Halide	59.85	60.30
600 W Sodium	53.31	53.70
Pole mounting bracket minor (<=3m)	13.67	13.77
Pole mounting bracket major (>3m)	13.67	13.77
Outreach Minor (<=2m)	13.67	13.77
Outreach Major (>2m)	13.67	13.77
Minor Column (<=9)	17.85	17.98
Major Column (>=9)	17.85	17.98

Tariff Class 3		
Asset (\$2019–20)	Revised Proposal	Final Decision
2x14W Energy Efficient Fluoro - STD	76.35	76.18
2x24W Energy Efficient Fluoro - STD	78.74	78.52
1x42W Compact Fluorescent - STD	74.20	74.11
50W Mercury - STANDARD	72.21	72.20

Tariff Class 3		
80W Mercury - STANDARD	72.25	72.17
70W Sodium - STANDARD	77.18	77.14
100W Sodium - STANDARD	86.25	86.12
100W Metal Halide - STANDARD	105.50	105.50
25W LED	74.45	74.32
Suburban 70W HPS c/w D2 PECB - STD	77.18	77.14
150W Sodium - STANDARD	81.39	81.26
150W Metal Halide - STANDARD	94.59	94.54
250W Sodium - STANDARD	91.67	91.58
250W Metal Halide - STANDARD	93.07	92.98
400W Sodium - STANDARD	90.35	90.10
80W Mercury - AEROSCREEN	97.34	97.46
Urban A/Screen 42W CFL c/w D2 PECB	80.86	80.65
150W Sodium - AEROSCREEN	84.55	84.35
150W Metal Halide - AEROSCREEN	97.74	97.63
250W Sodium (w/o PECB) - AEROSCREEN	93.02	92.90
250W Metal Halide - AEROSCREEN	94.41	94.30
400W Sodium - AEROSCREEN	89.49	89.25
400W Metal Halide - AEROSCREEN	96.56	96.37
Roadster A/Screen 100W HPS c/w PECB	86.25	86.12
80W Mercury - POST TOP	92.12	91.65
B2001 42WCFL c/wD2 PECB green - PT	97.27	96.74
250W Sodium - FLOODLIGHT	106.52	106.14
250W Metal Halide - FLOODLIGHT	107.91	107.54
400W Sodium - FLOODLIGHT	101.23	100.77
400W Metal Halide - FLOODLIGHT	108.30	107.89
150W Sodium - FLOODLIGHT	96.94	96.51
150W Metal Halide - FLOODLIGHT	110.13	109.79
Bracket - Minor <=3m	18.99	18.93

Tariff Class 3		
Bracket - Major >3m	46.10	45.14
Outreach - Minor <=2m	20.29	20.18
Outreach - Major >2m	27.21	26.88
Pole (Wood) - Minor - DEDICATED SL <=11m	149.38	145.20
Pole (Wood) - Major - DEDICATED SL >11m	262.03	254.13
Column (Steel) - Minor <=9m	153.41	149.09
Column (Steel) - Major >9m	281.64	273.09
17W LED Cat P Luminaire	74.45	74.32
18W LED P4 Gerard	74.45	74.32
25W LED P4 Gerard	74.45	74.32
33W LED	80.78	80.56
42W LED	77.63	77.45
82W LED Gerard V5 Cat Luminaire	99.70	99.19
100W LED Gerard V4 Cat Luminaire	99.70	99.19
198W LED Gerard V2/V3 Cat Luminaire	109.83	109.18

Tariff Class 4		
Asset (\$2019–20)	Revised Proposal	Final Decision
2x14W Energy Efficient Fluoro - STD	50.51	50.72
2x24W Energy Efficient Fluoro - STD	50.81	51.01
1x42W Compact Fluorescent - STD	51.73	51.98
50W Mercury - STANDARD	52.57	52.85
80W Mercury - STANDARD	50.39	50.63
70W Sodium - STANDARD	55.09	55.37
100W Sodium - STANDARD	59.39	59.67
100W Metal Halide - STANDARD	77.51	77.93
25W LED	45.15	45.33
Suburban 70W HPS c/w D2 PECB - STD	55.09	55.37
150W Sodium - STANDARD	55.49	55.74
150W Metal Halide - STANDARD	67.91	68.26



Tariff Class 4		
250W Sodium - STANDARD	64.28	64.59
250W Metal Halide - STANDARD	65.59	65.92
400W Sodium - STANDARD	58.37	58.60
80W Mercury - AEROSCREEN	75.48	75.93
Urban A/Screen 42W CFL c/w D2 PECB	52.58	52.79
150W Sodium - AEROSCREEN	55.89	56.12
150W Metal Halide - AEROSCREEN	68.31	68.64
250W Sodium (w/o PECB) - AEROSCREEN	64.45	64.76
250W Metal Halide - AEROSCREEN	65.76	66.08
400W Sodium - AEROSCREEN	58.26	58.50
400W Metal Halide - AEROSCREEN	64.92	65.21
Roadster A/Screen 100W HPS c/w PECB	59.39	59.67
80W Mercury - POST TOP	52.93	53.05
B2001 42WCFL c/w D2 PECB green - PT	54.68	54.79
250W Sodium - FLOODLIGHT	66.18	66.40
250W Metal Halide - FLOODLIGHT	67.49	67.72
400W Sodium - FLOODLIGHT	59.76	59.93
400W Metal Halide - FLOODLIGHT	66.42	66.64
150W Sodium - FLOODLIGHT	57.47	57.63
150W Metal Halide - FLOODLIGHT	69.90	70.15
Bracket - Minor <=3m	14.68	14.75
Bracket - Major >3m	19.44	19.25
Outreach - Minor <=2m	14.91	14.96
Outreach - Major >2m	16.12	16.11
Pole (Wood) - Minor - DEDICATED SL <=11m	41.03	39.94
Pole (Wood) - Major - DEDICATED SL >11m	60.79	58.65
Column (Steel) - Minor <=9m	27.27	26.91
Column (Steel) - Major >9m	30.93	30.38
17W LED Cat P Luminaire	45.15	45.33

Tariff Class 4		
18W LED P4 Gerard	45.15	45.33
25W LED P4 Gerard	45.15	45.33
33W LED	45.85	46.00
42W LED	45.50	45.67
82W LED Gerard V5 Cat Luminaire	47.93	47.99
100W LED Gerard V4 Cat Luminaire	47.93	47.99
198W LED Gerard V2/V3 Cat Luminaire	49.05	49.06

## C Metering service prices

**Table 15.61 Metering X factors for 2019–24**

Period	2020-21	2021-22	2022-23	2023-24
Metering X factor	-1.9000%	-1.9000%	-1.9000%	-1.9000%

Note: We do not apply an X factor for 2019–20 because we set the 2019–20 metering charges in this decision.

**Table 15.72 Annual metering charges for 2019–20**

		2019-20
Residential Anytime	Capital	\$1.93
	Non-capital	\$17.77
Residential TOU – Type 6 Meter	Capital	\$1.93
	Non-capital	\$38.76
Residential TOU – Type 5 Meter	Capital	\$1.93
	Non-capital	\$162.52
Small Business Anytime	Capital	\$1.93
	Non-capital	\$26.93
Small Business TOU – Type 6 Meter	Capital	\$1.93
	Non-capital	\$66.23
Small Business TOU – Type 5 Meter	Capital	\$1.93
	Non-capital	\$189.99
Controlled Load	Capital	\$1.93
	Non-capital	\$4.52
Solar	Capital	\$1.93
	Non-capital	\$4.52

Source: AER analysis.

Note: Prices for the remaining years of the period will be adjusted for actual CPI during the AER’s annual pricing approval process.