



Pricing Proposal
For the financial year ending June 2020

Appendix B: Alternative control services fee schedule
May 2019

PUBLIC

Content

1	ANCILLARY NETWORK SERVICES	3
1.1	Approved labour rates (real \$FY20 per hour)	3
1.2	Outside of business hours	3
1.3	Metering related ANS (real \$FY20)	3
1.4	Design related ANS (real \$FY20)	5
1.5	Connection application related ANS (real \$FY20)	6
1.6	Network commissioning and de-commissioning (real \$FY20)	6
1.7	Access permits, oversight and facilitation (real \$FY20)	7
1.8	Notices of arrangement (real \$FY20)	7
1.9	Network related property services (real \$FY20)	8
1.10	Network safety and security services (real \$FY20)	8
1.11	Inspection services (real \$FY20)	9
1.12	Authorisation of ASPs (real \$FY20)	9
1.13	Consultancy and review services (real \$FY20)	10
1.14	Training services and ASP material sales (real \$FY20)	10
1.15	Security lighting (real \$FY20)	11
2	METERING	12
2.1	Annual metering charges for FY20 by tariff (real \$FY20)	12
2.2	Churning customers	13
3	PUBLIC LIGHTING	14
3.1	Post 2009 Annuity Prices (real \$FY20)	14
3.2	Maintenance Prices (real \$FY20)	20
3.3	Pre 2009 asset capital charges (real \$FY20)	23
4	CONTROL MECHANISM	27
5	X FACTORS	29
5.1	Ancillary network services	29
5.2	Public lighting	29
5.3	Type 5 and 6 metering services	29

1 ANCILLARY NETWORK SERVICES

1.1 Approved labour rates (real \$FY20 per hour)

Category	Max Labour rate (excl. GST)	Max Labour rate (incl. GST)
Admin Support R1	104.74	115.21
Technical Specialist R2	157.11	172.82
EO7/engineer R3	196.39	216.03
Field worker R4	151.41	166.55
Senior engineer R5	216.02	237.62
Engineering Manager R6	261.74	287.91

1.2 Outside of business hours

If an ancillary service is provided outside the hours of 7.30 am to 4.00 pm on a working day at the request of a customer (other than where Ausgrid requires that the work be performed outside those hours) Ausgrid will charge 175% of the fee for that service.

1.3 Metering related ANS (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Metering Site Establishment	Fixed	60.18	66.20
Special Meter Reading	Fixed	11.13	12.24
Type 5-6 Meter Test	Quoted (per hour)	151.41	166.56
Franchise current transformer (CT) meter install	-	N/A	N/A
Types 5-7 non-standard Meter Data Services	Fixed	15.88	17.47
Emergency maintenance of failed metering equipment not owned by the network	Fixed	180.06	198.07
Off peak conversion	Fixed	151.41	166.56
Disconnection Visit (Site Visit Only)	Quoted (per hour)	151.41	166.56
Disconnection Completed	Quoted (per hour)	151.41	166.56

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Disconnection Visit (Disconnection Completed- Technical/ Advanced)	Quoted (per hour)	151.41	166.56
Pillar/ Pole Top Disconnection Completed	Fixed	264.98	291.47
Pillar/Pole Top Site Visit	Fixed	355.27	390.80
Reconnection/ Disconnection Outside Normal Business Hours	Fixed	109.72	120.69
Network Tariff Change Request	Fixed	52.37	57.61
Recovery of Debt Collection Costs- Dishonoured Transactions	Fixed	28.02	30.83
Attendance at customer's premises to perform a statutory right where access is prevented	Fixed	86.51	95.16
Vacant Property Disconnection	Fixed	156.27	171.89
Vacant Property Site Visit	Fixed	39.89	43.88
Distributor arranged outage for purpose of replacing metering - Simple	Fixed	244.58	269.04
Distributor arranged outage for purpose of replacing metering - Complex (Labour R1)	Quoted (per hour)	104.74	115.21
Distributor arranged outage for purpose of replacing metering - Complex (Labour R4)	Quoted (per hour)	151.41	166.56
Distributor arranged outage for purpose of replacing metering - Site visit only	Quoted (per hour)	151.41	166.56
Correction of metering and market billing data	Fixed	52.37	57.61
Final read after type 5 meter equipment removed	Fixed	69.83	76.81
Type 5 and 6 CT testing	Quoted (per hour)	151.41	166.56
Type 5 and 6 CT recovery	Quoted (per hour)	151.41	166.56
Metering Site Alteration	Fixed	31.42	34.56
NMI Extinction	Fixed	31.42	34.56
Maintenance and testing of customer metering access points- Labour R2 (New)	Quoted (per hour)	157.11	172.82
Maintenance and testing of customer metering access points- Labour R3 (New)	Quoted (per hour)	196.39	216.03

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Maintenance and testing of customer metering access points- Labour R4 (New)	Quoted (per hour)	151.41	166.55

1.4 Design related ANS (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Administration of Contestable Works - General	Fixed	946.85	1,041.53
Administration of Contestable Works - Additional	Quoted (per hour)	104.74	115.21
Administration of Pioneer Schemes	Fixed	1,293.68	1,423.05
Design Information - Simple	Fixed	598.99	658.89
Design Information - Standard	Quoted (per hour)	196.39	216.03
Design Information - Complex	Quoted (per hour)	216.02	237.63
Design Information - Asset Creation - Base Charge	Fixed	28.28	31.11
Design Information - Asset Creation - Per Asset Charge	Fixed	10.48	11.53
Design Certification - General	Fixed	1,899.09	2,089.00
Design Certification - Other - Labour R3	Quoted (per hour)	196.39	216.03
Design Certification - Other – Labour R5	Quoted (per hour)	216.02	237.63

1.5 Connection application related ANS (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Technical assessment - Applications or Relocations	Fixed	411.64	452.80
Preliminary Enquiry (Labour R3)	Quoted (per hour)	196.39	216.03
Preliminary Enquiry (Labour R5)	Quoted (per hour)	216.02	237.63
Connection Offer – Basic	Fixed	17.80	19.58
Connection Offer – Standard	Fixed	52.37	57.61
Connection Offer - Negotiated	Quoted (per hour)	216.02	237.63
Planning Studies (Labour R3)	Quoted (per hour)	196.39	216.03
Planning Studies (Labour R5)	Quoted (per hour)	216.02	237.63
Site Inspection	Fixed	483.12	531.43
Technical Support - Permanently Unmetered Supply (PUMS)	Quoted (per hour)	196.39	216.03
Registered participant support	Quoted (per hour)	216.02	237.63

1.6 Network commissioning and de-commissioning (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Commissioning assets - Simple	Fixed	1,638.27	1,802.09
Commissioning assets - Standard	Fixed	3,082.70	3,390.97
Commissioning assets - Complex (Labour R2)	Quoted (per hour)	157.11	172.82
Commissioning assets - Complex (Labour R3)	Quoted (per hour)	196.39	216.03
Commissioning assets - Complex (Labour R4)	Quoted (per hour)	151.41	166.56
Decommissioning assets (Labour R2)	Quoted (per hour)	157.11	172.82
Decommissioning assets (Labour R4)	Quoted (per hour)	151.41	166.56

1.7 Access permits, oversight and facilitation (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Simple permit or clearance to work	Fixed	1,256.88	1,382.56
Complex permit or clearance to work (Labour R2)	Quoted (per hour)	157.11	172.82
Complex permit or clearance to work (Labour R3)	Quoted (per hour)	196.39	216.03
Complex permit or clearance to work (Labour R4)	Quoted (per hour)	151.41	166.56
Access permit - cancellation - simple	Fixed	487.04	535.74
Access permit - cancellation - complex	Fixed	1,115.48	1,227.03
Install / remove overhead network earths	Quoted (per hour)	151.41	166.56
Access - standby person	Quoted (per hour)	151.41	166.56
Access - confined spaces entry permit (Labour R2)	Quoted (per hour)	157.11	172.82
Access - confined spaces entry permit (Labour R4)	Quoted (per hour)	151.41	166.56
Process and project facilitation (Labour R3)	Quoted (per hour)	196.39	216.03
Process and project facilitation (Labour R5)	Quoted (per hour)	216.02	237.63
Specialist services	Quoted (per hour)	216.02	237.63
Facilitation of activities within clearances of distributor assets (Labour R3)	Quoted (per hour)	196.39	216.03
Facilitation of activities within clearances of distributor assets (Labour R4)	Quoted (per hour)	151.41	166.56

1.8 Notices of arrangement (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Notice of arrangements	Fixed	448.43	493.27
Notice of arrangements (Labour R1)	Quoted (per hour)	104.74	115.21
Notice of arrangements (Labour R3)	Quoted (per hour)	196.39	216.03

1.9 Network related property services (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Property Tenure (Labour R1)	Quoted (per hour)	104.74	115.21
Property Tenure (Labour R3)	Quoted (per hour)	196.39	216.03
Property Tenure (Labour R5)	Quoted (per hour)	216.02	237.63

Note: legal fees are not included in the above.

1.10 Network safety and security services (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Rectification of illegal connections	Quoted (per hour)	139.18	153.09
Provision of service/additional crew	Quoted (per hour)	151.41	166.56
Fitting of tiger tails (torapoli)	Quoted (per hour)	151.41 + torapoli hire charges	166.56
High load escorts	Quoted (per hour)	151.41	166.56
Temporary Power	Quoted (per hour)	151.41	166.56
Bushfire Mitigation works	Quoted (per hour)	151.41	166.56
Neutral integrity test	Quoted (per hour)	151.41	166.56
De-energisation of wires for safe approach	Quoted (per hour)	151.41	166.56
Rectification of network related customer fault	Quoted (per hour)	151.41	166.56
11 kV cable termination at zone substation	Quoted (per hour)	151.41	166.56
Termination of a sub-transmission cable at a zone substation (Labour R2)	Quoted (per hour)	157.11	172.82
Termination of a sub-transmission cable at a zone substation (Labour R4)	Quoted (per hour)	151.41	166.56
Termination of a sub-transmission cable at a zone substation (Labour R5)	Quoted (per hour)	216.02	237.63
Complex customer initiated asset relocation (Labour R2)	Quoted (per hour)	157.11	172.82
Complex customer initiated asset relocation (Labour R4)	Quoted (per hour)	151.41	166.56

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Complex customer initiated asset relocation (Labour R5)	Quoted (per hour)	216.02	237.63
Traffic control	Quoted (per hour)	151.41	166.56
Substation disconnect and reconnect	Quoted (per hour)	151.41	166.56

1.11 Inspection services (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Network Construction - Level 1 ASP works	Quoted (per hour)	157.11	172.82
Re-inspection – Level 1 ASP works	Quoted (per hour)	157.11	172.82
Level 2 ASP works (NOSW) - A Grade	Fixed	32.47	35.72
Level 2 ASP works (NOSW) - B Grade	Fixed	57.60	63.36
Level 2 ASP works (NOSW) - C Grade	Fixed	183.30	201.63
Re-inspections - Level 2 ASP works	Quoted (per hour)	174.91	192.40
Investigate, review & implementation of remedial actions associated with ASP's connection works	Quoted (per hour)	216.02	237.63
Mandatory electrical contractor inspections _ Service size >100A	Quoted (per hour)	174.92	192.41
Re-inspection of electrical contractor works	Quoted (per hour)	174.91	192.40

1.12 Authorisation of ASPs (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
ASP Level 1 - Initial Authorisation or Additional Authorisation Session	Fixed	235.67	259.24
ASP Level 1 - Authorisation Renewal or Additional Company to Existing Authorisation	Fixed	52.37	57.61
ASP Level 1 - Company Authorisation – Initial	Fixed	592.44	651.68
ASP Level 1 - Company Re-authorisation (Annual Fee)	Fixed	108.02	118.82
ASP Level 2 - Initial Authorisation	Fixed	418.96	460.85

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
ASP Level 2 - Re-authorisation (Annual Fee)	Fixed	340.41	374.45
ASP Level 2 - Additional authorisation	Fixed	104.74	115.21
ASP Level 3 - Authorisation/Re-authorisation (Biennial Fee)	Fixed	78.56	86.42

1.13 Consultancy and review services (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Engineering consultancy	Quoted (per hour)	261.74	287.91
Approved materials list application (Labour R5)	Quoted (per hour)	216.02	237.63
Approved materials list application (Labour R6)	Quoted (per hour)	261.74	287.91

1.14 Training services and ASP material sales (real \$FY20)

Service	Fixed or quoted	Price (excl. GST)	Price (incl. GST)
Training - 5 to 9 participants	Fixed	157.11	172.82
Training - 10 to 14 participants	Fixed	91.65	100.81
Training - 15 or more participants	Fixed	54.99	60.49
Complex training	Quoted (per hour)	302.43	332.67
ASP material sales	Purchase price + support costs adjustment	AER accepted confidential support cost adjustment (C-I-C)	

1.15 Security lighting (real \$FY20)

Light size	Installation cost (ex-GST)	Monthly charge (ex-GST) – first 2 years	Monthly charge (ex-GST) – post 2 years
Small	400	82.91	46.56
Medium	400	97.01	60.24
Large	400	149.58	118.93

2 METERING

2.1 Annual metering charges for FY20 by tariff (real \$FY20)

Service charge name	Component	Price
Residential Non TOU Closed	Capital	15.62
	Non-capital	10.89
Residential Transitional TOU	Capital	15.62
	Non-capital	10.89
Residential TOU	Capital	17.38
	Non-capital	28.15
Controlled Load 1	Capital	8.67
	Non-capital	0.92
Controlled Load 2	Capital	8.67
	Non-capital	0.92
Small Business Non TOU Closed	Capital	23.88
	Non-capital	11.24
Small Business Transitional TOU	Capital	23.88
	Non-capital	11.24
Small Business TOU	Capital	16.59
	Non-capital	27.89
LV 40-160MWh (System)	Capital	21.60
	Non-capital	49.64
Transitional non-residential tariffs	Capital	21.60
	Non-capital	49.64
Generator Tariff *	Capital	8.95
	Non-capital	2.89
Residential Transitional TOU (data enabled)^	Capital	17.38
	Non-capital	28.15
Small Business Transitional TOU (data enabled)^^^	Capital	16.59
	Non-capital	27.89
Transitional LV 160-750 MWh^^^	Capital	21.60
	Non-capital	49.64

* Prices set lower than AER's Final Decision written attachment to align them with generator service charges in the AER Final Decision modelling (AER – Ausgrid 2019-24 – Final Decision – Metering PTRM and pricing model – Public – April 2019)

^ Residential Transitional TOU (data enabled) is a quoted service with its price aligned to the AER's approved Residential TOU metering charge in FY20. In later years of the 2019-24 period, the FY20 price of this quoted service will be updated for CPI and the AER's approved X-factors for type 5 and 6 metering services.

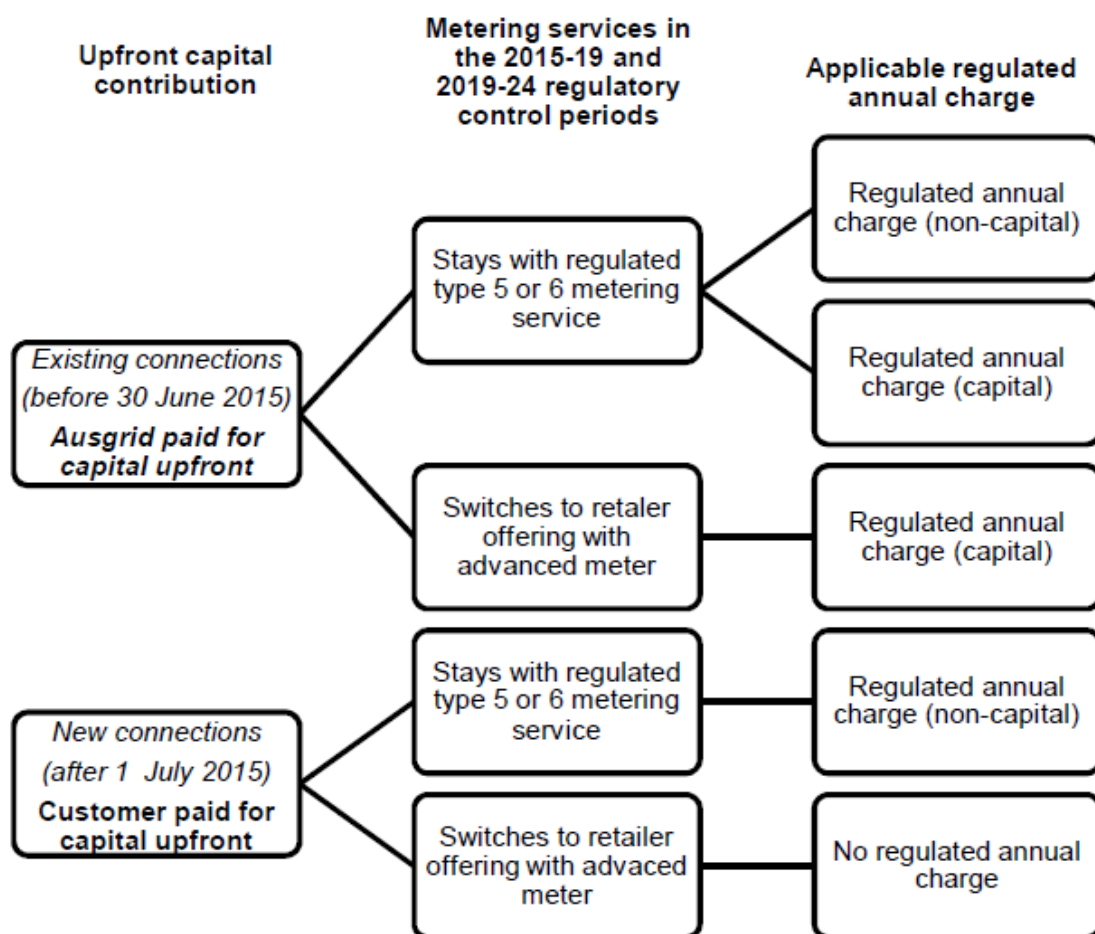
^^ Small Business Transitional TOU (data enabled) is a quoted service with its price aligned to the AER's approved Small Business TOU metering charge in FY20. In later years of the 2019-24 period, the FY20 price of this quoted service will be updated for CPI and the AER's approved X-factors for type 5 and 6 metering services.

^^ Transitional LV 160-750 MWh (New) is a quoted service for customers with Ausgrid meters on network tariff EA317 which, due to an administrative oversight by Ausgrid, do not have an approved metering charge in the AER's Final Decision. The price of this quoted service is aligned to the AER's approved LV 40-160 MWh (System) metering charge in FY20. In later years of the 2019-24 period, the FY20 price of this quoted service will be updated for CPI and the AER's approved X-factors for type 5 and 6 metering services.

2.2 Churning customers

Ausgrid will apply the AER's approved structure of metering charges in FY20. Under this charging structure, customers who transition to an advanced meter will continue to be charged the 'capital' metering charge they paid prior to leaving our metering services, if they had an Ausgrid meter on or before 30 June 2015. This arrangement is set out below. This will apply to customers with Ausgrid type 5 or type 6 meters upgrading to the new residential and small business demand tariffs (EA111/EA115/EA116 and EA251/EA255/EA256).

Figure B.1. AER approved structure of metering charges



3 PUBLIC LIGHTING

3.1 Post 2009 Annuity Prices (real \$FY20)

Item	Price (excl. GST)
Bracket - 0.5	5.93
Bracket - 0.6	5.93
Bracket - 1.0	7.29
Bracket - 1.2	7.29
Bracket - 1.5	7.29
Bracket - 2.0	7.29
Bracket - 2.5	7.29
Bracket - 3.0	7.29
Bracket - 3.5	10.30
Bracket - 4.0	16.56
Bracket - 4.5	16.56
Bracket - 5.0	16.56
Bracket - 6.0	20.59
Bracket - 6.5	20.59
Bracket - 7.0	20.59
Bracket - 8.0	20.59
Bracket - C4	10.01
Bracket - SUSPENDED	-
Bracket - T1	9.25
Bracket - T2	14.48
Bracket - T2A	14.48
Bracket - T3	20.78
Bracket - T3A	20.78
Bracket - T4	20.78

Item	Price (excl. GST)
Bracket - T5	20.78
Bracket - T6	20.78
Bracket - T7	29.92
Luminaire - 1*17W LED	54.39
Luminaire - 1*22W LED	56.46
Luminaire - 1*25W LED GE	48.45
Luminaire - 1*29W LED	35.29
Luminaire - 1*40W TF	-
Luminaire - 1*80W TF	-
Luminaire - 1000W MBF	-
Luminaire - 1000W SON	96.87
Luminaire - 1000W SON FLOODLIGHT	79.57
Luminaire - 1000W/1500W MBI FLOODLIG	107.18
Luminaire - 100W LED ALD	111.80
Luminaire - 100W MBI	37.44
Luminaire - 100W MBI FLOODLIGHT	40.42
Luminaire - 100W SON	39.77
Luminaire - 100W SON - PARKVILLE	-
Luminaire - 100W SON FLOODLIGHT	57.65
Luminaire - 100W SON -PLAIN	39.77
Luminaire - 125W MBF	23.00
Luminaire - 125W MBF - BOURKE HILL	71.31
Luminaire - 125W MBF - PARKVILLE	89.81
Luminaire - 125W MBF -PLAIN	23.00
Luminaire - 125W/250W MBF FLOODLIGHT	31.79
Luminaire - 150W SON	40.11

Item	Price (excl. GST)
Luminaire - 150W SON - PARKVILLE	105.37
Luminaire - 150W SON - PARKWAY 1	47.51
Luminaire - 150W SON ACTIVE REACTOR	58.15
Luminaire - 150W SON FLOODLIGHT	46.66
Luminaire - 150W SON GEC 'BOSTON 3'	-
Luminaire - 150W/250W MBI FLOODLIGHT	70.73
Luminaire - 17W LED SY RRW	57.71
Luminaire - 2*14W TF - T5 PIERLITE M	30.13
Luminaire - 2*20W TF	-
Luminaire - 2*20W TF - WAVERLEY	-
Luminaire - 2*250W SON FLOODLIGHT	64.96
Luminaire - 2*400W SON FLOODLIGHT	127.84
Luminaire - 2*40W TF	-
Luminaire - 2*80W MBF - BOURKE HILL	62.15
Luminaire - 200W LED ALD	111.80
Luminaire - 20W LED GE	48.45
Luminaire - 250W MBF	39.43
Luminaire - 250W MBF - PARKWAY 1	47.51
Luminaire - 250W MBI - SMARTPOLE	-
Luminaire - 250W SON	40.11
Luminaire - 250W SON - PARKVILLE	113.67
Luminaire - 250W SON - PARKWAY 1	47.51
Luminaire - 250W SON ACTIVE REACTOR	58.15
Luminaire - 250W SON FLOODLIGHT	46.66
Luminaire - 250W SON GEC 'BOSTON 3'	98.25
Luminaire - 28W LED SY	60.20

Item	Price (excl. GST)
Luminaire - 298W LED ALD	160.32
Luminaire - 2X14W TF - T5 PIERLIGHT	30.13
Luminaire - 33W LED LRL	65.86
Luminaire - 4*20W TF	-
Luminaire - 4*20W TF - WAVERLEY	-
Luminaire - 4*250W SON	72.90
Luminaire - 4*600W SON	110.06
Luminaire - 400W MBF	31.91
Luminaire - 400W MBF - B2229	31.91
Luminaire - 400W MBF - PARKWAY 1	62.35
Luminaire - 400W MBF FLOODLIGHT	68.30
Luminaire - 400W MBI	-
Luminaire - 400W MBI - SMARTPOLE	-
Luminaire - 400W MBI FLOODLIGHT	54.13
Luminaire - 400W SON	43.43
Luminaire - 400W SON - PARKWAY 1	47.51
Luminaire - 400W SON ACTIVE REACTOR	64.96
Luminaire - 400W SON FLOODLIGHT	46.66
Luminaire - 42W LED LRL	84.29
Luminaire - 42W MBF SYLVANIA SUB ECO	27.68
Luminaire - 50W MBF	20.87
Luminaire - 50W MBF - BOURKE HILL	62.15
Luminaire - 50W MBF - NOSTALGIA	62.15
Luminaire - 50W MBF - PLAIN	20.87
Luminaire - 50W SON	20.19
Luminaire - 50W SON - NOSTALGIA	31.51

Item	Price (excl. GST)
Luminaire - 50W SON -PLAIN	20.19
Luminaire - 700W MBF FLOODLIGHT	-
Luminaire - 70W MBI	26.11
Luminaire - 70W MBI - MACQUARIE DEC.	100.99
Luminaire - 70W MBI II	23.00
Luminaire - 70W MBI II AERO	23.85
Luminaire - 70W SON	22.92
Luminaire - 70W SON - BOURKE HILL	69.50
Luminaire - 70W SON - NOSTALGIA	64.81
Luminaire - 70W SON - PARKVILLE	81.30
Luminaire - 70W SON BOLLARD	49.48
Luminaire - 70W SON FLOODLIGHT	27.63
Luminaire - 70W SON -PLAIN	22.92
Luminaire - 80W MBF	-
Luminaire - 80W MBF - BEGA+CURVE BRA	101.53
Luminaire - 80W MBF - BOURKE HILL	47.58
Luminaire - 80W MBF - NOSTALGIA	61.12
Luminaire - 80W MBF - PLAIN	19.90
Luminaire - 80W MBF - REGAL/FLINDERS	110.64
Luminaire - 80W MBF - SYLVANIA SUBUR	-
Luminaire - 80W MBF BOLLARD	39.37
Luminaire - 80W MBF TOORAK	55.77
Luminaire - LED TRIAL	35.29
Luminaire - TH FLOODLIGHT	115.30
Support - 2ND LIGHT NON-TRL	-
Support - 2ND LIGHT TRL	-

Item	Price (excl. GST)
Support - COLUMN 10.5M-13.5M	391.71
Support - COLUMN 14M-15M	391.71
Support - COLUMN 2.5M-3.5M	342.47
Support - COLUMN 4-6.5M ORION WATE	352.13
Support - COLUMN 4M-6.5M	367.70
Support - COLUMN 7M-10M	359.85
Support - DECORATIVE COLUMN	377.71
Support - DEDICATED SUPPORT & COND	349.35
Support - MACQUARIE STANDARD	345.01
Support - MAST 15.5M-30M	364.92
Support - ORION DOUBLE ARM	334.97
Support - POLO 10.5M DECORATIVE 2M	355.99
Support - ROCKS STANDARD	357.57
Support - SUSPENDED	-
Support - WALL	-
Support - WOOD POLE NON-TRL	-
Support - WOOD POLE TRL	-

3.2 Maintenance Prices (real \$FY20)

Item	Price (excl. GST)
Connection - O/U	106.00
Connection - OH	0.00
Connection - OH2	0.00
Connection - OHS	0.00
Connection - UG2	0.00
Connection - UGR1	97.17
Connection - UGR2	35.33
Connection - UGS	0.00
Connection - UG-SP	0.00
Lamp - LED TRIAL	23.76
Lamp - LED1x100	31.60
Lamp - LED1x17	23.81
Lamp - LED1x18	0.00
Lamp - LED1x20	0.00
Lamp - LED1x200	31.61
Lamp - LED1x22	23.76
Lamp - LED1x25 GE	23.76
Lamp - LED1x28	23.81
Lamp - LED1x29	23.76
Lamp - LED1x298	31.63
Lamp - LED1x33	23.85
Lamp - LED1x42	23.89
Lamp - MBF1x1000	78.80
Lamp - MBF1x125	41.63
Lamp - MBF1x250	56.36

Item	Price (excl. GST)
Lamp - MBF1x400	56.36
Lamp - MBF1x42	37.12
Lamp - MBF1x50	41.73
Lamp - MBF1x80	39.54
Lamp - MBF2x80	50.35
Lamp - MBI1x100	56.29
Lamp - MBI1x1000	70.10
Lamp - MBI1x150	56.20
Lamp - MBI1x250	53.86
Lamp - MBI1x400	53.78
Lamp - MBI1x70	43.07
Lamp - MBI1x70 II	61.05
Lamp - SON1x100	66.24
Lamp - SON1x1000	72.70
Lamp - SON1x150	63.02
Lamp - SON1x150 AR	63.03
Lamp - SON1x250	64.55
Lamp - SON1x250 AR	64.56
Lamp - SON1x400	65.23
Lamp - SON1x400 AR	87.61
Lamp - SON1x50	48.13
Lamp - SON1x600	72.83
Lamp - SON1x70	46.45
Lamp - SON2x250	92.46
Lamp - SON2x400	93.80
Lamp - SON4x250	143.56

Item	Price (excl. GST)
Lamp - SON4x600	175.99
Lamp - TF1x20	42.85
Lamp - TF1x40	67.87
Lamp - TF1x80	42.55
Lamp - TF2x14 T5	43.44
Lamp - TF2x20	54.00
Lamp - TF2x26	43.09
Lamp - TF2x40	43.09
Lamp - TF4x20	42.93
Lamp - TF4x40	44.54
Lamp - TH1x1500	0.00
Lamp - TH1x500	0.00
Lamp - TH1x750	0.00

3.3 Pre 2009 asset capital charges (real \$FY20)

Item	Price (excl. GST)
Customer 1	C-I-C
Customer 2	C-I-C
Customer 3	C-I-C
Customer 4	C-I-C
Customer 5	C-I-C
Customer 6	C-I-C
Customer 7	C-I-C
Customer 8	C-I-C
Customer 9	C-I-C
Customer 10	C-I-C
Customer 11	C-I-C
Customer 12	C-I-C
Customer 13	C-I-C
Customer 14	C-I-C
Customer 15	C-I-C
Customer 16	C-I-C
Customer 17	C-I-C
Customer 18	C-I-C
Customer 19	C-I-C
Customer 20	C-I-C
Customer 21	C-I-C
Customer 22	C-I-C
Customer 23	C-I-C
Customer 24	C-I-C
Customer 25	C-I-C

Item	Price (excl. GST)
Customer 26	C-I-C
Customer 27	C-I-C
Customer 28	C-I-C
Customer 29	C-I-C
Customer 30	C-I-C
Customer 31	C-I-C
Customer 32	C-I-C
Customer 33	C-I-C
Customer 34	C-I-C
Customer 35	C-I-C
Customer 36	C-I-C
Customer 37	C-I-C
Customer 38	C-I-C
Customer 39	C-I-C
Customer 40	C-I-C
Customer 41	C-I-C
Customer 42	C-I-C
Customer 43	C-I-C
Customer 44	C-I-C
Customer 45	C-I-C
Customer 46	C-I-C
Customer 47	C-I-C
Customer 48	C-I-C
Customer 49	C-I-C
Customer 50	C-I-C
Customer 51	C-I-C

Item	Price (excl. GST)
Customer 52	C-I-C
Customer 53	C-I-C
Customer 54	C-I-C
Customer 55	C-I-C
Customer 56	C-I-C
Customer 57	C-I-C
Customer 58	C-I-C
Customer 59	C-I-C
Customer 60	C-I-C
Customer 61	C-I-C
Customer 62	C-I-C
Customer 63	C-I-C
Customer 64	C-I-C
Customer 65	C-I-C
Customer 66	C-I-C
Customer 67	C-I-C
Customer 68	C-I-C
Customer 69	C-I-C
Customer 70	C-I-C
Customer 71	C-I-C
Customer 72	C-I-C
Customer 73	C-I-C
Customer 74	C-I-C
Customer 75	C-I-C
Customer 76	C-I-C
Customer 77	C-I-C

Item	Price (excl. GST)
Customer 78	C-I-C
Customer 79	C-I-C
Customer 80	C-I-C
Customer 81	C-I-C
Customer 82	C-I-C
Customer 83	C-I-C
Customer 84	C-I-C
Customer 85	C-I-C
Customer 86	C-I-C
Customer 87	C-I-C
Customer 88	C-I-C
Customer 89	C-I-C
Customer 90	C-I-C
Customer 91	C-I-C
Customer 92	C-I-C
Customer 93	C-I-C
Customer 94	C-I-C
Customer 95	C-I-C
Customer 96	C-I-C
Customer 97	C-I-C
Customer 98	C-I-C
Customer 99	C-I-C
Customer 100	C-I-C
Customer 101	C-I-C
Customer 102	C-I-C

4 CONTROL MECHANISM

The AER determined price cap formula that will apply to Ausgrid's alternative control services (except for quoted services) is shown in Figure 4.1 below.¹ The quoted services control mechanism is set out in Figure 4.2.

Figure 4.1: Price cap formula to apply to ancillary services (fee based), public lighting and type 5 and 6 metering services

$$\bar{p}_t^i \geq p_t^i \quad i=1,\dots,n \text{ and } t=1, 2,\dots, 5$$

$$\bar{p}_t^i = \bar{p}_{t-1}^i \times (1 + \Delta CPI_t)(1 - X_t^i) + A_t^i$$

Where:

\bar{p}_t^i is the cap on the price of service i in year t.

p_t^i is the price of service i in year t. For the first year of the regulatory control period, the cap on the price of service i will be as per the schedule of approved charges in the AER's Final Decision

ΔCPI_t is the annual percentage change in the ABS consumer price index (CPI) All Groups, Weighted Average of Eight Capital Cities² from the December quarter in year t-2 to the December quarter in year t-1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the December quarter in regulatory year t-1

divided by

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the December quarter in regulatory year t-2

minus one.

For example, for 2020-21, year t-2 is the December quarter 2018 and year t-1 is the December quarter 2019.

X_t^i is the X factor for service i in year t. Under the AER's Final Decision, the X factor for public lighting is 0%.

A_t^i is the sum of any adjustments for service i in year t. Likely to include, but not limited to adjustments for any approved cost pass through amounts (positive or negative) with respect to regulatory year t, as determined by the AER.

Figure 4.2: Control mechanism formula for quoted services

$$\text{Price} = \text{Labour} + \text{Contractor Services} + \text{Materials}$$

Where:

¹ Though the AER's control mechanism attachment for its Final Decision did not include a control mechanism for alternative control services, its Draft Decision and F&A paper specified a 'price cap' will apply.

² If the ABS does not, or ceases to, publish the index, then CPI will mean an index which the AER considers is the best available alternative index.

Labour consists of all labour costs directly incurred in the provision of the service which may include labour on-costs, fleet on-costs and overheads. Labour is escalated annually by $(1 + \Delta CPI_t)(1 - X_i^t)$ where:

ΔCPI_t is the annual percentage change in the ABS consumer price index (CPI) All Groups, Weighted Average of Eight Capital Cities³ from the December quarter in year t-2 to the December quarter in year t-1, calculated using the following method:

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the December quarter in regulatory year t-1

divided by

The ABS CPI All Groups, Weighted Average of Eight Capital Cities for the December quarter in regulatory year t-2

minus one.

For example, for 2020-21, year t-2 is the December quarter 2018 and year t-1 is the December quarter 2019.

X_i^t is the X factor for service i in year t. The value of this factor is as specified in the AER's Final Decision.

Contractor Services reflect all costs associated with the use of external labour including overheads and any direct costs incurred. The contracted services charge applies the rates under existing contractual arrangements. Direct costs incurred are passed on to the customer.

Materials reflect the cost of materials directly incurred in the provision of the service, material storage and logistics on-costs and overheads.

³ If the ABS does not, or ceases to, publish the index, then CPI will mean an index which the AER considers is the best available alternative index.

5 X FACTORS

5.1 Ancillary network services

The X-factors set out in the AER Final Decision for fee-based and quoted ancillary services for each year of the 2019-24 regulatory control period are shown in table below.

Table 5.1. X-factors for Ancillary Network Services (per cent)

	FY20	FY21	FY22	FY23	FY24
X-factor	n/a	-0.7008	-1.0452	-1.2144	-1.0624

5.2 Public lighting

The AER's Final Decision determined that the X Factor to be applied to public lighting services will be zero in each year of the 2019-24 regulatory control period.

5.3 Type 5 and 6 metering services

The X-factors set out in the AER Final Decision for annual metering for the relevant years of the 2019-24 regulatory control period are shown in the table below.

Table 5.2. X-factors for the annual metering charges (per cent)

		FY20	FY21	FY22	FY23	FY24
X-factor	Capital	n/a	3.12	3.12	3.12	3.12
	Non-Capital	n/a	-1.00	-1.00	-1.00	-1.00