

Price Schedule for Ancillary Network Services – 1 July 2019

Price schedule for ancillary network services – fee based effective 1 July 2019

Network services are services performed by Essential Energy to facilitate contestable works. These services are required to ensure that an appropriate level of reliability, quality of supply and safety is maintained when operating the distribution network.

This attachment sets out the final decision on the prices Essential Energy is allowed to charge customers for the provision of alternative control services (ancillary network services and metering).

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

If new services arise during the 2019–24 regulatory control period with characteristics that are the same or essentially the same as other alternative control services, the AER consider that they should be priced as a quoted service until the next regulatory period. Any new ancillary network service and pricing methodology will be disclosed through our annual pricing process.

***All Rates in the below tables are exclusive of GST**

Table 1-1: Applicable Labour Rates

Labour Class	Normal Time rate \$	Overtime hourly rate \$*
Administration (R1a)	104.74	179.10
Para Legal (R1b)	104.74	179.10
Technical Specialist - Indoor Technical Officer (R2a)	157.11	268.66
Technical Specialist - Outdoor Technical Officer (R2b)	177.59	303.69
Engineering Officer (R3)	196.39	335.83
Field Worker (R4)	151.41	258.92
Materials	Per Item	71.96%
Contractor	Per Job	55.89%
Materials & other contractor costs are charged at purchase price / contractor costs + %		

* Essential Energy may impose an overtime hourly rate for services provided outside the hours of 7.30am and 4pm on a working day.

Table 1-2: Schedule of charges for ancillary network services

Network Service	Underground urban residential subdivision (Vacant lots)	Rural overhead subdivisions and rural extensions	Underground commercial and industrial or rural subdivisions (vacant lots – no development)	Commercial and industrial developments	Asset relocation or streetlighting			
1. Design Related Services								
1.1 Design information	Up to 5 lots	\$471.33	R2a per hour	R2a per hour	R2a per hour			
	6 to 10 lots	\$628.44						
	11 to 40 lots	\$1,099.77						
	Over 40 lots	\$1,413.99						
1.2 Design certification	Up to 5 lots	\$314.22	Up to 5 poles	\$314.22	Up to 10 lots	\$471.33	R2a per hour	R2a per hour
	6 to 10 lots	\$471.33	6 to 10 poles	\$471.33	11 to 40 lots	\$628.44		
	11 to 40 lots	\$785.55	11 or more poles	\$785.55	Over 40 lots	\$942.66		
	Over 40 lots	\$942.66						
1.3 Design Re-checking	R2a per hour							
1.4 Design Re-certification (New)	R2a per hour							
1.5 Administration	Up to 5 lots	\$418.96	Up to 5 poles	\$418.96	R1a per hour (max 6 hours)	R1a per hour (max 6 hours)	R1a per hour (max 6 hours)	
	6 to 10 lots	\$523.70	6 to 10 poles	\$523.70				
	11 to 40 lots	\$733.18	11 or more poles	\$942.66				
	Over 40 lots	\$837.92						
1.6 Non – Standard Design Approval (New)	R3 per hour							
2. Connection Application Related Services								
2.1 Connections Customer Interface co-ordination	Basic connection - R2b per hour		Complex connection - R3 per hour					
2.2 Preliminary Enquiry Service	Basic enquiry - R2b per hour		Complex enquiry - R3 per hour					
2.3 Connection / Relocation Process facilitation	R2a per hour							
2.4 Connection Offer Service	Basic: \$26.18 per offer		Basic - Technical Review: \$117.83 per offer		Standard: \$157.11 per offer			
2.5 Planning, Protection and Power Quality Studies	Planning / Protection Studies and Analysis: R3 per hour			Power Quality Studies: R2b per hour				
2.6 Additional Services Requested by ASP / Connection Application (New)	R2b per hour							

Network Service	Underground urban residential subdivision (Vacant lots)	Rural overhead subdivisions and rural extensions	Underground commercial and industrial or rural subdivisions (vacant lots – no development)	Commercial and industrial developments	Asset relocation or streetlighting
2.7 Data Gathering Fee – Failure to Provide Documentation (New)	R2b per hour				
2.8 Pioneer Scheme Administration (New)	Establishment: \$104.74 per job		New Connection: \$104.74 per job		

3. Contestable Network Commissioning & Decommissioning

3.1 Substation Commissioning	Normal Time: \$1,525.54 per substation		Overtime: \$2,385.57 per substation		
3.2 Testing & Commissioning or Streetlights / Mains / Cables / UG Pillars (New)	Underground / Overhead Streetlights	Normal Time: \$75.71 per S/L	Overtime: \$129.46 per S/L		
	Underground / Overhead Distribution Mains	Normal Time: \$1,847.15 per job	Overtime: \$2,814.69 per job		
	Underground Pits / Pillars	Normal Time: \$75.71 per pit / pillar	Overtime: \$129.46 per pit / pillar		
	Underground Cable Test	Normal Time: \$658.65 per job	Overtime: \$1,126.30 per job		
3.3 Redundant Material Coordination (New)	\$52.37 per occasion				
3.4 Commissioning - Other Network Equipment (New)	Recloser	Normal Time: \$2,322.44 per recloser	Overtime: \$2,952.90 per recloser		
	Regulator	Normal Time: \$2,657.15 per regulator site	Overtime: \$3,413.70 per regulator site		
	Smart Switch	Normal Time: \$855.20 per switch	Overtime: \$1,220.86 per switch		
	Other – Specialised Equipment:	R2b per hour			

4. Access Permits, Oversight & Facilitation

4.1 Access Permits	Normal Time: \$2,531.37 per permit		Overtime: \$3,606.41 per permit		
	Rescheduled (Outage Cancellation): \$624.45 per permit				
4.2 Access to network assets (standby)	R2b per hour				
4.3 Sale of Approved Materials / Equipment to ASPs (New)	For these jobs, materials & other costs are charged at purchase price + 26.86% per order				
4.4 Services to supply and connect temporary supply to one or more customers	Connect & disconnect MG to OH/UG mains, switchboard or kiosk	Normal Time: \$2,058.34 per job	Overtime: \$2,810.87 per job		
	Install & remove HV Live Line links or bonds	Normal Time: \$3,115.39 per job	Overtime: \$4,781.71 per job		
	Break and remake LV bonds	Normal Time: \$2,585.44 per job	Overtime: \$3,983.00 per job		
	Generator Hire – Invoice cost + 55.89% per job				
4.5 Rectification of contestable work - ASP Installed (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				

Network Service	Underground urban residential subdivision (Vacant lots)	Rural overhead subdivisions and rural extensions	Underground commercial and industrial or rural subdivisions (vacant lots – no development)	Commercial and industrial developments	Asset relocation or streetlighting
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5. Notices of arrangement and completion notices

5.1 Notice of Arrangement	\$340.40 per job
5.2 Request for Early Notice of Arrangement (New)	R2a per hour
5.3 Completion Notice – Other than Notice of Arrangement (New)	R2a per hour

6. Network Related Property

6.1 Conveyancing Information	\$52.37 per enquiry
6.2 Easement Processing - Conveyancing Review (New)	Conveyancing Services: R1b per hour
	Contract Legal Services: Costs are charged at invoice cost + 55.89% per job
6.3 Service involved in obtaining Deeds of Agreement (DOA)	R3 per hour
6.4 Development Applications and Encroachment Processing (New)	R1b per hour
6.5 Crown Land Acquisition (New)	Legal Services: R3 per hour
	Contract Legal Services: Costs are charged at invoice cost + 55.89% per job
6.6 Legal Review Services - customer funded works (New)	Legal Services: R3 per hour
	Contract Legal Services: Costs are charged at invoice cost + 55.89% per job

7. Site Establishment Services

7.1 Site Establishment	\$78.55 per NMI
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8. Network Safety Services

8.1 Work near electrical assets - De energisation of Mains (New)	Safe Approach Clearances - De energisation of Mains	Normal Time: \$1,933.11 per job	Overtime: \$2,793.14 per job
8.2 Work near electrical assets - Disable Auto Reclose (New)	Safe Approach Clearances - Disable Auto Reclose	Normal Time: \$673.06 per job	Overtime: \$824.37 per job
8.3 Provision of Traffic Control by the DNSP (New)	Costs are charged at price + 55.89% per job		
8.4 Site Safety Supervision (New)	R4 per hour		
8.5 Provision of construction work by DNSP (New)	R4 per hour		
	Materials: Costs are charged at invoice + 71.96% per job		

Network Service	Underground urban residential subdivision (Vacant lots)	Rural overhead subdivisions and rural extensions	Underground commercial and industrial or rural subdivisions (vacant lots – no development)	Commercial and industrial developments	Asset relocation or streetlighting
8.6 Warning Markers (New)	Design:	R2a per hour			
	Installation:	R4 per hour			
	Hire - Tiger Tails:	\$2.42 per tiger tail			
	Hire - Warning Markers:	\$2.85 per marker			
	Purchase - Warning Markers:	\$180.11 per marker			
	Material & Contractor:	Refer table 1.1 for hourly rate / percentage applicable to the service provided			
8.7 High load escorts	High load escorts:	R2b per hour			
<u>9. Rectification Works to Maintain Network Safety</u>					
9.1 Vegetation Clearing of Private Trees Encroaching DNSP Assets (New)	Materials & other contractor costs are charged at purchase price / contractor costs + 55.89%				
9.2 Inspection of Private Trees Encroaching DNSP Assets (New)	R2b per hour				
9.3 Vegetation Clearing of Private Trees Encroaching Private Assets (New)	Materials & other contractor costs are charged at purchase price / contractor costs + 55.89%				
9.4 Rectification works by Essential Energy of Private Asset aerial mains defects (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				
9.5 Rectification works by Essential Energy of DNSP's assets due to landowner encroachment issues (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				
<u>10. Retailer of Last Resort</u>					
10.1 Retailer of Last Resort (ROLR)	Cost per event				
<u>11. Planned Interruption - Customer Requested</u>					
11.1 Planned Interruption - Customer Requested (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				
<u>12. Attendance at customers' premises - Statutory Right</u>					
12.1 Attendance at customers' premises - Statutory Right	R4 per hour				

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13. Inspection Services - Private electrical Installations and ASPs

	Grade	A per lot	B per lot	C per lot	Grade	A per pole	B per pole	C per pole	Grade	A per lot	B per lot	C per lot		
13.1 Inspection of Construction Work (by level 1 ASPs)	First 10 Lots	\$88.80	\$213.11	\$443.99	First 5 Poles	\$106.56	\$213.11	\$355.19	First 10 Lots	\$88.80	\$213.11	\$443.99	R2b per hour	R2b per hour
	Next 30 Lots	\$88.80	\$124.32	\$248.63	Next 5 Poles	\$88.80	\$177.59	\$328.55	Next 30 Lots	\$88.80	\$213.11	\$443.99		
	Remainder	\$17.76	\$71.04	\$118.99	Remainder	\$71.04	\$124.32	\$266.39	Remainder	\$88.80	\$213.11	\$443.99		
13.2 Inspection of service work (Level 2 ASPs)	All service connections: per NOSW				A Grade: \$44.40				B Grade: \$74.59				C Grade: \$213.11	
13.3 Re-inspection of work of a service provider (Level 1 & Level 2 ASPs work)	R2b per hour													
13.4 Re-inspection Customer Installation	R2b per hour (per re-inspection CCEW)													
13.5 Investigation, review & implementation of remedial actions associated with work performed by ASPs	Incident Category 1 -2 Classification: R2a per hour													
	Incident Category 3 - 5 Classification: \$2,356.64 per job													
13.6 Substation Inspection (New)	All services: per substation				A Grade: \$355.19				B Grade: 621.58				C Grade: \$799.18	
13.7 Inspection Services of Privately Owned Electrical Infrastructure Assets (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided													
13.8 Inspection Customer Installation (New)	\$53.18 per CCEW													

14. Provision of Training to 3rd parties for Network Related Access

14.1 Provision of Training to ASPs for Network Access	Access Permit Recipient Training to ASPs (scheduled course)	\$234.06 per student
	Access Permit Recipient Training to ASPs (requested out of schedule course)	\$2,267.76 per class
	Access Permit Recipient Training to ASPs (requested out of schedule course) - Travel	R2b per hour
	Access Permit Recipient Training to ASPs (requested out of schedule course) – Accommodation & Incidentals	Costs are charged at invoice + 55.89% per occasion

Network Service	Underground urban residential subdivision (Vacant lots)	Rural overhead subdivisions and rural extensions	Underground commercial and industrial or rural subdivisions (vacant lots – no development)	Commercial and industrial developments	Asset relocation or streetlighting
14.2. ASP Compliance Related Training Services	ASP Compliance Related Training Services (scheduled course)		R2b per hour		
	ASP Compliance Related Training Services (requested out of schedule course) - Travel		R2b per hour		
	ASP Compliance Related Training Services (requested out of schedule course) - Accommodation & Incidentals		Costs are charged at invoice + 55.89% per occasion		
	Materials		Costs are charged at invoice + 71.96% per occasion		
14.3 Provision of Training - Entry into Electrical Stations	\$296.91 per student				

15. Customer Requested Lighting Services

15.1 Provision of Security Lighting (New)	Nightwatch 250W	\$73.30 per light / per month			
	Nightwatch 400W	\$97.77 per light / per month			
	Nightwatch 1000W	\$156.08 per light / per month			
	Installation Fee (may be waived if customer is willing to enter contract longer than capital recovery period)	\$200 per installation			
15.2 Provision of Luminaire Glare Shield (New)	\$506.56 per light				

16. Off - Peak Conversion

16.1 Off - Peak Conversion	\$93.88 per job				
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17. Authorisation of ASPs

17.1 Authorisation of ASPs	Authorisation - Initial	\$527.33 per authorisation			
	Authorisation - Renewal	\$125.69 per authorisation			
17.2 ASP Authorisation Agreement	Authorisation Agreement - Initial	\$379.68 per authorisation			
	Authorisation Agreement - Renewal	\$52.37 per authorisation			

18. Customer Initiated Asset Relocations

18.1 Design and construction of asset relocations - customer funded (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				
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19. Terminations of Cable at electrical station - Distributer Required Performance

19.1 DNSP Provided cable jointing & termination services for contestable works (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided				
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Table 1-3: Schedule of charges for metering services

Network Service – Metering Services

1. Special Meter Reading and Testing (legacy meters)

1.1 Move In / Move Out Read	\$17.54 per job
1.2 Special Meter Read (incl wasted visit)	\$17.54 per job
1.3 Special Meter Test - 1st	\$603.82 per meter
1.4 Special Meter Tests - Additional	\$390.71 per meter
1.5 Special Meter Tests – CT Meter (New)	\$728.14 per meter

2. Emergency maintenance of failed metering equipment not owned by the distributor (contestable meters)

2.1 Unplanned Outage - Meter Fault (Site attendance) (New)	Normal Time: \$369.20 per job	Overtime: \$616.46 per job
2.2 Unplanned Outage - Meter HW Fault (Site attendance) (New)	Normal Time: \$369.20 per job	Overtime: \$616.46 per job
2.3 Unplanned Outage - Retailer outage impacting non retailer customer (Site attendance) (New)	Normal Time: \$293.49 per job	Overtime: \$487.00 per job
2.4 Unplanned Outage - Remote De-Energisation - EE not notified (Site attendance) (New)	Normal Time: \$293.49 per job	Overtime: \$487.00 per job

3. Meter recovery and disposal – type 5 and 6 (legacy meters)

3.1 Redundant Meter Disposal (New)	\$26.18 per occasion
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4. Distributor arranged outage for purposes of replacing meter

4.1 Retailer Requested Distributer Planned Interruption - Cancellation after notification (New)	\$457.09 per job		
4.2 Retailer Requested Distributer Planned Interruption - Initial Visit (New)	Normal Time: \$402.96 per job	Overtime: \$655.59 per job	
4.3 Retailer Requested Distributer Planned Interruption - Isolation Completed (New)	Isolation Completed	Normal Time: \$343.59 per job	Overtime: \$580.10 per job
	Isolation Completed - Additional Labour Required	Normal Time: R4 per hour	Overtime: R4 per hour
4.4 Retailer Requested Distributer Planned Interruption - Early Cancellation (New)	\$40.76 per job		
4.5 Retailer Requested Distributer Planned Interruption - MC No Attendance (New)	Normal Time: \$305.73 per job	Overtime: \$397.11 per job	

5. Customer requested provision of additional metering/consumption data

5.1 Provision of metering consumption data (New)	\$26.18 per occasion
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Table 1-4: Schedule of charges for Connection Services

Network Service – Connection Services (Includes connections made under Chapter 5 and 5A of the NER)

1. Premises Connection Assets

1.1 Part A. Design and construction of premise connection assets which are undertaken by a customer (where these services are provided contestably) (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided
1.2 Part C. Part design and construction of connection assets where a customer requests that connection assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies), and where those works are designed and constructed by the distributor (as a result of safety, reliability or security reasons) (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided

2. Extensions

2.1 Part A. Design and construction of extensions assets which are undertaken by a customer (where these services are provided contestably) (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided
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3. Augmentations

3.1 Part C. Design and construction of augmentation assets which are undertaken by a customer (where these services are provided contestably) (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided
3.2 Part D. Any shared network enlargement/enhancement undertaken by a distributor where a customer requests that assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies) (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided

4. Reconnections / Disconnections

4.1 Disconnect / Reconnect - Vacant Premise	Disconnect - Vacant Premise	\$40.06 per job
	Reconnect - Vacant Premise	\$48.41 per job
4.2 Disconnect / Reconnect - Site visit only	\$37.37 per job	
4.3 Disconnect / Reconnect - Pole Top / Pillar	Disconnect - Pole Top / Pillar Box	\$264.98 per job
	Reconnect - Pole Top / Pillar Box	\$264.98 per job
4.4 Disconnect / Reconnect - Complete	Disconnection - Complete	\$54.62 per job
	Reconnection - Complete	\$48.41 per job
4.5 Disconnect / Reconnect - Technical Disconnection	Disconnection - Technical Disconnection	\$54.62 per job
	Reconnect - Technical Reconnection	\$48.41 per job
4.6 Reconnect - Outside of Normal Business Hours	\$136.27 per job	
4.7 Illegal Connections	R2b per hour	

5. Non-Standard Connection Services

5.1 Non - Standard Connection Services (New)	Refer table 1.1 for hourly rate / percentage applicable to the service provided
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Explanations and Definitions

Ancillary Network Services

1. Design Related Services

1.1. Design Information

The provision of information by a DNSP to enable an ASP accredited for level 3 work to prepare a design drawing and to submit it for certification.

This may include without limitation:

- > deriving the estimated loading on the system, technically known as the ADMD (after diversity maximum demand). This estimate depends on such factors as the number of customers served and specific features of the customer's demand
- > copying drawings that show existing low and high voltage circuitry geographically and schematically) and adjacent project drawings
- > specifying the preferred sizes for overhead wires (conductors) or underground wires (cables)
- > specifying switchgear configuration type, number of pillars, lights etc
- > determining the special requirements of the DNSP's planning departments necessary to make electrical supply available to a development and cater for future projects
- > any necessary liaison with designers associated with assistance in sourcing design information and developing designs
- > nominating network connection points.

1.2. Design Certification

A certification by a DNSP that a design (if implemented) will not compromise the safety or operation of the DNSP's distribution system.

This may include, without limitation:

- > certifying that the design information/project definition have been incorporated in the design
- > certifying that easement requirements and earthing details are shown
- > considering design issues, including checking for over-design and mechanisms to permit work on high voltage systems without disruption to customers' supply (adequate low voltage parallels)
- > certifying that funding details for components in the scope of works are correct
- > certifying that there are no obvious errors that depart from the DNSP's design standards and specifications
- > certifying that shared assets are not over-utilised to minimise developer's connection costs and that all appropriate assets have been included in the design
- > auditing design calculations such as voltage drop calculations, conductor clearance (stringing) calculations etc
- > certifying that a bill of materials has been submitted
- > certifying that an environmental assessment has been submitted by an accredited person and appropriately checked.

1.3. Design Re-checking

Recheck of a design certification submission which has been previously been rejected by Essential Energy for failure to comply with submission requirements. This may be required as a result of a non-compliant construction drawings or failure to make a complete design submission including all necessary ancillary documentation, including easement requirements (Does not include the rechecking of minor amendments of an insignificant nature).

1.4. Design Re–certification (NEW)

Design recertification at the request of the ASP level 3 after initial certification has been granted. This may be as a result of changes required to the certified design either prior to or during the construction phase of a project, or due to the 6 months certification period expiring.

1.5. Administration

Work of an administrative nature (not including work described in service - Notice of Arrangement or Authorisation of ASPs), including the processing of Level 1 and/or Level 3 work, where the customer is lawfully required to pay for the Level 1 and / or Level 3 work. This may include, without limitation:

- > Checking supply availability;
- > Processing applications;
- > Correspondence from application to completion;
- > Record – keeping;
- > Requesting and receiving fees (initially, then prior to design and after certification);
- > Receiving design drawings (registering and copying);
- > Raising order for high voltage (HV) work;
- > Calculating the value of reimbursements under any applicable pioneer schemes;
- > Calculating the cost of a project and warranty / maintenance bond;
- > Organising refunds to developers for HV work;
- > Liaising with developers via phone and facsimile;
- > Updating Geographic Information Systems (GIS) and mapping;
- > Supporting the process of design information, design certification and design rechecking.

1.6. Non–Standard Design Approval (NEW)

Approval of a non-standard construction type at the request of the ASP Level 3, where during the design phase of the project the designer has identified a design requirement which do not comply with Essential Energy's approved design and construction standards.

Non-standard design requests require clear justification of the intended layout and details the proposed any deviations from approved standards.

2. Connection Application Related Services

2.1. Connections Customer Interface Co-ordination

This service is proposed where customer developments may require a high level of DNSP involvement in order to coordinate a range of inputs from the DNSP to help establish the development. Usually projects with the following characteristics:

- > Multiple components. For example, relocation and connection works associated with the one development, or works ≤ 11 kV and works at higher voltages.
- > Projects with scheduling challenges such as rapid deployment requirements or constrained timeframes for particular tasks.
- > Multiple and/or conflicting works to be undertaken in tandem or cooperation with other services or utilities.
- > Projects where there are significant inter-relationships between capital and contestable works which would benefit from coordination.

The form of this service includes, but is not limited to, attendance at internal and external project meetings in accordance with the needs of particular customers. It requires strong communication skills and technical understanding. The nature of the project would determine the skill level of the assigned officer and the number of hours required.

2.2. Preliminary Service Enquiry

Providing prospective connection applicants with specific information and advice in relation to the connection, process, and requirements associated with establishing a new or altered connection, or a relocation of existing network assets. This service is for initial advice and excludes more detailed investigations/advice which may subsequently be required from Strategic Planning Studies and Analysis and Process Facilitation.

2.3. Connection / Relocation Process Facilitation

Providing connection applicants with ongoing information and advice in relation to the connection process and requirements associated with establishing a new or altered connection or a relocation of existing network assets. This service is additional to the published instructions available to all applicants and is not a mandatory requirement of the connection process for standard connections to the distribution network ($\leq 11\text{kV}$). It would be recommended for first time contestable customers or customers with complex or challenging projects. The intent would be to help minimise project delays caused by customers not taking the required action at the optimum time in the process. This would be achieved by staff taking a proactive approach to communication and engagement with connection applicants. It is an essential requirement for major connection projects (greater than 10MW load or connected at $>11\text{ kV}$) because the process varies to meet particular project requirements (the electrical component potentially being a smaller but often critical part of a much larger project).

The form of this service includes, but is not limited to,

- > Project coordination activities;
- > One-on-one engagement to review project or process particulars;
- > Consultation of connection particulars;
- > Facilitation.

2.4. Connection Offer Service

Services provided by Essential Energy in assessing connection applications and making basic and standard connection offers.

This may include, without limitation:

- > Assessment of application by relevant staff and if the application is deemed to require a standard connection offer service, the application is allocated to Network Connections.
- > Network Connections is responsible for deriving the estimated loading on the electrical distribution network, technically known as the ADMD (After Diversity Maximum Demand). This estimate depends on such factors as the number of customers served and specific features of the customer's demand.
- > Once the ADMD is derived the customer is advised what is required to connect to the electrical distribution network. This could be one of the following methods of supply:
 - o A direct distributor from an existing substation,
 - o A direct distributor from a new kiosk substation,
 - o A direct distributor from a new pole mounted transformer substation,
 - o A direct distributor from a new chamber substation.
- > Once the assessment has been completed by Network Connections, relevant staff forward the assessment of the standard connection offer to the customer.

Service fees may be charged for connection applications which are incomplete or include non-compliant information.

2.5. Planning, Protection and Power Quality Studies

Planning / protection studies and associated technical analysis to determine suitable / feasible connection options for further consideration by proponents. The service applies mainly to large loads and generators where suitable connection options are not necessarily obvious and may result in potentially significant impacts on Essential Energy's existing network development strategies and augmentation requirements.

Power quality and load assessment investigations to determine suitability / feasibility of newly connected load or devices. Service includes field assessment, load and voltage recordings and technical analysis.

2.6. Additional Services Required by ASP / Connection Applicant

Additional services required by ASP/Applicant of technical nature directly related to the connection application e.g. guarantee of revenue, site meetings, variations to contract, consultations, network support, CT / switchboard services etc.

2.7. Data Gathering – Failure to Provide Documentation (NEW)

The completion of data gathering by Essential Energy due to the customer / proponent / ASP's failure to provide all required project completion documentation, within the required timeframe.

2.8. Pioneer Scheme Administration (NEW)

In accordance with the AER Connection Charge Guidelines, connection applicants may be required to contribute towards connections works which were previously funded by another customer.

Administrative fee applied to manage Pioneer Scheme applications. Where Essential Energy is required to:

- > Provides reimbursement calculations and coordinates the distribution of Shared Asset Payments to customers who funded the connection assets.
- > Operates and maintains all necessary registration and record keeping information.
- > Acts as the key contact to provide advice and support to applicants.

3. Contestable Network Commissioning & Decommissioning

3.1. Substation Commissioning

The commissioning by Essential Energy of a new substation, whether it is a single pole, pad mount/kiosk or indoor/chamber and includes:

- > all necessary pre-commissioning checks and tests prior to energising the substation via the high voltage switchgear and closing the low voltage circuit breaker, links or fuses; and
- > the setting or resetting of substation protection equipment.

An Access Permit fee, in addition, may be required to gain access to the network in order to undertake the commissioning.

Essential Energy will perform the required testing and commissioning activities as per current policies and the subsequent recording in Essential Energy's asset systems.

The substation commissioning charge will be applied per substation.

3.2. Testing & Commissioning of Streetlights, Mains, Cables & UG Pillars (NEW)

The completion of commissioning tests by Essential Energy of new electrical assets which form part of the contestable connection work including:

- > Overhead and Underground streetlight commissioning;
- > Overhead and Underground live low voltage connection - connection of distribution mains (other than completed under an AP);
- > Underground pillar box / pit commissioning;
- > Underground cable tests (IR / VLF Test).

Essential Energy will perform the required testing and commissioning activities as per current policies and the subsequent recording in Essential Energy's asset system.

3.3. Redundant Material Coordination (NEW)

Service associated with the management of returned redundant connection related materials and equipment such as poles, transformers and switchgear.

Material is to be returned by the relevant ASP to an approved Essential Energy depot.

3.4. Commissioning – Other Equipment (NEW)

The commissioning by Essential Energy of new reclosers, regulators or smart switches which form part of the contestable connection work including:

- > All necessary pre-commissioning checks and tests prior to energisation;
- > Setting of protective devices;
- > Configuration of communication equipment and
- > Field commissioning.

4. Access Permits, Oversight & Facilitation

4.1. Access Permits (AP)

This service fee includes network access and may include without limitation:

- > Access to Essential Energy's distribution network through the provision on an Access Permit issued to authorised personnel;
- > Researching, documenting and completion of a Network Access Request (NAR) including a site visit as required;
- > Documenting the actual switching process;
- > Programming the work;
- > Control room activities;
- > Fitting and removing of Access Permit earths;
- > The actual switching of the high and low voltage networks;
- > Notification of affected customers and NECF compliance (EE notified);
- > Cable ID, stab, cut and phase;
- > Reinstate network and testing;
- > Meeting requirements of the National Energy Retail Law (NSW) and the National Energy Retail Rules;
- > Travel costs.

The access permit charge is the maximum per access permit.

* Essential Energy may impose an additional overtime hourly rate for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs). Where Standard AP start or finish times are exceeded as a continuation of work, additional overtime hourly rates will be charged at applicable published labour classes.

Overtime may occur as a result of:

- > Failure to complete AP associated work within requested ordinary hrs;
- > Where an outage is requested outside of ordinary hrs (does not include when Essential Energy requires that the work be performed outside ordinary hours). In this situation the Overtime Access Permit Fee applies.

*** A rescheduled Access Permit Outage fee will be charged where an ASP cancels an outage request within 10 days lead time prior to the scheduled outage.**

Excludes - Provision of MG (Motor Generator) and Live Line to maintain supply where temporary supply arrangements are requested by an ASP and / or as prescribed in the design information requirements, to maintain a continued but temporary supply to otherwise impacted customers during contestable connection works. These are services are in addition and covered by another quoted service.

4.2. Access to Network Assets (Standby)

The provision of access to switch rooms, substations and the like to an ASP who is accompanied by a distributor's staff member. This service does not include site supervision or de-energisation of assets.

4.3. Sale of Approved Materials & Equipment to ASP's (NEW)

Provision of approved materials/equipment to ASPs for connection assets that will become part of the shared distribution network.

4.4. Services to supply and connect temporary supply to one or more customers

The provision of an MG (Motor Generator) connection to the network or a direct distributor and / or use of HV Line Live / LV Live Techniques when requested by an ASP and or as prescribed in the design information requirements to maintain a continued but temporary supply to otherwise impacted customers during contestable connection works. Service is in conjunction with, but in addition to access permits and clearance to work.

The costs of MG hire are not included as these are commercially available. Hire cost of providing generators are in addition to this service.

Note also, there is no allowance for Essential Energy to supply an MG standby technician if required. This would be covered as an additional service.

4.5. Rectification of contestable works (ASP Installed) (NEW)

Service to provide rectification of defective or non-conformant contestable work installed by accredited service provider (ASP). Where installation is not installed to relevant Essential Energy construction standards. The ASP will be required to cover costs associated with rectification works.

Situations include where construction non-conformances have been identified during construction inspection audits and / or:

- > the relevant ASP fails to rectify within nominated non-compliance action period;
- > the relevant ASP elects the rectification work is completed by the DSNP.

Rectification works may also be completed by the DSNP under fault and emergency situations, where rectification works is required to rectify safety issues or maintain electricity supply.

5. Notices of Arrangement and Completion Notices

5.1. Notice of Arrangement

Work of an administrative nature performed by a distributor where a local council requires evidence in writing from the distributor that all necessary arrangements have been made to supply electricity to a development.

This may include receiving and checking plans and easement documentation such as Section 88B Instruments and Transfer Granting Easements, copying plans and associated documentation, checking and recording easement details, preparing files for Conveyancing officers, liaising with developers if errors or charges are required, checking and receiving duct declarations and any amended linen plans and easement documentation approved by a conveyancing officer and preparing notifications of arrangement.

5.2. Request for Early Notice of Arrangement (NEW)

Work of an administrative nature performed by a distributor where a local council requires evidence in writing from the distributor that all necessary arrangements have been made to supply electricity to a development.

The NOA is issued before works are completed at the request of the ASP. The processing of the early NOA requires additional services in addition to a standard NOA.

5.3. Completion Notice – Other than Notice of Arrangement (NEW)

Provision of completion notice prior to issue of Notice of Arrangement. An ASP may request the DSNP to provide a "Completion Notice" to verify that the work have been completed and meet the DSNP's standards.

6. Network Related Property

6.1. Conveyancing Information

The provision of information regarding the availability of supply, presence of electrical equipment, proposals of new works and related information for property conveyancing purposes undertaken with or without any physical

inspection of a site, other than the provision of information or the answering of enquiries relating to any matter under Government Information (Public Act) Act Freedom of Information legislation.

6.2. Easement Processing – Conveyancing Review (NEW)

Work of a conveyancing nature performed by Essential Energy (or on behalf of Essential Energy) relating to review, rectification, certification and execution of easement documentation including but not limited to Transfer Granting Easements, Section 88B Instruments, Customer & Landowner Deeds, survey plans. Such work also includes administration work required in that process such as file preparation, record keeping, photocopying, scanning and dispatch of documentation. A separate fee may be charged for the review of separate documentation e.g. Customer Deed and Transfer Granting easement for the same easement is deemed to be two pieces of work.

6.3. Services Involved in Obtaining Deeds of Agreement

Services related to the acquisition of tenure over and access to DNSP assets associated with contestable connection works. New assets being connected to the network may be positioned on land not legally accessible to DNSP. To ensure DNSP has appropriate tenure and access to these new assets into the future, a Deed of Agreement is established in advance of connecting the new assets to facilitate the necessary execution of formal arrangements that create appropriate easement or lease arrangements to be registered on the land title deed.

6.4. Development Applications and Encroachment Processing (NEW)

Services relating to work performed by Essential Energy in providing comment to consent authorities, landowners and their consultants in relation to development applications as contemplated by the State Environmental Planning Policy (Infrastructure) 2007. In addition, work undertaken in the assessment of encroachments on Essential Energy's network is also included.

6.5. Crown Land Acquisition (NEW)

Work performed by Essential Energy (or on behalf of Essential Energy) relating to acquisition of crown land (including interests in land). Any work or services provided in acquiring the relevant interest through the compulsory acquisition process included but not limited to liaising with customer as to requirements, obtaining internal approvals, preparation, negotiation and execution of formal documentation, engagement of panel lawyer, liaising with panel lawyer, preparation of Ministerial submission including complying with legislative requirements, reviewing VG's determination, arranging required payments including seeking reimbursement from customer, reporting to customer and all matters relating to gazettal and registration. Services also include administration work required such as photocopying, scanning, emailing, accounting processes.

6.6. Legal Review Services – Customer Funded Works (NEW)

Work of a legal nature performed by Essential Energy (or on behalf of Essential Energy) relating to legal issues and activity arising from customer funded projects.

7. Site Establishment Services

7.1. Site Establishment

Site establishment services, including liaising with AEMO or market participants for the purpose of establishing NMIs in market systems, for new premises or for any existing premises for which AEMO requires a new NMI.

8. Network safety Services

8.1. Work near electrical assets – De-energisation of Mains (NEW)

This service provides de-energisation of Overhead and Underground mains where it has been identified that exclusion distances cannot be maintained.

Examples of work activities include vegetation clearing, construction work and operating cranes.

This service can include but not limited to:

- > Access to Essential Energy's distribution network through the provision on an Access Permit issued to authorised personnel or Issuing of Operating Agreement;

- > Researching, documenting and completion of a Network Access Request (NAR) including a site visit as required;
- > Documenting the actual switching process;
- > Programming the work;
- > Control room activities;
- > Fitting and removing of Access Permit earths or Low Voltage bonds (if required);
- > The actual switching of the High and Low voltage networks;
- > Notification of affected customers and NECF compliance (EE notified);
- > Reinstate network testing and commissioning;
- > Meeting requirements of the National Energy Retail Law (NSW) and the National Energy Retail Rules;
- > Travel costs.

Excludes - Provision of Essential Energy staff as an Authorised Access Permit Recipient. This service is in addition and would be covered under Site Safety Supervision service.

8.2. Work near electrical assets – Disable Auto Reclose (NEW)

Disabling of Auto Reclose (DAR) protection settings associated with Vegetation works near High Voltage Mains.

This service can include but not limited to:

- > Disabling of Auto Reclose Protection setting to allow works to be safely completed by authorised personnel to approved safety clearances as set within Essential Energy's safety rules;
- > Researching, documenting and completion of a Network Access Request (NAR) including a site visit as required;
- > Documenting the actual switching process (for field operations);
- > Programming the work;
- > Control room activities;
- > The actual switching of the High network;
- > Notification of affected customers and NECF compliance (EE notified);
- > Travel cost.

8.3. Provision of Traffic Control by the DSNP (NEW)

Provision of Traffic Control by Essential Energy where deemed required to meet worksite safety requirements. The provision of Traffic Control can be in conjunction with, but in addition to other requested services.

8.4. Site Safety Supervision (NEW)

Provision of field staff to perform site safety supervision to unauthorised personnel performing work near the DSNP's assets. Service may include Essential Energy staff performing the role of the Access Permit Recipient.

8.5. Provision of construction work by DSNP (NEW)

Provision of network related construction work by Essential Energy to facilitate construction (non-connection related) activities within clearances of the distribution network or assets.

Service includes physical and / or electrical isolation e.g. temporary removal or overhead mains to facilitate vegetation removal works.

The provision of construction staff can be in conjunction with but in addition to other requested services.

8.6. Warning Markers (NEW)

Installation of visual warning markers and temporary covers on overhead mains and service lines as requested by a third party. Can include rental or purchase of warning markers.

Services can include:

- > Tiger Tails installation;

- > Construction warning marker installation;
- > Design and installation of aerial markers.

NB. this does not include the installation of temporary covers (on de energised mains) by certain ASPs in association with their contestable work, in accordance with their Service Provider Authorisation, which is contestable work.

8.7. High Load Escorts

Temporary relocation, or other manners of making safe, of overhead mains for high vehicle loads and high load escorts.

9. Rectification Works to Maintain Network Safety

9.1. Vegetation Clearing of Private Trees Encroaching DSNP Assets (NEW)

Vegetation clearing of private trees which are encroaching within safe limits of Essential Energy's electrical network. Where the landowner is responsible for the vegetation management and fails to maintain the necessary safety clearances or where the customer elects Essential Energy to complete.

9.2. Inspection of Private Trees Encroaching DSNP Assets (NEW)

Inspection of private trees which are encroaching within safe limits of Essential Energy's electrical network.

9.3. Vegetation Clearing of Private Trees Encroaching Private Assets (NEW)

Vegetation clearing of private trees which are encroaching within safe limits of the customers private electrical aerial mains within bush fire prone areas or where a customer requires electricity supply for medical assistance (life support customer). Where the customer has been notified and fails to rectify, and the defect presents a community safety risk.

9.4. Rectification works by Essential Energy of Private Asset Aerial Mains Defects (NEW)

Rectification work completed by Essential Energy on Private aerial mains defects within bush fire prone areas or where a customer requires electricity supply for medical assistance (life support customer). Where the customer has notified and fails to complete and the defect presents a community safety risk.

9.5. Rectification works by Essential Energy of DSNP's Assets due to Landowner Encroachment Issues (NEW)

Rectification work undertaken by Essential Energy due to failure of a landowner to maintain electrical easement clearances (encroachment). And as a result, present a safety risks to the network / community or inhibit access to network infrastructure.

10. Retailer of Last Resort (ROLR)

10.1. Retailer of Last Resort (ROLR)

Preparing lists of affected sites, and reconciling data with AEMO listings; handling in-flight transfers; identifying open service orders raised by the failed retailer and determining actions to be taken in relation to those service orders; arranging estimate reads for the date of the ROLR event and providing data for final NUOS bills in relation to affected customers; preparing final invoices for NUOS and miscellaneous charges for affected customers; preparing final debt statements; extracting customer data, providing it to the ROLR and handling subsequent enquiries; handling adjustments that arise from the use of estimate reads; assisting the retailer with the provision of network tariffs to be applied and the customer move in process; administration of any 'ROLR cost recovery scheme distributor payment determination'.

11. Planned Interruption – Customer Requested

11.1. Planned Interruption – Customer Requested (NEW)

Where the customer requests to move a DSNP planned interruption and agrees to fund the additional cost of performing the associated planned distribution work outside of normal business hours.

12. Attendance at customers premises – Statutory Right

12.1. Attendance at customers premises – Statutory Right

Recovery of costs associated with gaining access to a customer premises under statutory law, in order to carry out necessary Essential Energy functions.

This task normally involves a meter technician returning to a customer's premises to undertake a service for a second time due to customer dissent during previous visits.

13. Inspection Services – Private Electrical installations and ASP's

13.1. Inspection of construction work (by level 1 ASP's)

The inspection by Essential Energy of work undertaken by an ASP accredited to perform Level 1 work, for the purpose of ensuring the quality of the assets to be handed over to Essential Energy.

13.2. Inspection of service work (level 2 ASP's)

The inspection by Essential Energy, in accordance with the DTIRIS Accredited Service Provider Scheme of work undertaken by a Level 2 ASP, for the purpose of ensuring the quality of assets to be handed over to Essential Energy.

13.3. Re-inspection of work of a service provider (level 1 & 2 ASP's work)

The re-inspection by Essential Energy of work (other than customer installation work) undertaken by an ASP accredited to perform level 1 or level 2 work, for the reason that on first inspection the work was found not to be satisfactory.

13.4. Re-inspection Customer Installation

The re-inspection by a DSNP of private electrical wiring work undertaken by an electrical contractor, required where the first inspection revealed defective work.

13.5. Investigation, review and implementation of remedial actions associated with work performed by ASP's

The investigation, review and implementation of remedial actions associated with contestable connection works, leading to corrective and disciplinary action against an ASP due to unsafe practices, substandard workmanship or other serious circumstances.

13.6. Substation Inspections (NEW)

The inspection by Essential Energy of substations installed by an ASP accredited to perform Level 1 work, for the purpose of ensuring the quality of the assets to be handed over to Essential Energy.

This service is in addition to other Level 1 inspection services, where substations have been installed as part of new contestable connection works.

13.7. Inspection service of privately owned electrical infrastructure (NEW)

The inspection by Essential Energy of privately owned low voltage or high voltage network infrastructure (i.e. privately-owned distribution infrastructure before the meter).

13.8. Inspect Installation (customers) (NEW) infrastructure (NEW)

Initial inspection by a DSNP of private electrical wiring work undertaken by an electrical contractor. Inspection of electrical work as submitted within the Certificate of Compliance for electrical work (CCEW), as required under the Electricity (Consumer Safety) Act 2004 and Electricity (Consumer Safety) Regulation 2015.

14. Provision of Training to 3rd parties for Network Related Access (NEW)

14.1. Access Permit Recipient Training for ASP's

Provision of Access Permit Recipient training as required for Essential Energy's ASP authorisation purposes.

14.2. ASP Compliance Related Training Services (NEW)

Provision of training services to ASP's which form part of ASP authorisation or compliance to Essential Energy's contestable systems and processes.

14.3. Provision of Training - Entry into Electrical Stations (NEW)

Provision of training and authorisation as required for entry within Essential Energy's electrical stations.

Legislation requires Essential Energy to control access to our electrical stations to suitably trained and authorised persons.

This course:

- > addresses the underpinning knowledge and outlines the responsibilities of people who are authorised to enter our electrical stations;
- > covers all electrical stations including zone substations, padmount and ground type substations;
- > acts as both an initial training and a refresher course, with refresher training being required every 2 years;
- > must be successfully completed for a person to become authorised including demonstrating required safe work practices, and the ability to identify and minimise risks whilst in these environments.

15. Security Lighting

15.1. Provision of Security Lighting (NEW)

Provision of security flood lighting (night watch) as requested of a customer to provide lighting to a private property. Service to include installation, maintenance and usage.

15.2. Provision of Luminaire Glare Shield (NEW)

Supply and installation of streetlight luminaire glare shield at customer's request.

16. Off-Peak Conversion

16.1. Off-Peak Conversion

The alteration of the off-peak metering equipment at a customer's premises for the purpose of changing the hours of the metering equipment's operation. A charge for this service may be levied for each occasion that the service is provided.

17. Authorisation of ASP's

17.1. Authorisation of ASP's

The initial issue and annual renewal of authorisation by Essential Energy of individual employees or sub-contractors of an ASP to carry out work on or near Essential Energy's distribution system.

This may include without limitation:

- > confirmation of accreditation and registration status with DTIRIS;

- > induction in the unique aspects of the network and associated Essential Energy's safety rules and access permit requirements;
- > verification that the applicant has undertaken the necessary regulatory safety training (resuscitation etc.) within the last 12 months;
- > issuing authorisation cards;
- > administration support directly related to authorisation.

17.2. ASP Authorisation Agreement

Authorisation of ASP Entity:

Includes the initial and annual renewal of ASP authorisation agreement by Essential for ASP entities to carry out work on or near Essential Energy's distribution system.

This may include without limitation:

- > Confirmation of entity accreditation status with the NSW ASP Scheme;
- > Induction in the unique aspects of the network;
- > Verification of authorised person associated with the entity;
- > Confirmation that the entity has provided all necessary documentation for ASP entity authorisation;
- > Acknowledged compliance with authorisation agreement;
- > Administration support directly related to the entity authorisation agreement.

18. Customer Initiated Asset Relocations

18.1. Design and construction of asset relocations – customer funded (NEW)

Design and construction of customer funded (contestable) asset relocations by Essential Energy in circumstances where:

- > the relocation works was initiated by a third party (including a customer); or
- > could impact the safety or security of the network.

19. Termination of cable at Zone Substation – Distributer Required Performance

19.1. DSNP Provided cable jointing & termination services for contestable work (NEW)

Provision of Essential Energy staff to perform cable terminations / joints for contestable works where:

- > a work health and safety assessment determines that an ASP should not be given the required access to the zone substation; and
- > the connection is fully dedicated to the specific customer connecting

Service is in conjunction with but in addition to access permits and clearance to work.

Metering Services

1. Special Meter Reading and Testing (legacy meters)

1.1. Move in / Move out Read

B2B service orders from retailers to obtain a final read for customer move-outs or to obtain a start read where a customer is moving into a site that has been vacant.

These services are additional to the special meter reading, disconnection/reconnection and testing services.

Charges may also be levied due to a number of reasons, such as, but not limited to the following:

- > Unable to access main switch board or metering;
- > Safety of installation or Essential Energy's employee;
- > Late cancellation by retailer;
- > Reconnection/disconnection for short periods, such as for holiday homes.

1.2. Special Meter Read (including wasted visit)

This service has the same meaning as the meaning given to the expression 'special meter reading' in the AEMO Metrology Procedure: Part A National Electricity Market.

Essential Energy may be notified to conduct this service via the use of the 'Special Read' B2B service order. It excludes any special meter reading of metering installation types 1 to 4, which is an unregulated distribution service, but subject to a 'light-handed' form of control under Independent Pricing and Regulatory Tribunal of NSW (IPART) Rule 2004/1 Regulation of Excluded Distribution Services; and applies in each of the following circumstances:

- > where a customer or a retailer requests Essential Energy to undertake a special meter read, (but does not apply where the special meter read was requested solely to verify the accuracy of a scheduled meter read and the special meter read reveals that the scheduled meter read was inaccurate or in error); or
- > where Essential Energy attends a customer's premises for the sole purpose of discharging Essential Energy's obligation to read the customer's meter within the period specified by law (but not where Essential Energy merely chooses to read the customer's meter without being under a legal obligation to do so) and on attending the customer's premises Essential Energy is unable (through no act or omission of Essential Energy), to gain access to the meter; or
- > where Essential Energy and the customer agree on an appointed time at which Essential Energy may attend the customer's premises to enable Essential Energy to discharge Essential Energy's legal obligation referred to in the above paragraph and when Essential Energy attended at the customer's premises at the appointed time Essential Energy (through no act or omission), was unable to gain access to the customer's meter.

Essential Energy will not levy a charge for this service where the service reveals that a scheduled meter reading was inaccurate (as outlined above).

1.3 & 1.4 Special Meter Test – 1st & additional

The testing of a single Essential Energy meter in accordance with AEMO Metrology Procedure: Part A National Electricity Market. Essential Energy may be notified to conduct this service via the use of the 'Meter Investigation' sub type ' Meter Test' B2B service order. It excludes metering installation types 1 to 4, the testing of which is an unregulated distribution service, but subject to a 'light-handed form of control under IPART Rule 2004/1 Regulation of Excluded Distribution Services.

If the meter test is undertaken on premises serviced by more than one meter associated with the NMI the following applies:

- > if the meter test reveals that all of the meters associated with the NMI are operating satisfactorily, Essential Energy will charge for each meter that a test was requested for; and
- > if the meter test reveals that one or more of the meters associated with the NMI are not operating satisfactorily, Essential Energy will not levy any charge for the provision of the service.

Test results will be provided to the party requesting the meter tests in a standard Essential Energy format.

'Meter Test – 1st meter' charge will apply to the first meter tested for a NMI, all subsequent tests at the same NMI will be charged 'Meter Test – each additional meter charge.

1.5 Special Meter Test – CT Meter (NEW)

The testing of a single CT Essential Energy meter in accordance with AEMO Metrology Procedure: Part A National Electricity Market. Essential Energy may be notified to conduct this service via the use of the 'Meter Investigation' sub type ' Meter Test' B2B service order. It excludes metering installation types 1 to 4, the testing of which is an unregulated distribution service, but subject to a 'light-handed form of control under IPART Rule 2004/1 Regulation of Excluded Distribution Services.

If the meter test is undertaken on premises serviced by more than one meter associated with the NMI the following applies:

- > if the meter test reveals that all of the meters associated with the NMI are operating satisfactorily, Essential Energy will charge for each meter that a test was requested for; and
- > if the meter test reveals that one or more of the meters associated with the NMI are not operating satisfactorily, Essential Energy will not levy any charge for the provision of the service.

Test results will be provided to the party requesting the meter tests in a standard Essential Energy format.

2. Emergency Maintenance of Failed Metering Equipment (Retailer Owned)

2.1. Unplanned Outage – Meter Fault (Site Attendance) (NEW)

Site attendance by Essential Energy to an unplanned outage. Where it is determined that the cause of the fault is directly related to failure or incorrect installation of metering equipment not owned by Essential Energy.

Site attendance required by Essential Energy staff to determine the cause of the interruption.

Service may include the completion of temporary supply arrangements (bypass) and notification to retailer / metering coordinator. This may result in an unmetered supply arrangement at the site.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

2.2. Unplanned Outage – Meter HW Fault (Site Attendance) (NEW)

Site attendance by Essential Energy to an unplanned hot water outage (No HW). Where it is determined that the cause of the fault is directly related to failure or incorrect installation of metering equipment not owned by Essential Energy.

Site attendance required by Essential Energy staff to determine the cause of the interruption.

Service may include the completion of temporary supply arrangements (bypass) and notification to retailer / metering coordinator.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

2.3. Unplanned Outage – Retailer Outage Impacting Non-Retailer Customer (Site Attendance) (NEW)

Site attendance by Essential Energy to an unplanned outage. Where it is determined that the un notified customers have been incorrectly isolated by a MC.

Site attendance required by Essential Energy staff to determine the cause of the interruption to un-notified customers.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

2.4. Unplanned Outage – Remote De-Energisation (Site Attendance) (NEW)

Site attendance by Essential Energy to an unplanned outage where it is determined that incorrect isolation by remote de-energisation has caused an interruption to un notified customers.

Site attendance required by Essential Energy staff to determine the cause of the interruption.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

3. Meter Recovery and Disposal – Type 5 & 6 (Legacy Meters) (NEW)

3.1. Redundant Meter Disposal (NEW)

Service to manage and dispose of recovered redundant Type 5 and 6 Meters removed by a metering coordinator. Meters to be returned to an Essential Energy nominated storage facility or depot.

4. Distributer Arranged Outage for the Purpose of Replacing Meter

4.1. Retailer Requested Distributer Planned Interruption – Cancellation after Notification (NEW)

Retailer requested Essential Energy notification of customers configured on shared fuse arrangements (non-retailer customers), to facilitate the replacement of retailer owned metering equipment.

Service to complete to customer notifications and attend site for isolation, however retailer / MC cancels outage service order prior to planned interruption day. - no site attendance by EE.

4.2. Retailer Requested Distributer Planned Interruption – Initial Visit (NEW)

Retailer requested Essential Energy notification of customers configured on shared fuse arrangements (non-retailer customers), to facilitate the replacement of retailer owned metering equipment.

Initial site visit by Essential Energy staff to determine customers impacted by shared fuse isolation.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

4.3. Retailer Requested Distributer Planned Interruption – Isolation Completed (NEW)

Retailer requested Essential Energy notification of customers configured on shared fuse arrangements (non-retailer customers), to facilitate the replacement of retailer owned metering equipment.

Service to complete to customer notifications and Essential Energy staff to attend site for isolation for up to 1 hr. Additional labour charges may apply to isolations which require Essential Energy staff to attend site beyond the 1 hr allocation.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

4.4. Retailer Requested Distributer Planned Interruption – Early Cancellation (NEW)

Retailer requested Essential Energy notification of customers configured on shared fuse arrangements (non-retailer customers), to facilitate the replacement of retailer owned metering equipment.

Service to complete to customer notifications and attend site for isolation, however MC cancels outage post customer notification - no site attendance required by EE.

4.5. Retailer Requested Distributer Planned Interruption – MC No Attendance (NEW)

Retailer requested Essential Energy notification of customers configured on shared fuse arrangements (non-retailer customers), to facilitate the replacement of retailer owned metering equipment.

Service to complete to customer notifications and attend site for isolation, however MC does not attend site - wasted site visit by EE.

* Essential Energy will impose an overtime fee for services provided outside the hrs of 7:30am - 4:00pm Mon - Fri (ordinary hrs).

5. Customer Requested Provision of Additional Metering Consumption Data

5.1. Provision of Metering Consumption Data (NEW)

At the request for metering or consumption data by a customer or authorised agent working on behalf of the customer.

Service is to provide metering or consumption data in excess to that provided as regulatory required.

Connection Services

1. Premises Connection Assets

1.1. Part A. Design & Construction of Connection Assets (NEW)

Design and construction of premise connection assets which are undertaken by a customer (where these services are provided contestably).

1.2. Part C. Part Design and Construction of Connection Assets (NEW)

Part design and construction of connection assets where a customer requests that connection assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies), and where those works are designed and constructed by the distributor (as a result of safety, reliability or security reasons).

2. Extensions

2.1 Part A. Design & Construction of Extensions (NEW)

Design and construction of extensions assets which are undertaken by a customer (where these services are provided contestably).

3. Augmentations

3.1. Part C. Design & Construction of Augmentations (NEW)

Design and construction of augmentation assets which are undertaken by a customer (where these services are provided contestably).

3.2. Part D. Part Design & Construction of Augmentations (NEW)

Design and construction of shared network enlargement/enhancement. Where undertaken by a distributor where a customer requests that assets are designed and constructed to an increased standard (beyond that required by the distributors' standards and policies).

4. Reconnections / Disconnections

4.1. Disconnect / Reconnect – Vacant Premise

At the request of the retailer, a site visit to a customer's premises to disconnect or reconnect the supply of electricity due to:

- > a vacant premise; or
- > a site where the power is on.

If, following a request from a retailer, the reconnection component of this service is provided outside the hours of 7.30am and 5.00pm on a working day, the additional 'Reconnection - outside normal business hours' charge, will apply.

The disconnection/reconnection method will be at Essential Energy's discretion and will involve one of the following methods:

- > rotate plug in meter; or
- > removal of the service fuses; or
- > removal of barge board fuses; or
- > turn off and sticker covering main switch; or
- > turn off and tag and leave card.

4.2. Disconnect / Reconnect – (Site visit only)

A site visit to a customer's premises for the purpose of disconnecting or reconnecting the customer's supply at the request of a

retailer. Disconnection or reconnection does not occur on that occasion, as customer payment is made or it is a wasted visit.

Disconnection may not occur due to a number of reasons such as but not limited to the following:

- > Unable to access main switch board or metering;
- > Breach of Customer Connection Contract has been rectified;
- > Safety of installation or Essential Energy's employee;
- > Late cancellation by retailer;
- > Change of customer or retailer for the NMI.

A site visit may also be charged for reconnections and other retailer requests due to a number of reasons such as but not limited to the following:

- > Unable to access main switch board or metering;
- > Safety of Installation or Essential Energy's employee;
- > Late cancellation by retailer.

4.3. Disconnect / Reconnect – Pole top / Pillar

A site visit to a customer's premises to disconnect or reconnect the supply of electricity to a customer at the pole top or pillar box, for breach by the customer of their customer retail contract, or for a breach of Essential Energy's customer connection contract, or where a retailer supplier has requested that the supply to a customer be disconnected, where the customer has denied access to the meter or had prior to the visit, reconnected supply without authorisation by Essential Energy following a previous disconnection.

If following a request from a retailer the reconnection component of this service is provided outside the hours of 7.30am and 4.00pm on a working day, the additional 'Reconnection - outside normal business hours' charge, will also apply.

Disconnection may not occur due to a number of reasons such as but not limited to the following:

- > Customer has paid retail bill;
- > Breach of customer connection contract has been rectified;
- > Safety of Installation or Essential Energy's employee;
- > Late cancellation by retailer;
- > Change of customer or retailer for the NMI.

In the cases listed above a 'Disconnection/Reconnection – Site Visit' charge will be applied.

4.4. Disconnect / Reconnect – Complete

At the request of the retailer, a site visit to a customer's premises to disconnect or reconnect the supply of electricity to a customer for breach by the customer of their customer retail contract or for a breach of Essential Energy's customer connection contract, or where a retailer has requested that the supply to the customer be disconnected.

The disconnection / reconnection method will be at Essential Energy's discretion and will involve one of the following methods:

- > rotate plug in meter; or
- > removal / installation of the service fuses; or
- > removal / installation of barge board fuses; or
- > turn off / on and sticker covering main switch; or
- > turn off / on and tag and leave card.

If, following a request from a retailer, the reconnection component of this service is provided outside the hours of 7.30am and 5.00pm on a working day, the additional 'Reconnection - outside normal business hours' charge, will apply.

4.5. Disconnection – Technical Disconnection

At the request of the retailer, a site visit to a customer's premises to disconnect or reconnect the supply of electricity to a customer for breach by the customer of their customer retail contract or for a breach of Essential Energy's customer connection contract, or where a retailer has requested that the supply to the customer be disconnected.

The disconnection / reconnection method will be at Essential Energy's discretion and will involve a method not identified as a disconnection method for Disconnection/Reconnection – Disconnection completed (e.g. pull load tail out of meter).

If, following a request from a retailer, the reconnection component of this service is provided outside the hours of 7.30am and 5.00pm on a working day, the additional 'Reconnection - outside normal business hours' charge, will apply.

4.6. Reconnect – Outside of Normal Business Hours

At the request of the retailer:

- > The provision of the reconnection component of either a 'De-energisation' sub type 'Remove Fuse (Non-Payment) or Pillar-Box Pit or Pole-Top (Non-Payment)' B2B service order, carried out, outside the hours of 7.30am and 5.00pm on a working day, or
- > the reconnection of electricity to a new customer outside the hours of 7:30am and 5:00pm on a working day
- > Essential Energy may be notified to conduct this service via the use of the 'Re-energisation' B2B service order.

4.7. Illegal Connections

Work undertaken by Essential Energy to the property of Essential Energy or to the property of another person in order to:

- > investigate
- > de-energise and/or make safe the assets,
- > inspect the assets following repair.

Following conduct that constitutes an offence under Part 6, Division 1 of the Electricity Supply Act 1995 (NSW). For example, to rectify an unauthorised connection to Essential Energy's distribution system.

The assets will remain de-energised until an ASP has repaired the damaged assets (at the customer expense) and Essential Energy has inspected the repaired assets.

5. Non-Standard Connection Services

5.1. Non-standard Connection Services

Customer requested connection services include:

- > asset relocations;
- > mains conversions;
- > work deemed non-contestable due to safety or security reasons (where the connection is fully dedicated to the specific customer) i.e. within a zone substation;
- > inspection, maintenance and testing (including F&E) of customer assets including HV assets;
- > included both sub transmission and distribution assets.

VERSIONS

Version 1 (V1)