

Energex

Tariff Schedule

1 July 2013 to 30 June 2014



positive energy

Version Control

Version	Date	Description
1	05/06/13	Published on Energex website.
2	14/06/13	Minor changes throughout document. Change in Table 3.3. to the PeakSmart ToU Terms and Conditions to include details of Energex's assignment policy in cases where a customer who is eligible for the customer becomes ineligible. Change in Appendix 1 to clarify the explanatory notes for the kVA calculation methodology formula. Reissued and published on Energex website.
3	28/06/13	Change to Fee-Based Services details in Appendix 2: "Supply Abolishment – Simple", Product Code SA3 – change to price; "Re-energisation – BH" Product Code: RNRR – change to product code. Reissued and published on Energex website.
4	04/10/13	Table 3.1 wording change for NTC9700 & NTC9800, update of Appendix 5 – Tariff class assignment review process. Table A-2.1 price included for Product Code AAMM1M and AAMM2M (Prices effective November 1 st 2013).
5	31/12/13	Minor changes to wording in boxes at the bottom of Figure 2.1. Title of Table 3.1 changed from "proposed" to "approved"
6	04/02/14	Figure 2.1- Entry point of flowchart for generation customers box changed so that first question asked is "Is consumption > 100MWh per annum?" + Minor changes to wording in boxes at the bottom of the figure.



Energex Limited trading as Energex
ABN 40 078 849 055
26 Reddacliff Street
NEWSTEAD QLD 4006

<http://www.energex.com.au>

Requests and inquiries concerning this document should be addressed to:

Pricing Manager
Energex
GPO Box 1461
BRISBANE QLD 4001

Table of Contents

TABLE OF CONTENTS.....	II
LIST OF TABLES.....	IV
LIST OF FIGURES	IV
1. INTRODUCTION.....	1
2. ASSIGNING AND RE-ASSIGNING CUSTOMERS TO TARIFF CLASSES.....	2
2.1 Standard Control Services	2
2.1.1 Tariff classes.....	2
2.1.2 Determining the applicable tariff class	2
2.1.3 Assigning and re-assigning SCS customers to tariff classes	3
2.1.4 Reviewing SCS tariff class assignment or re-assignment	3
2.2 Alternative Control Services	6
2.2.1 Tariff classes.....	6
2.2.2 Assigning and re-assigning ACS customers to tariff classes	6
3. NETWORK TARIFFS – SCS	8
3.1 2013/14 network tariffs	8
3.2 Changes to tariffs from previous regulatory year	10
3.2.1 Other changes from previous regulatory year	11
3.3 Terms and conditions.....	11
3.4 Straight kVA pricing for large customers	11
4. NETWORK TARIFFS – ACS	17
4.1 Street lighting services.....	17
4.1.1 Terms and conditions.....	17
4.2 Fee-based services.....	17
4.3 Quoted services.....	19
5. OTHER SERVICES.....	20
5.1 Watchman lights	20
5.2 Other Business-2-Business services.....	20
6. APPENDICES	21
6.1 Table of contents (Appendices).....	21
6.2 List of tables (Appendices)	21
6.3 List of equations and figures (Appendices)	21
APPENDIX 1 - KVA CALCULATION METHODOLOGY	A-1
APPENDIX 2 - FEE-BASED SERVICES PRODUCT CODES	A-3
APPENDIX 3 - QUOTED SERVICES PRODUCT CODES	A-12

APPENDIX 4 - ADDITIONAL BUSINESS-2-BUSINESS CODES.....	A-22
APPENDIX 5 - TARIFF CLASS ASSIGNMENT REVIEW PROCESS	A-26
APPENDIX 6 - GLOSSARY.....	A-30
Appendix 6.1 - Acronyms and abbreviations	A-31
Appendix 6.2 - Measurements.....	A-33
Appendix 6.3 - Definitions	A-34

List of Tables

Table 3.1 - 2013/14 SCS tariff charges (proposed DUOS charges, DPPC and NUOS charges)	9
Table 3.2 - Changes to tariffs for 2013/14.....	10
Table 3.3 - Descriptions of SCS tariffs and details of terms and conditions	12
Table 4.1 - 2013/14 Prices for street lighting services.....	17
Table 4.2 - 2013/14 Prices for fee-based services	18
Table 4.3 - 2013/14 Prices for quoted services.....	19
Table 5.1 - 2013/14 Charges for watchman lights.....	20

List of Figures

Figure 2.1 - Assignment of customers to SCS tariff classes (Flowchart A)	4
Figure 2.2 - Assignment of customers to SCS tariff classes (Flowchart B)	5
Figure 2.3 - Assignment of customers to ACS tariff classes	7

1. Introduction

NATIONAL ELECTRICITY RULES REQUIREMENT

Clause 6.18.9 Publication of information about tariffs and tariff classes

- (a) A Distribution Network Service Provider must maintain on its website:
 - (1) a statement of the provider's tariff classes and the tariffs applicable to each class.

This document is Energex's Tariff Schedule for 2013/14. It has been prepared for the fourth year of Energex's 2010 – 2015 Regulatory Control Period in accordance with Clause 6.18.9(a)(1) of the National Electricity Rules (the *Rules*). As per the *Rules*, the document outlines Energex's tariffs and charges for direct control services, comprising Standard Control Services (SCS) and Alternative Control Services (ACS), for the period from 1 July 2013 to 30 June 2014.

For SCS, the Network Use of System (NUOS) charges, incorporating Distribution Use of System (DUOS) charges and Designated Pricing Proposal Charges (DPPC)¹, are provided. For ACS, charges for the provision of street lights, fee-based services and quoted services are provided. Quoted services are performed on a Price on Application (POA) basis.

This Tariff Schedule also provides information on how Energex assigns customers to tariff classes and the internal review process.

This Tariff Schedule applies from 1 July 2013.

This document supports Energex's 2013/14 Pricing Proposal² which contains additional information about network pricing, including tariffs and charges and was approved by the Australian Energy Regulator (AER), on 31 May 2013.

¹ DPPC (Designated Pricing Proposal Charges) is new terminology for what was previously known as Transmission Use of System (TUOS) Charges.

² Energex's 2013/14 Pricing Proposal, as approved by the AER, is available on the AER's website at <http://www.aer.gov.au/node/1107>.

2. Assigning and re-assigning customers to tariff classes

Energex's network tariff classes have been designed to group similar customers together according to voltage level, customer size and usage profiles, and connection characteristics. The underpinning characteristics of the existing tariff classes broadly reflect the costs associated with provision of service to those customers within the tariff class.

Each tariff class consists of a grouping of individual tariffs that are established on the same basis as the tariff classes. This ensures there are not an excessive number of tariffs and available tariffs are clear and easily understood. Ultimately, this minimises transaction costs that may be incurred by customers from switching between tariffs and by Energex in managing the provision of an excessive number of tariffs.

All customers who take supply from Energex for direct control services are a member of at least one tariff class. To access the appropriate tariff within the tariff class, all customers with metered supply must have suitable metering installed. A National Metering Identifier (NMI) will be assigned to each connection point and the applicable tariff/s will be applied to the NMI.

Direct control services comprise SCS and ACS. For the 2010–15 Regulatory Control Period³, the AER has classified network services, connection services and metering services as SCS; and, fee-based services, quoted services and street lighting, are classified as ACS. Where a customer has both SCS and ACS supplied, they may be a member of two or more tariff classes.

2.1 Standard Control Services

2.1.1 Tariff classes

For SCS, the following Energex tariff classes apply:

- Individually Calculated Customer (ICC)
- Connection Asset Customer (CAC) – 33 kV; 11 kV Bus; 11 kV Line
- Embedded Generator (EG)
- Standard Asset Customer (SAC) Demand
- SAC Non-Demand.

2.1.2 Determining the applicable tariff class

The following customer characteristics are taken into account by Energex when determining the applicable tariff class for a customer:

- energy consumption and/or demand

³ AER, 2010. Energex - Distribution determination 2010-11 to 2014-15, 4 May 2010. <http://www.aer.gov.au/sites/default/files/Queensland%20determination%20-%20Energex.pdf>.

- voltage level
- nature of the connection.

In addition to the above, the following guidelines apply:

- Allocation of a customer with micro-generation facilities to a tariff will be made on the same basis as other connections. Details of this policy are included in Energex's 2013/14 Pricing Proposal⁴
- Where a new tariff is applied to a customer, it is standard practice to apply the tariff from the next billing period
- For new connections with no previous load history, the Default Tariff is based on their expected energy usage, supply voltage and meter type
- Instead of the Default Tariff, a customer will be assigned to a specific tariff for which they are eligible if requested by their electricity retailer or electrical contractor
- Assignment of customers to tariff classes is reviewed periodically to assess if the tariff assignment is still applicable, given potential changes in annual usage. A change in connection voltage means that the connection is treated as if it is a new connection and the process in Figure 2.1 and Figure 2.2 will be followed to assign the customer to a suitable tariff class.

2.1.3 Assigning and re-assigning SCS customers to tariff classes

The procedure for assigning and re-assigning customers to tariff classes relates specifically to the application of mandated tariffs. Customers who have chosen to participate in a tariff trial will not normally be subject to this review process.

The process for assigning customers to tariff classes (and applicable network tariffs) for SCS is outlined in Figure 2.1 and Figure 2.2. As depicted, within each tariff class there are a number of tariffs available; typically, a specific tariff will be applied to customers within the same tariff class.

Further information on tariff class assignment and re-assignment is provided in Energex's 2013/14 Pricing Proposal⁵.

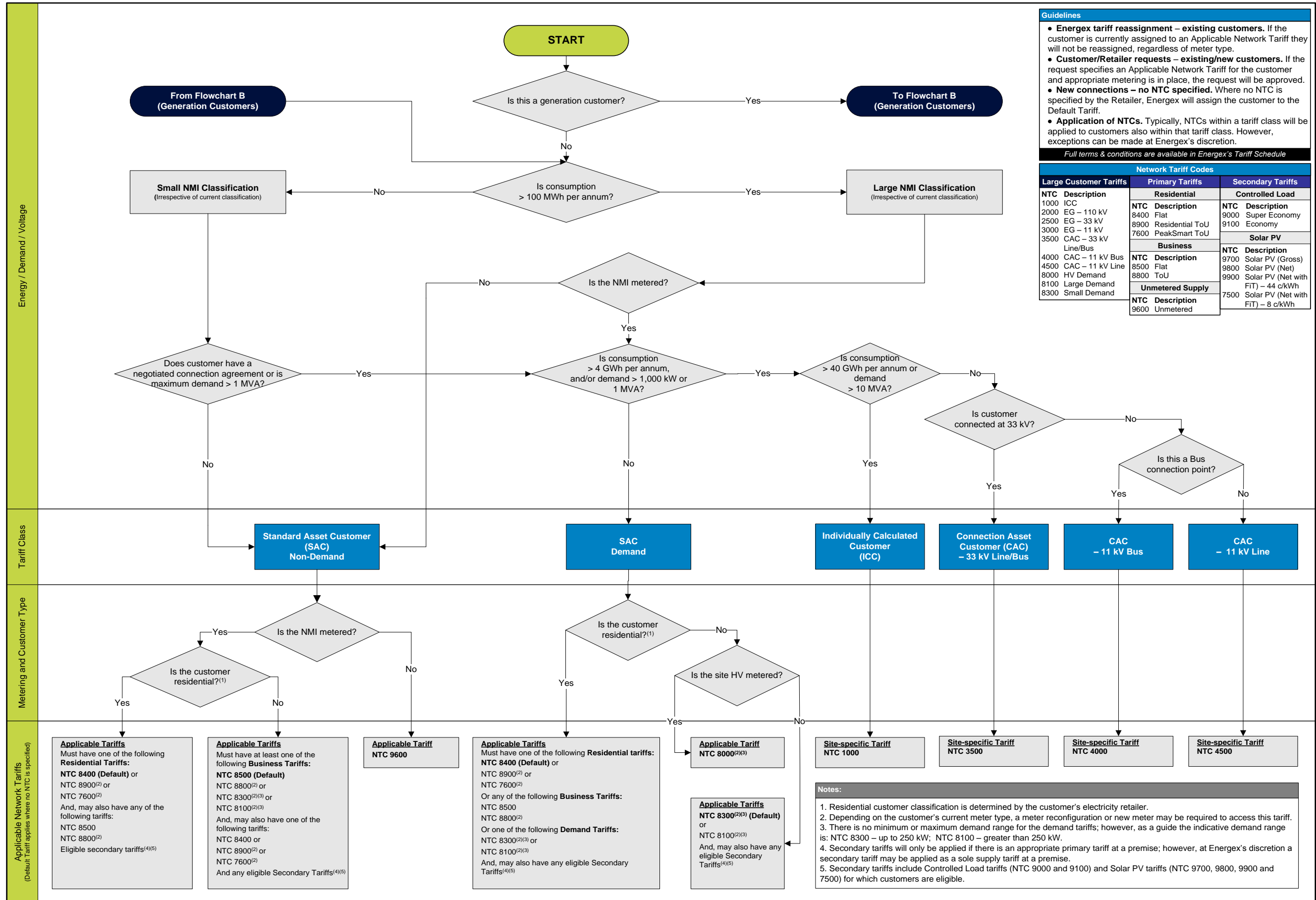
2.1.4 Reviewing SCS tariff class assignment or re-assignment

Customers (and their retailer) will be notified of the tariff class to which they have been assigned or re-assigned. If a customer requests a review of the proposed assignment or re-assignment, Energex will reconsider the request in accordance with the process outlined in Appendix 5.

⁴ Refer to Footnote 2.

⁵ Refer to Footnote 2.

Figure 2.1 - Assignment of customers to SCS tariff classes (Flowchart A)



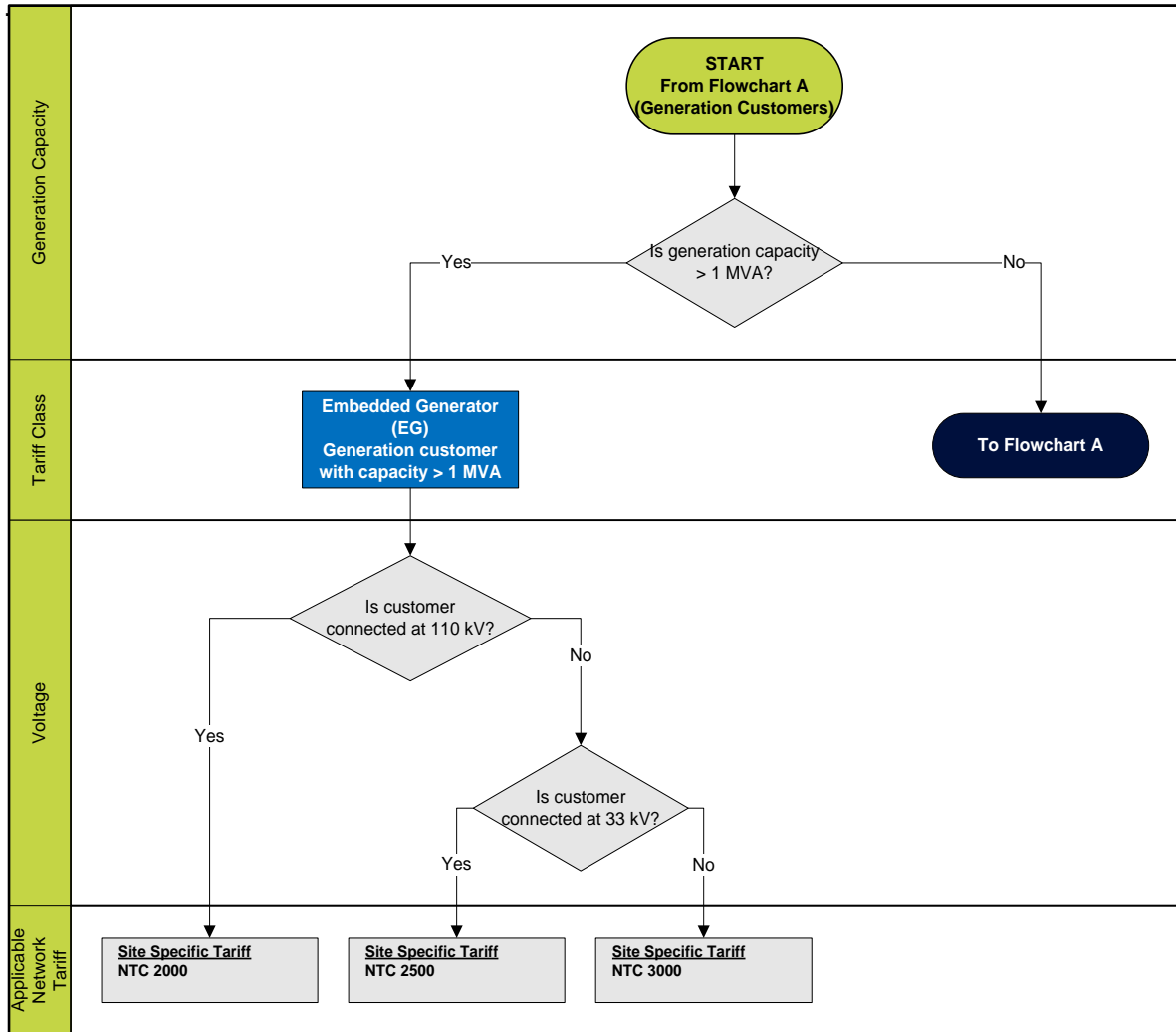
Guidelines

- EnergeX tariff reassignment – existing customers.** If the customer is currently assigned to an Applicable Network Tariff they will not be reassigned, regardless of meter type.
- Customer/Retailer requests – existing/new customers.** If the request specifies an Applicable Network Tariff for the customer and appropriate metering is in place, the request will be approved.
- New connections – no NTC specified.** Where no NTC is specified by the Retailer, EnergeX will assign the customer to the Default Tariff.
- Application of NTCs.** Typically, NTCs within a tariff class will be applied to customers also within that tariff class. However, exceptions can be made at EnergeX's discretion.

Full terms & conditions are available in EnergeX's Tariff Schedule

Network Tariff Codes		
Large Customer Tariffs	Primary Tariffs	Secondary Tariffs
NTC Description 1000 ICC 2000 EG – 110 kV 2500 EG – 33 kV 3000 EG – 11 kV 3500 CAC – 33 kV Line/Bus 4000 CAC – 11 kV Bus 4500 CAC – 11 kV Line 8000 HV Demand 8100 Large Demand 8300 Small Demand	Residential NTC Description 8400 Flat 8900 Residential ToU 7600 PeakSmart ToU Business NTC Description 8500 Flat 8800 ToU Unmetered Supply NTC Description 9600 Unmetered	Controlled Load NTC Description 9000 Super Economy 9100 Economy Solar PV NTC Description 9700 Solar PV (Gross) 9800 Solar PV (Net) 9900 Solar PV (Net with FIT) – 44 c/kWh 7500 Solar PV (Net with FIT) – 8 c/kWh

Figure 2.2 - Assignment of customers to SCS tariff classes (Flowchart B)



2.2 Alternative Control Services

2.2.1 Tariff classes

There are three ACS tariff classes that are based on the type of service a customer requires:

- Street lighting services
- Fee-based services
- Quoted services.

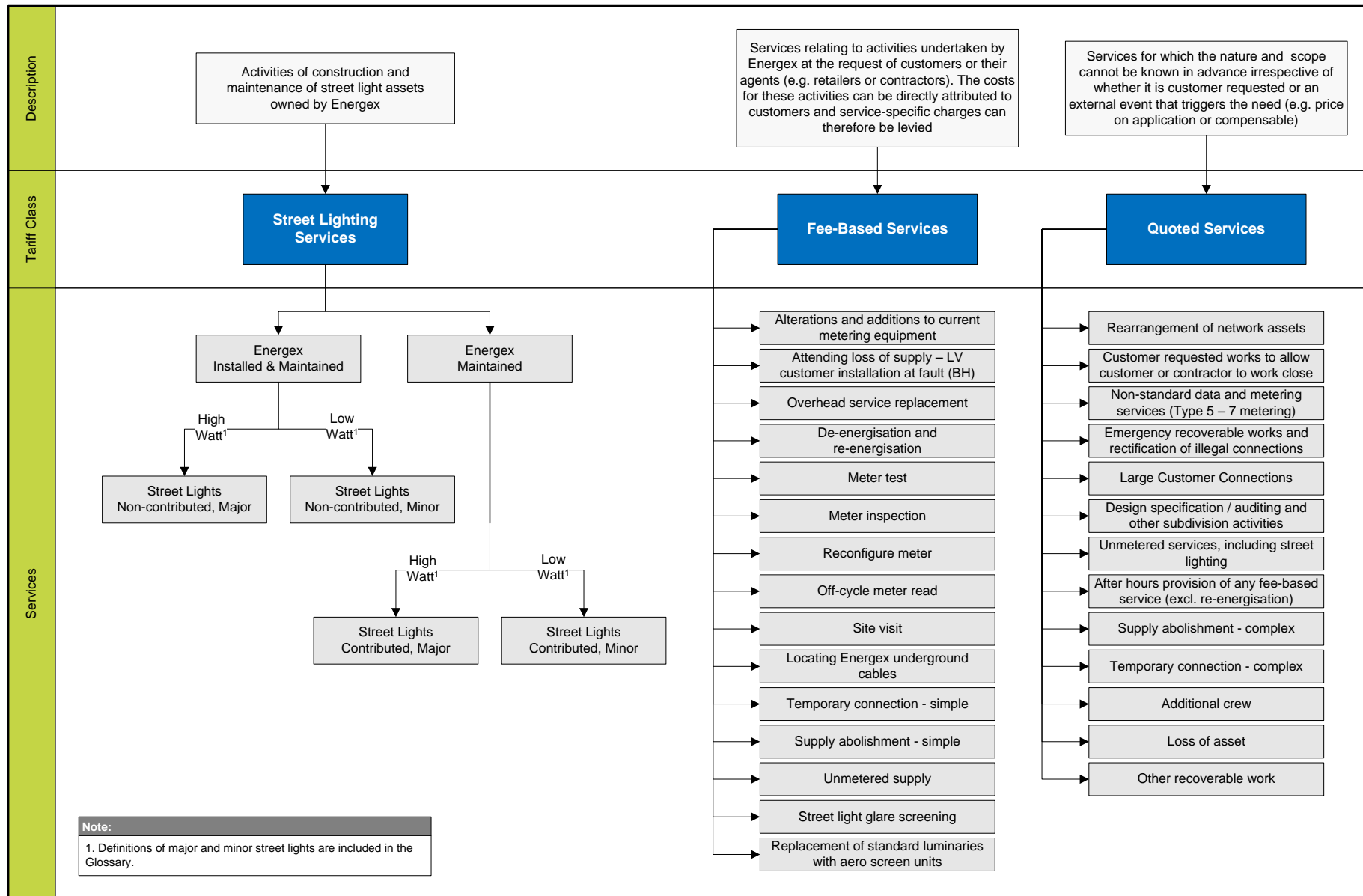
2.2.2 Assigning and re-assigning ACS customers to tariff classes

The process for assigning a customer to a tariff class for ACS is outlined in Figure 2.3.

Further information on tariff class assignment and re-assignment is provided in Energex's 2013/14 Pricing Proposal.⁶

⁶ Refer to Footnote 2.

Figure 2.3 - Assignment of customers to ACS tariff classes



3. Network tariffs – SCS

3.1 2013/14 network tariffs

Network tariffs comprise:

- DUOS charges – incurred for use of the Energex distribution network; and
- DPPC – incurred for use of the Powerlink transmission network.

The NUOS tariff represents the sum of DUOS charges and DPPC and is the total network tariff that may be represented on a customer's bill.

The 2013/14 DUOS charges and DPPC, and NUOS charges for SCS tariffs are provided in Table 3.1.

Table 3.1 - 2013/14 SCS tariff charges (Approved DUOS charges, DPPC and NUOS charges)

Tariff Class	Tariff Description	NTC	DUOS Charges ¹								DPPC Charges ¹						NUOS Charges ¹													
			Fixed (\$/day)	Capacity (\$/kVA/ month)	Demand (\$/kVA/ month)	Demand (\$/kW/ month)	Volume Flat (c/kWh)	Off Peak Volume (c/kWh)	Shoulder Volume (c/kWh)	Peak Volume (c/kWh)	Fixed (\$/day)	Demand (\$/kW/ month)	Volume Flat (c/kWh)	Off Peak Volume (c/kWh)	Shoulder Volume (c/kWh)	Peak Volume (c/kWh)	Fixed (\$/day)	Capacity (\$/kVA/ month)	Demand (\$/kVA/ month)	Demand (\$/kW/ month)	Volume Flat (c/kWh)	Off Peak Volume (c/kWh)	Shoulder Volume (c/kWh)	Peak Volume (c/kWh)						
ICC	ICC	1000	ICC tariffs are confidential.																											
CAC	CAC - 33kV Line/Bus	3500		1.091	2.664				0.065		0.089				1.159			0.140		0.140				1.091	2.664	1.159		0.205		0.229
	CAC - 11kV Bus	4000	Site-specific prices are confidential.	2.111	4.303				0.065		0.089				1.159			0.140		0.140				2.111	4.303	1.159		0.205		0.229
	CAC - 11kV Line	4500		2.896	6.289				0.065		0.089				1.159			0.140		0.140				2.896	6.289	1.159		0.205		0.229
EG	EG - 110kV	2000		0.034	0.094				0.065		0.089				1.157			0.140		0.140				0.034	0.094	1.157		0.205		0.229
	EG - 33kV	2500	Site-specific prices are confidential.	1.091	2.664				0.065		0.089				1.159			0.140		0.140				1.091	2.664	1.159		0.205		0.229
	EG - 11kV	3000		2.896	6.289				0.065		0.089				1.159			0.140		0.140				2.896	6.289	1.159		0.205		0.229
SAC Demand	HV Demand	8000	41.471			12.404	0.089								10.119	2.251	0.947						51.590			14.655	1.036			
	Large Demand	8100	22.595			16.783	0.089								10.119	2.251	0.947						32.714			19.034	1.036			
	Small Demand	8300	4.811			18.636	0.089								1.961	2.251	1.350						6.772			20.887	1.439			
SAC Non-Demand	Business Flat	8500	0.470					10.303							0.255		1.878						0.725				12.181			
	Business ToU	8800	0.470						6.422		12.187	0.255					1.673			2.040			0.725				8.095		14.227	
	Residential Flat	8400	0.360					10.247							0.079		1.710						0.439				11.957			
	Residential ToU	8900	0.500						7.484	9.747	15.364	0.079					1.295	1.710	3.777				0.579				8.779	11.457	19.141	
	PeakSmart ToU	7600	0.500						5.484	9.747	15.364	0.079					1.295	1.710	3.777				0.579				6.779	11.457	19.141	
	Super Economy	9000					4.130										0.708									4.838				
	Economy	9100					7.484										1.295									8.779				
	Unmetered	9600					8.041										1.407									9.448				
	Solar PV (net with FIT)	7500	FIT rate legislated by State Government																											
	Solar PV (net with FIT)	9900	FIT rate legislated by State Government																											
Solar PV (gross)	9700	FIT rate negotiated with third party																												
Solar PV (net)	9800	FIT rate negotiated with third party																												

Note 1. All prices exclude GST.

3.2 Changes to tariffs from previous regulatory year

Energex has an ongoing program for reviewing network tariffs for its customers. In 2012/13, the focus was on the SAC Non-Demand residential tariffs; however, in 2013/14, the focus broadened to review all SCS tariffs. An overview of 2013/14 tariff changes is included in Table 3.2. The changes proposed for 2013/14 are designed to give customers more choice by providing a more robust suite of network tariffs, specifically:

- improving cost-reflectivity in tariffs and encouraging maximum asset utilisation by replacing the power factor adjustment (PFA) methodology with straight kVA pricing for ICC, CAC and EG DUOS charges. This approach is reflective of current practices by Distribution Network Service Providers (DNSPs) in other Australian jurisdictions, and aligns to the Final Determination⁷
- supporting more specific pricing signals for residential customers and providing an incentive to facilitate demand management of Demand Response Ready (DRR) or 'smart' appliances through the introduction of a second, voluntary Time of Use (ToU) tariff, PeakSmart ToU, which reflects the cost of network augmentation and reflects the value of demand management to the network.

More information about the changes to network tariffs is available in Energex's 2013/14 Pricing Proposal.⁸

Table 3.2 - Changes to tariffs for 2013/14

Existing tariff (2012/13)		Revised / new tariff (2013/14)
NTC	Tariff Description	
1000	ICC	Introduction of straight kVA pricing for DUOS charges for ICC, CAC and EG customers to replace the existing existing PFA methodology.
3500	CAC – 33 kV Line/Bus	
4000	CAC – 11 kV Bus	
4500	CAC – 11 kV Line	
2000	EG – 110 kV	
2500	EG – 33 kV	
3000	EG – 11 kV	
New		New Tariff: Residential PeakSmart ToU (NTC 7600)

⁷ Refer to Footnote 3.

⁸ Refer to Footnote 2.

3.2.1 Other changes from previous regulatory year

In addition to tariff changes, a range of other changes occur between regulatory years, including adjustment to revenue cap components and the approach to price setting. The details of the changes between regulatory years 2012/13 and 2013/14 are available in Energex's 2013/14 Pricing Proposal.⁹

3.3 Terms and conditions

The terms and conditions relating to SCS tariffs that Energex will apply when assigning network tariffs are included in Table 3.3. Although Energex undertakes periodic reviews of tariff assignment, Energex does not constantly monitor customers to ensure they are on most appropriate tariff. In the event that a customer or their retailer believes a more appropriate tariff is available for the customer, the retailer should request Energex to change the tariff. Outside the Business-2-Business (B2B) procedures, a requested change is dependent upon the necessary metering being installed.

Except with Energex's consent, tariff changes will become effective from the most recent actual read or at completion of field work required to install appropriate metering. To limit transaction costs and ensure pricing signals are not distorted by constant changes in customer tariff assignment, SAC customers are generally only allowed one requested tariff change per 12 month period. For customers with demand levels that fluctuate annually, Energex may apply a reasonable tolerance limit up to 20 per cent on tariff thresholds to mitigate frequent tariff re-assignment, and subsequently limit customer impact. Additional explanation regarding tariffs is available in Energex's 2013/14 Pricing Proposal.¹⁰

3.4 Straight kVA pricing for large customers

From 1 July 2013, straight kVA pricing will be introduced for ICC, CAC and EG customers replacing the existing PFA methodology and reflective of current practices in other Australian jurisdictions. The calculation methodology Energex will use to calculate kVA pricing is included in Appendix 1. A tariff based on kVA is a more accurate measure of a customer's impact on the network, relative to a tariff based on kW, as it better reflects the costs imposed on the network by the customer. Straight kVA pricing also provides an additional incentive for customers to improve their power factors which should, ideally, be as close as possible to unity (i.e. one (1)).

The PFA methodology, which is being replaced by straight kVA pricing, has been used for calculating charges since the introduction of kVA tariffs on 1 July 2010. It was introduced as a transitional measure to assist customers with understanding the concept of kVA and the impact of kVA on the network and network charges, prior to the planned introduction of the straight kVA pricing. In 2012/13, PFA factors were set as close as reasonably possible to achieve the equivalent of straight kVA prices, effectively smoothing the transition to straight kVA prices for 2013/14 tariffs. This change only impacts on DUOS charges, as DPPC is passed through in kW, preserving the economic signals present in the DPPC structure. More information about the introduction of straight kVA charging is available in Energex's 2013/14 Pricing Proposal.¹¹

⁹ Refer to Footnote 2.

¹⁰ Refer to Footnote 2.

¹¹ Refer to Footnote 2.

Table 3.3 - Descriptions of SCS tariffs and details of terms and conditions

Tariff Class	Tariff	NTC	Tariff Description	Tariff Terms and Conditions
ICC	ICC	1000	<p>Tariff class typically applies to customers:</p> <ul style="list-style-type: none"> with electricity consumption greater than 40 GWh per year at a single connection point; and/or where the customers demand is greater than or equal to 10 megavolt amperes (MVA); or where a customer's circumstances mean that the average shared network charge becomes meaningless or distorted. 	<p>ICC tariffs are site-specific and will be provided directly to the customer and/or the customer's retailer.</p> <ul style="list-style-type: none"> DPCC applies to the volume of the energy delivered to the nominated Transmission Connection Point. For ICC's, the metered quantity at the customer's site will be adjusted by the given Distribution Loss Factor to calculate the total DPPC. The nominated capacity is either the contracted demand or the maximum demand. The DUOS demand price applies to the actual maximum demand (kVA) recorded each month.
CAC	CAC 33 kV Line/Bus	3500	<p>Tariff class typically applies to customers:</p> <ul style="list-style-type: none"> with electricity consumption greater than 4 GWh, but less than 40 GWh per year at a single connection point; and/or where demand is greater than or equal to 1 MVA at a single connection point; and/or where a customer has a dedicated supply system with connection assets; or where the customer has contributed to their dedicated connection assets; or where the uniqueness of the connection assets would distort the SAC pricing. 	<p>The fixed charges for CAC's are site-specific and will be provided directly to the customer and/or the customer's retailer.</p> <ul style="list-style-type: none"> The nominated capacity is either the contracted demand or the maximum demand. The DUOS demand price applies to the actual maximum demand (kVA) recorded each month.
	CAC 11 kV Bus	4000		
	CAC 11 kV Line	4500		
EG	EG 110 kV	2000	<p>Tariff class typically applies to generators with an installed capacity greater than 1 MVA in accordance with the Energy Networks Association definitions:</p> <ul style="list-style-type: none"> Medium: 1 – 5 MVA (Low Voltage - LV or High Voltage - HV) or less than 1 MVA (HV) Large: greater than 5 MVA. 	<ul style="list-style-type: none"> Due to the nature of connections, which are typically non-standard and may require additional embedded generation protection system upgrades, tariffs for connection and access services for medium and large EGs will be developed on a similar basis to site-specific customers. The DUOS demand charge applies to the actual maximum demand (kVA) recorded each month.
	EG 33 kV	2500		
	EG 11 kV	3000		

Tariff Class	Tariff	NTC	Tariff Description	Tariff Terms and Conditions
SAC Demand	All SAC Demand tariff classes		Tariff class typically applies to customers with consumption greater than 100 MWh per year, but less than 4 GWh per year , and with demand up to 1,000 kW.	<ul style="list-style-type: none"> Customers must have a meter installed that is capable of measuring energy consumption (kWh) and demand (kW), and records total energy consumption and demand over 30 minute periods.
	HV Demand	8000	This tariff applies to customers connected at High Voltage (HV) .	<ul style="list-style-type: none"> This network tariff is not available to customers who have non-standard or significant connection assets provided by Energex.
	Large Demand	8100	These tariffs apply to customers connected at Low Voltage (LV) .	<ul style="list-style-type: none"> Customers with annual consumption less than 100 MWh can choose to access this tariff voluntarily. The Energex demand tariffs are self-selecting. It is the responsibility of the customer and/or retailer to select the most appropriate tariff. <ul style="list-style-type: none"> As a guide, the following demand ranges are provided: <ul style="list-style-type: none"> Small Demand: Up to 250 kW Large Demand: 250 – 1,000 kW Where the customer and/or retailer does not select a tariff, and in the absence of historical demand information (e.g. for new customers) the customer will be assigned to Small Demand, as per Energex's process for assigning customers to SCS Tariff Classes. Business customers with consumption greater than 100 MWh must be on a demand tariff. However, if existing metering is not programmed to provide a demand read, Energex will apply another appropriate business tariff until such time as the metering is upgraded.
SAC Non-Demand	All SAC Non-Demand tariff classes		Tariff class typically applies to customers with consumption below 100 MWh per year .	<ul style="list-style-type: none"> A Non-Demand tariff may also apply when the customer's connection point has a meter installed that is capable of measuring total energy consumption (kWh) only.
	Business Flat	8500	This tariff is the Default Tariff for business customers with consumption less than 100 MWh per year .	<ul style="list-style-type: none"> Customers may have a residential tariff at their NMI (noting customers cannot have more than one residential tariff on the same NMI), provided there is also a business tariff.

SAC Non-Demand tariffs continued overleaf

Tariff Class	Tariff	NTC	Tariff Description	Tariff Terms and Conditions											
SAC Non-Demand	Business ToU	8800	This tariff is available to business customers with consumption less than 100 MWh per year .	<ul style="list-style-type: none"> Customers must have a meter installed that is capable of measuring ToU energy consumption (kWh). Small business customers may have a residential tariff at their NMI (noting customers cannot have more than one residential tariff on the same NMI), provided there is also a business tariff. 											
	Residential Flat	8400	This tariff is the Default Tariff for residential customers , regardless of their size.	<ul style="list-style-type: none"> This tariff can not be used in conjunction with Residential ToU (8900) and/or PeakSmart ToU (7600). 											
	Residential customer ToU tariffs (8900 and 7600)		These tariffs are voluntary for residential customers .	<ul style="list-style-type: none"> Customers must have a meter installed that is capable of measuring ToU energy consumption (kWh). Customers with the same tariff assigned to multiple meters will have the consumption across each meter aggregated for billing purposes. 											
	Residential ToU	8900	This tariff is available to all residential customers .	<ul style="list-style-type: none"> This tariff can not be used in conjunction with Residential Flat (8400) or PeakSmart ToU (7600). The charging timeframes for this tariff are: <table border="1" data-bbox="1227 866 2141 1086"> <thead> <tr> <th>Charging timeframe</th> <th>Weekdays</th> <th>Weekends</th> </tr> </thead> <tbody> <tr> <td>Off-peak</td> <td>10:00 pm – 7:00 am</td> <td>10:00 pm – 7:00 am</td> </tr> <tr> <td>Shoulder</td> <td>7:00 am – 4:00 pm 8:00 pm – 10:00 pm</td> <td>7:00 am – 10:00 pm</td> </tr> <tr> <td>Peak</td> <td>4:00 pm – 8:00 pm</td> <td>No weekend peak</td> </tr> </tbody> </table> 	Charging timeframe	Weekdays	Weekends	Off-peak	10:00 pm – 7:00 am	10:00 pm – 7:00 am	Shoulder	7:00 am – 4:00 pm 8:00 pm – 10:00 pm	7:00 am – 10:00 pm	Peak	4:00 pm – 8:00 pm
Charging timeframe	Weekdays	Weekends													
Off-peak	10:00 pm – 7:00 am	10:00 pm – 7:00 am													
Shoulder	7:00 am – 4:00 pm 8:00 pm – 10:00 pm	7:00 am – 10:00 pm													
Peak	4:00 pm – 8:00 pm	No weekend peak													

SAC Non-Demand tariffs continued overleaf

Tariff Class	Tariff	NTC	Tariff Description	Tariff Terms and Conditions
SAC Non-Demand	PeakSmart ToU	7600	This tariff is available to eligible residential customers .	<ul style="list-style-type: none"> This tariff can not be used in conjunction with Residential Flat (8400) or Residential ToU (8900). The charging timeframes for this tariff are the same as for Residential ToU (8900) This tariff is only available to customers who have a total of at least 4kW cooling capacity (or equivalent rated input load) at the NMI that is under demand management by Energex, including at least one activated PeakSmart Air-Conditioning Unit (connected with a signal receiver). A 'PeakSmart Air-Conditioning Unit' means an A/C system with functionality added by the manufacturer that meets all specific criteria as indicated in the Australian Standard AS4755.3.1, 'Interaction of demand response enabling devices and electricity products – Operational instructions and connections for air conditioners.' Under this tariff, supply will be available to the premise at all times; however, demand management of PeakSmart Air Conditioning units is variable and will be managed at Energex's absolute discretion. Periodic validation of system compliance may be required and will be undertaken at Energex's absolute discretion. Where a customer becomes ineligible for this tariff, due to their load under demand management falling below 4kW cooling capacity (or equivalent rated input load) and/or this load no longer including at least one activated PeakSmart A/C unit, Energex will assign this customer to Residential ToU (8900) in accordance with its tariff class assignment review process.
	Solar PV (net w FiT)	9900	These tariffs are available to residential and business customers with consumption less than 100 MWh per year and who participate in the Queensland Government Solar Bonus Scheme (SBS).	<ul style="list-style-type: none"> These tariffs can only be applied if there is an appropriate primary tariff at the NMI. The Queensland Government sets the Feed-in-Tariff (FiT) rate (cents per kWh – c/kWh) that is to be paid for the excess energy generated by customers and fed back into the grid. More information is available in Energex's 2013/14 Pricing Proposal.
	Solar PV (net w FiT)	7500		
	Solar PV (net)	9800	These tariffs are available to any customer and are not part of the SBS.	<ul style="list-style-type: none"> These tariffs can only be applied if there is an appropriate primary tariff at the NMI. No FiT is payable by Energex for these tariffs; the FiT rate is negotiated between the customer and retailer or other third party. More information is available in Energex's 2013/14 Pricing Proposal.
Solar PV (gross)	9700			

SAC Non-Demand tariffs continued overleaf

Tariff Class	Tariff	NTC	Tariff Description	Tariff Terms and Conditions
SAC Non-Demand	Super Economy	9000	These are controlled load tariffs and are available to residential and business customers with consumption less than 100 MWh per year	<ul style="list-style-type: none"> Customers can access this tariff providing it is in conjunction with a residential or business tariff at the same NMI, at Energex's discretion. The tariff is applicable when electricity supply is: <ul style="list-style-type: none"> permanently connected to apparatus; or connected to apparatus by means of a socket-outlet as approved by Energex; or permanently connected to specified parts of apparatus as approved by Energex. Supply will be available for a minimum of 8 hours per day. The times when supply is available is subject to variation at Energex's absolute discretion but will typically be between 10:00 pm and 7:00 am.
	Economy	9100		<ul style="list-style-type: none"> Customers can access this tariff providing it is in conjunction with a residential or business tariff at the same NMI, at Energex's discretion. The tariff is applicable when electricity supply is: <ul style="list-style-type: none"> Connected to apparatus by means of a socket-outlet as approved by Energex; or Permanently connected to apparatus as approved by Energex, except if provision has been made to supply such apparatus under a different tariff in the periods during which supply is not available under this tariff. Supply will be available for a minimum of 18 hours per day. The times when supply is available is subject to variation at Energex's absolute discretion.
	Unmetered	9600	This tariff is applicable to unmetered supplies and is the use of system charge (conveyance of electricity).	Unmetered supplies, include, but are not limited to: street lighting; watchman lighting; public barbeques; telephones; and, traffic signals.

4. Network tariffs – ACS

4.1 Street lighting services

Street light services covered in ACS relate to the provision, construction and maintenance of street light assets owned by Energex. The ACS prices for street light services are included in Table 4.1.

Table 4.1 - 2013/14 Prices for street lighting services

Street Light Service ^{2,3}	Network Tariff Code	Price ¹ (\$/light/day)
Major non-contributed	9250	1.10
Major contributed	9350	0.30
Minor non-contributed	9200	0.44
Minor contributed	9300	0.12

Notes:

1. All prices exclude GST.

2. Definitions of major and minor street lighting are provided in the Glossary (Refer to Definitions in Appendix 6.3).

3. The Use of System Charge (conveyance of electricity) is an SCS; charges for SCS are included in Table 3.1.

4.1.1 Terms and conditions

The applicable terms and conditions for each street light service are based on the following principles:

- The contributed street light tariff only applies where the capital cost of the street light has been paid upfront by the customer or their agent.
- At the conclusion of the street light's standard asset life, the non-contributed tariff will apply due to Energex being responsible for the replacement.
- Where the capital cost of the street light has been funded by Energex and no upfront payment made, whether the initial asset construction or replacement of an asset, the non-contributed street light tariff applies.

4.2 Fee-based services

Fee-based services relate to activities undertaken by Energex at the request of customers or their agents, such as their retailer or contractor. The costs for these activities can be directly attributed to a customer and, therefore, a service-specific charge can be levied. The prices for fee-based services are included in Table 4.2. A full list of fee-based services and product codes are in Appendix 2.

Table 4.2 - 2013/14 Prices for fee-based services

Fee-Based Service ¹	Price ² (\$/service)
Alterations and additions to current metering equipment	105.45
Attending loss of supply – low voltage customer installation at fault (BH)	117.79
Overhead service replacement – single phase	322.47
Overhead service replacement – multiple phase	379.88
De-energisation ³	Nil
Meter Test ³	15.86
Meter Inspection	94.26
Re-configure meter	78.14
Off-cycle meter read	8.80
Site visit	67.68
Locating Energex underground cables	N/A
Temporary connection – simple ³	359.77
Re-energisation (BH) ³	39.86
Re-energisation (AH) ³	95.86
Re-energisation (visual) (BH) ³	Nil
Re-energisation (visual) (AH) ³	95.86
Re-energisation non-payment (visual) (BH) ³	39.86
Re-energisation non-payment (visual) (AH) ³	95.86
Supply abolishment – simple	365.23
Unmetered supply	161.19
Street light glare screening	155.78
Replacement of standard luminaires with aero screen units (per street light)	360.14

Notes:

1. A full list of fee-based services and product codes is included in Appendix 2.
2. All prices exclude GST.
3. Prices for these services are subject to Schedule 8 of the Queensland *Electricity Regulation 2006*.

4.3 Quoted services

Quoted services are services for which the nature and scope can not be known in advance, irrespective of whether the service is customer requested or an external event triggers the need for the service. A description of each service and applicable product codes are included in Appendix 3. These services (listed in Table 4.3) are offered on a POA basis.

Table 4.3 - 2013/14 Prices for quoted services

Quoted service	Price (\$/service)
Rearrangement of network assets	POA
Customer requested works to allow customer or contractor to work close	POA
Non-standard data and metering services (Type 5 – 7 metering)	POA
Emergency recoverable works and rectification of illegal connections	POA
Large customer connections	POA
Design specification/auditing and other subdivision activities	POA
Unmetered services, including street lighting	POA
After hours provision of any fee-based service (excluding re-energisation)	POA
Supply abolishment – complex	POA
Additional crew	POA
Temporary connection – complex	POA
Loss of asset	POA
Other recoverable work	POA

5. Other services

5.1 Watchman lights

Watchman lights are classified as unmetered supply; they have unregulated service charges and SCS charges. Table 5.1 provides the charges for watchman lights.

Table 5.1 - 2013/14 Charges for watchman lights

Classification of Service	Service	Network Tariff Code	Price ¹
SCS	Unmetered Supply – All consumption	9600	Refer Table 3.1
Unregulated Services	Charges for capital outlay, operations and maintenance	9500	\$0.52/light/day
	Charges for standard watchman light design only ²	N/A	\$326.16/application
	Charges for non-standard watchman light design only ³	N/A	POA
	Removal of watchman light	N/A	POA

Notes

1. All prices exclude GST.
2. Standard design is up to a maximum of three watchman lights at:
 - (a) a property on land not exceeding 4,000 square meters in area and with no more than two road frontages; or,
 - (b) premises located within a 50 km radius of Brisbane General Post Office.
3. Non-standard design is any design that is outside the definition of standard design as described in Note 2.

5.2 Other Business-2-Business services

In addition to the ACS provided by Energex on a fee-for-service basis, Energex provides a number of DUOS services free of charge. These services are requested through the usual B2B communication channels. A list of services with full descriptions and product codes are provided in Appendix 4.

6. Appendices

6.1 Table of contents (Appendices)

APPENDIX 1 - KVA CALCULATION METHODOLOGY	A-1
APPENDIX 2 - FEE-BASED SERVICES PRODUCT CODES	A-3
APPENDIX 3 - QUOTED SERVICES PRODUCT CODES	A-12
APPENDIX 4 - ADDITIONAL B2B CODES.....	A-22
APPENDIX 5 - TARIFF CLASS ASSIGNMENT REVIEW PROCESS	A-26
APPENDIX 6 - GLOSSARY	A-30
Appendix 6.1 - Acronyms and abbreviations.....	A-31
Appendix 6.2 - Measurements.....	A-33
Appendix 6.3 - Definitions	A-34

6.2 List of tables (Appendices)

Table A-2.1 - Fee-based services – prices and product codes	A-4
Table A-3.1 - Quoted services – product codes	A-13
Table A-4.1 - Additional B2B product codes	A-23
Table A-6.1 - Acronyms and abbreviations used through this document	A-31
Table A-6.2 - Units of measurement used through this document	A-33
Table A-6.3 - Multiples of prefixes (units) used through this document.....	A-33
Table A-6.4 - Definitions of terminology used through this document	A-34

6.3 List of equations and figures (Appendices)

Equation A-1.1 - kVA calculation methodology	A-2
Figure A-5.1 - Tariff class assignment review process	A-29

APPENDIX 1 -

kVA calculation methodology

kVA calculation methodology

From 1 July 2013, it is proposed that straight kVA pricing will be introduced for ICC, CAC and EG customers replacing the existing power factor adjustment (PFA) methodology and reflective of current practices in other Australian jurisdictions.

Energex will apply the formula in Equation A-1.1 to calculate the kVA value used to determine demand and capacity charges for each customer. Aligning with industry standards, kVA will be calculated for 30 minute intervals.

Equation A-1.1 - kVA calculation methodology

$$kVA = \sqrt{kW^2_{PeakLoad} + kvar^2_{PeakLag}} \text{ for each 30 minute interval}$$

where,

kVA (kilovolt amperes) is used to measure demand; it measures the apparent power flow which is a measure of the total capacity required to supply a customer's load

kW (kilowatt) is a measure of the real component of power being consumed by a customer's load

PeakLoad is the maximum kW per 30 minute interval.

kvar (kilovolt amperes reactive) is a measure of reactive power which exists when the current and voltage are out of phase, i.e. not changing simultaneously.

PeakLag is the maximum kvar per 30 minute interval.

To calculate kVA using the formula:

- The maximum kW per 30 minute interval (kW PeakLoad) will be determined by the real time summation of the individual meters within a premise. For meters that store the interval data in 15 minute intervals, the real time summation will also include the summation to 30 min intervals. The maximum kW for a 30 minute interval will not be netted with any subsequent generation data that may occur within the 30 minute interval
- The maximum kvar per 30 minute interval (kvar PeakLag) will be determined using the same methodology with no netting of leading kvar data within the 30 min interval

Once the maximum kW and maximum kvar are determined for each 30 minute interval in the billing period, then the maximum kVA for billing purposes will be calculated as the greatest kVA for any 30 min interval in the billing period.

APPENDIX 2 -

Fee-based services product codes

Table A-2.1 - Fee-based services – prices and product codes

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Alterations and additions to current metering equipment	Addition and/or alteration to current metering arrangement including exchange and/or move meter.	105.45	116.00	AAEM1M	500	Customer requests exchange of their current meter for alternative metering configuration e.g. consolidation of multiple meters for one meter.
				AAEM2M	502	Customer requests exchange of their current meter for alternative metering configuration. Current Transformer (CT) Metering. This product code will always have the quoted service “Additional Crew” product code applied.
		76.92*	84.62*	AAMM1M	512	Meter wiring altered or meter being relocated and requires Energex to visit site to verify the integrity of the metering equipment.
				AAMM2M	514	Meter wiring altered or meter being relocated and requires Energex to visit site to verify the integrity of the metering equipment. CT Metering. This product code will always have the quoted service “Additional Crew” product code applied.
Attending loss of supply- low voltage customer installation at fault – Business Hours (BH)	Energex attends trouble call during BH and found fault in LV customer’s installation.	117.79	129.57	LOS	1500	Energex attends loss of supply at the customer’s request and fault is found to be at the customers installation (switchboard) including tripped safety switch, internal fault, customer overload etc.
Overhead service replacement – single phase	To replace an existing overhead service at customer’s request. No material change to load.	322.47	354.72	MSOR1P2	920	Customer requests their existing overhead service to be replaced or relocated, E.G. as a result of a POA relocation. No material change to load. Single phase.
Overhead service replacement – multiple phase	To replace an existing overhead service at customer’s request. No material change to load.	379.88	417.86	MSOR3P2	924	Customer requests their existing overhead service to be replaced or relocated, E.G. as a result of a POA relocation. No material change to load. Multiple phases.

*Prices effective 1st November 2013

APPENDIX 2
Fee-based services product codes

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
De-energisation¹	De-energisation, commenced during BH.	Nil	Nil	DNSD1MB	300	Retailer requests de-energisation of the customer's premises where the de-energisation can be performed at the premise by a method other than Main Switch Seal.
				DNSD2MB	302	Retailer requests de-energisation of the customer's premises where the de-energisation can be performed at the premise by a method other than Main Switch Seal. CT Metering.
				DN\$1MB	304	Retailer requests de-energisation of the customer's premises where the customer has not paid their electricity account and the de-energisation can be performed at the premise by a method other than Main Switch Seal.
				DN\$2MB	306	Retailer requests de-energisation of the customer's premises where the customer has not paid their electricity account and the de-energisation can be performed at the premise by a method other than Main Switch Seal. CT Metering.
				DNS	320	Retailer requests de-energisation of the customers' premises. Main Switch Sealed.
				DNS\$1MB	324	Retailer requests de-energisation of the customer's premises where the customer has not paid their electricity account. Main Switch Sealed.
Meter test¹	Check that metering installation is accurately measuring energy consumed.	15.86	17.45	MIMT1MB	704	A request to conduct a comprehensive review of the customer's metering installation to determine that a customer's energy consumption is being accurately metered by physically testing the meter with a controlled load and calibrating the metering equipment. BH.
				MIMT2MB	706	A request to conduct a comprehensive review of the customer's metering installation to determine that a customer's energy consumption is being accurately metered by physically testing the meter with a controlled load and calibrating the metering equipment. CT Metering. BH.

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Meter inspection	Inspection required to check reported or suspected fault and no fault in meter is found.	94.26	103.68	MSINSS	957	A request to conduct a site review of the state of the customer's metering installation without physically testing the metering equipment, i.e. single premise.
				MSINSC	959	A request to conduct a site review of the state of the customer's metering installation without physically testing the metering equipment, i.e. single premise. CT Metering. This product code will always have the quoted service "Additional Crew" product code applied.
Reconfigure meter	Adjustment to meter setting due to change in tariff and/or time of use settings.	78.14	85.96	MRCT1M	1204	A request to make a change from one tariff to another tariff.
				MRCT2M	1206	A request to make a change from one tariff to another non-controlled tariff. CT Metering. This product code will always have the quoted service "Additional Crew" product code applied.
		Nil	Nil	MRRT1M	1201	A request to make a change from Residential Flat (NTC 8400) to Residential ToU (NTC 8900).
				MRRT2M	1203	A request to make a change from Residential Flat (NTC 8400) to Residential ToU (NTC 8900).CT Metering.
				MRRV1M	1205	A request to make a change from Residential ToU (NTC 8900) to Residential Flat (NTC 8400).CT Metering and No CT Metering.
				MRPS1M	1207	A request to make a change from Residential Flat (NTC 8400) or Residential ToU (NTC 8900) to PeakSmart ToU (NTC 7600).
				MRPS2M	1209	A request to make a change from Residential Flat (NTC 8400) or Residential ToU (NTC 8900) to PeakSmart ToU (NTC 7600). CT Metering.

APPENDIX 2
Fee-based services product codes

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Off-cycle meter read	Meter read taken off-cycle	8.80	9.68	SRCR	400	Customer requests a check read on the meter due to reported error in the meter reading. This is only used to check the accuracy of the meter reading.
				SRTR	404	Customer requests a transfer read, as a result of transferring to a different retailer during a billing period.
Site visit	Where crew attends site during BH and either: <ul style="list-style-type: none"> service is unable to be performed due to customer's fault (i.e. unfilled site visit due to customer missed appointment etc.); or crew attends site at customer request where the service is not covered by another fee based service (e.g. to provide notification). 	67.68	74.45	MSWTV	1044	Energex attends a site at the customer's request and is unable to perform job due to customers fault.
		11.12	12.23	MSWTV2	1046	Energex (non-technical) attends a site at the customer's request and is unable to perform job due to customer's fault.
Locating Energex underground cables	Customer requested assistance, from a single crew for a period of up to one hour, in locating Energex underground cables.	N/A	N/A	MSAPLC	938	Customer requests assistance, from a single crew for a period of up to one hour, in locating Energex underground cables. Site visit required.
Temporary connection – simple¹	Applies to temporary connections (<12 months) for SACs (incl; temporary builders supplies), typically up to 10 kVA where minimum technical standards are required. This category excludes complex requirements such as those that require greater capacity, longer distance, and/or difficult terrain or temporary large customer connections.	359.77	395.75	NCT1MB	120	Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh).
				NCT2MB	122	Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh). CT Metering.

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Re-energisation – BH¹	Re-energisation commenced during BH. Visual inspection not required.	39.86	43.85	RN\$1MB	200	Retailer requests a re-energisation of the customer's premises where the customer has not paid their electricity account. BH.
				RN\$2MB	202	Retailer requests a re-energisation of the customer's premises where the customer has not paid their electricity account. CT Metering. BH.
				RNS\$1MB	412	Retailer requests a re-energisation of the customer's premises where the customer has not paid their electricity account. Main switch seal. BH.
				Nil	Nil	RNMSS
	Reading provided for an active site.	8.80	9.68	RNNR	238	Retailer requests that fieldwork be undertaken to obtain a new reading rather than using a deemed meter reading. May also be used for retrospective move-in requests.
				Nil	Nil	RNRR
Re-energisation (visual) – BH¹	Re-energisation commenced during BH. Visual inspection required.	Nil	Nil	RNV1MB	224	Retailer requests a visual examination upon re-energisation of the customer's premises. BH.
				RNV2MB	226	Retailer requests a visual examination upon re-energisation of the customer's premises. CT Metering. BH.
Re-energisation non-payment (visual) – BH¹	Re-energisation, following de-energisation for non-payment, commenced during BH. Visual inspection required.	39.86	43.85	RN\$V1MB	212	Retailer requests a visual examination upon re-energisation of the customer's premises where the customer has not paid their electricity account. NMI de-energised >30 days. BH.
				RN\$V2MB	214	Retailer requests a visual examination upon re-energisation of the customer's premises where the customer has not paid their electricity account. CT Metering. NMI de-energised >30 days. BH.

APPENDIX 2
Fee-based services product codes

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Re-energisation – After Hours (AH)¹	Re-energisation commenced AH. Visual inspection not required.	95.86	105.45	RN\$1MA	204	Retailer requests a re-energisation of the customer's premises where the customer has not paid their electricity account. After Hours (AH).
				RN\$2MA	206	Retailer requests a re-energisation for the customer's premises where the customer has not paid their electricity account. CT Metering. AH.
				RNS\$1MA	416	Retailer requests a re-energisation for the customer's premises where the customer has not paid their electricity account. Main switch seal. AH.
				RN\$1MT	208	Retailer requests a re-energisation for the customer's premises where the customer has not paid their electricity account. Anytime service (Anytime).
				RN\$2MT	210	Retailer requests a re-energisation of the customer's premises where the customer has not paid their electricity account. CT Metering. Anytime.
				RNS\$1MT	414	Retailer requests a re-energisation for the customer's premises where the customer has not paid their electricity account. Main switch seal. Anytime.
		46.80	51.48	RNMSSA	408	Retailer requests a re-energisation of the customer's premises following a main switch seal. AH.
		RNMSST	410	Retailer requests a re-energisation of the customer's premises following a main switch seal. Anytime.		
Re-energisation (visual) – AH¹	Re-energisation commenced AH. Visual inspection required.	95.86	105.45	RNV1MA	228	Retailer requests a visual examination upon re-energisation of customer's premises. AH.
				RNV2MA	230	Retailer requests a visual examination upon re-energisation of the customer's premises. CT Metering. AH.
				RNV1MT	232	Retailer requests a visual examination upon re-energisation of the customer's premises. Anytime.
				RNV2MT	234	Retailer requests a visual examination upon re-energisation of the customer's premises. CT Metering. Anytime.

APPENDIX 2
Fee-based services product codes

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Re-energisation non-payment (visual) – AH¹	Re-energisation, following de-energisation for non-payment, commenced AH. Visual inspection required.	95.86	105.45	RN\$V1MA	216	Retailer requests visual examination upon re-energisation of a customer's premises where the customer has not paid their electricity account. NMI de-energised >30 days. AH.
				RN\$V2MA	218	Retailer requests a visual examination upon re-energisation of the customer's premises where the customer has not paid their electricity account. CT Metering. NMI de-energised >30 days. AH.
				RN\$V1MT	220	Retailer requests a visual examination upon re-energisation of the customer's premises where the customer has not paid their electricity account. NMI de-energised >30 days. Anytime.
				RN\$V2MT	222	Retailer requests a visual examination upon re-energisation of the customer's premises where the customer has not paid their electricity account. CT Metering. NMI de-energised >30 days. Anytime.
Supply abolishment – simple	Retailer requests the service provider to abolish supply at a specific connection point.	365.23	401.75	SA1	800	Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for single dwellings and the community / unit one of multi-unit residential complexes.
				SA3	803	Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for multi-unit residential complexes for all units after the community / unit one.
Unmetered supply	Provision of temporary connection and recovery of permanent connection for approved unmetered equipment where an existing LV supply exists.	161.19	177.31	DNUMS	328	Customer requests an unmetered supply point to be de-energised.
				TUMS	1400	Customer requests a temporary connection of unmetered equipment to an existing LV supply.
Street light glare screening	The supply and installation of glare shields.	155.78	171.36	SLLGAD	602	Customer requests the supply and installation of adhesive luminaires glare screen(s).
				SLLGSDI	604	Customer requests the supply and installation of standard luminaires glare screen(s) – internal.

Category	Service	Price excl GST (\$)	Price incl GST (\$)	Product Code	Peace Charge Code	Tariff Terms and Conditions
Replacement of standard luminaires with aero screen units (per street light)	Replacement of existing luminaires with aero screen low glare luminaires.	360.14	396.15	SLAU	600	Customer requests the replacement of existing street light luminaires with aero screen low glare luminaires.

Note 1: Prices for these services are subject to Schedule 8 of the Queensland *Electricity Regulation 2006*.

APPENDIX 3 -

Quoted services product codes

Table A-3.1 - Quoted services – product codes

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
Rearrangement of network assets	Where Energex assets are rearranged at customer's request.	MSREL	1026	P051	Where Energex assets are moved at customer's request and estimated expenditure is less than \$150k. Includes upgrade from overhead to underground service.
		MSOHtoUG	1004		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. BH.
		MSOHtoUG2	1005		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. CT Metering. BH.
		MSOHtoUGA	1019		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. AH.
		MSOHtoUG2A	1021		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. CT Metering. AH.
		MSOHtoUGT	1035		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. Anytime.
		MSOHtoUG2T	1037		Recovery of the overhead service and connection of the consumer mains to the pillar. Customer requested conversion of existing overhead to underground service. CT Metering. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
Customer requested works to allow customer or contractor to work close	Customer requested disconnection and reconnection of supply, coverage of LV mains and/or switching to allow customer/contractor to work close.	MSTT	1038	P011	Coverage of LV Mains (E.G. tiger tails). Charge where customer requests the line close to a construction site be physically covered to prevent risk of electrocution.
		MSDNNDB	902		Temporary LV service disconnection – no dismantling. BH.
		MSDNNDA	908		Temporary LV service disconnection – no dismantling. AH.
		MSDNNDT	914		Temporary LV service disconnection – no dismantling. Anytime.
		MSDNPDB	904		Temporary LV service disconnection – physical dismantling. BH.
		MSDNPDA	910		Temporary LV service disconnection – physical dismantling. AH.
		MSDNPDT	915		Temporary LV service disconnection – physical dismantling. Anytime.
		MSDNHVB	906		Temporary HV service disconnection. BH.
		MSDNHVA	912		Temporary HV service disconnection. AH.
		MSDNHVT	913		Temporary HV service disconnection. Anytime.
Non-standard data and metering services (Type 5 – 7 metering)	Includes provision of meter data above the minimum requirements and meter inspection to check a reported or suspected fault. Does not include provision of any hardware.	MSOBD	1002	P053	Provision of metering data above minimum regulatory requirements.
		MSLPD	990		Provision of load profile data where available – Retailer requested.
		MEMDP	1300		Collection, processing and transfer of higher standard energy data for customers than would otherwise be provided – Retailer requested.
		MSINS	955		A request to conduct a site review of the state of the customer's metering installation(s) without physically testing the metering equipment, i.e. multiple premises. BH.
		MSINSA	961		A request to conduct a site review of the state of the customer's metering installation(s) without physically testing the metering equipment, i.e. multiple premises. AH.
		MSINST	963		A request to conduct a site review of the state of the customer's metering installation(s) without physically testing the metering equipment, i.e. multiple premises. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
Emergency recoverable works and rectification of illegal connections	Work carried out by Energex as a result of an emergency or third party action.	MSERW	978	P002	Emergency Recoverable Works: Work undertaken by Energex as a result of emergency or third party action.
		MSAPIC	930		Rectification of Illegal Connections: Work undertaken as a consequence of illegal connections resulting in damage to the network
Large Customer Connections	Design and construct of connection assets for large customers			P060	Design and construction of connection assets for large customers. Generally, large customers have annual consumption > 4 GWh or estimated maximum demand > 1 MVA or estimated generation capacity > 1 MVA.
Design specification / auditing and other subdivision activities	Provision of a detailed estimate/design and/or checking of designs for subdivisions and street light services. Also includes other subdivision activities such as pole inspections.	MSDD	958	P006	Provision of detailed design estimate for LV customer requested extension / connection.
		MSSF	1032		Specification fees: Fee for service when Energex prepares and issues specifications for customer extension works.
					Provision of checking of materials, or a group of similar materials, that are a like-for-like replacement of current Energex stores materials.
Unmetered services, including street lighting	Provision of services, other than standard connection, for approved unmetered equipment, including street lights.	SLLGUNI	606	P005	Planning, design and installation of unique luminaires glare screening – external.
				P054	Provision of services, other than standard connection for approved unmetered equipment. This includes facilities such as public telephones, traffic signals and public barbecues.
AH provision of any fee-based service (excluding re-energisation) <i>Category continued overleaf</i>	The AH provision of any fee-based service excluding re-energisation.	LOST	1602	P062	Energex attends loss of supply at the customer's request and fault is found to be at the customers installation (switchboard) including tripped safety switch, internal fault, customer overload etc. AH.
		LOSA	1600		Energex attends loss of supply at the customer's request and fault is found to be at the customers installation (switchboard) including tripped safety switch, internal fault, customer overload etc. Anytime.
		MSWTVA	1045		Unfulfilled site visit. AH.
		MSWTVT	1047		Unfulfilled site visit. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
<i>Continued from previous page</i> AH provision of any fee-based service (excluding re-energisation)		MSWTV2A	1048	P062	Unfulfilled site visit (non-technical). AH.
		MSWTV2T	1049		Unfulfilled site visit (non-technical). Anytime.
		NCT1MA	124		Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh). AH.
		NCT1MAT	125		Customer requests a temporary connection and recovery of the temporary builders supply. Work requires traffic control due to imposed rules from external authorities. Small residential and small business (< 25,000 kWh). AH.
		NCT2MA	126		Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh). CT Metering. AH.
		NCT2MAT	127		Customer requests a temporary connection and recovery of the temporary builders supply. Work requires traffic control due to imposed rules from external authorities. Small residential and small business (< 25,000 kWh). CT Metering. AH.
		NCT1MT	128		Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh). Anytime.
		NCT1MTT	129		Customer requests a temporary connection and recovery of the temporary builders supply. Work requires traffic control due to imposed rules from external authorities. Small residential and small business (< 25,000 kWh). Anytime.
		NCT2MT	130		Customer requests a temporary connection and recovery of the temporary builders supply. Small residential and small business (< 25,000 kWh). CT Metering. Anytime.
		NCT2MTT	131		Customer requests a temporary connection and recovery of the temporary builders supply. Work requires traffic control due to imposed rules from external authorities. Small residential and small business (< 25,000 kWh). CT Metering. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
<i>Continued from previous page</i> AH provision of any fee-based service (excluding re-energisation)		AAEM1MAH	501	P062	Adds & Alts: Exchange meter. AH.
		AAEM1MAT	505		Adds & Alts: Exchange meter. Anytime.
		AAEM2MAH	503		Adds & Alts: Exchange meter. CT Metering. AH.
		AAEM2MAT	507		Adds & Alts: Exchange meter. CT Metering. Anytime.
		AAMM1MAH	513		Adds & Alts: Meter wiring altered or meter being relocated requiring Energex to visit site to verify the integrity of the metering equipment. AH.
		AAMM1MAT	517		Adds & Alts: Meter wiring altered or meter being relocated requiring Energex to visit site to verify the integrity of the metering equipment. Anytime.
		AAMM2MAH	515		Adds & Alts: Meter wiring altered or meter being relocated requiring Energex to visit site to verify the integrity of the metering equipment. CT Metering. AH.
		AAMM2MAT	519		Adds & Alts: Meter wiring altered or meter being relocated requiring Energex to visit site to verify the integrity of the metering equipment. CT Metering. Anytime.
		SA1AH	801		Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for single dwellings; the community or unit one of multi-unit residential complexes. AH.
		SA1AHT	805		Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for single dwellings; the community / unit one of multi-unit residential complexes. Work requires traffic control due to imposed rules from external authorities. AH.
		SA1AT	806		Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for single dwellings; the community or unit one of multi-unit residential complexes. Anytime.
		SA1ATT	807		Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for single dwellings; the community / unit one of multi-unit residential complexes. Work requires traffic control due to imposed rules from external authorities. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
<i>Continued from previous page</i> AH provision of any fee-based service (excluding re-energisation)		SA3AH	804	P062	Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for multi-unit residential complexes for all units after the community / unit one. AH.
		SA3AT	808		Retailer requests the Service Provider to abolish supply at a specific connection point. To be used for multi-unit residential complexes for all units after the community / unit one. Anytime.
		MSOR1P2A	921		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. No material change to load. Single phase. AH.
		MSOR1P2AT	922		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. Work requires traffic control due to imposed rules from external authorities. No material change to load. Single phase. AH.
		MSOR1P2T.	923		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. No material change to load. Single phase. Anytime.
		MSOR1P2TT	925		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. Work requires traffic control due to imposed rules from external authorities. No material change to load. Single phase. Anytime.
		MSOR3P2A	927		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. No material change to load. Multiple phases. AH.
		MSOR3P2AT	929		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. Work requires traffic control due to imposed rules from external authorities. No material change to load. Multiple phases. AH.
		MSOR3P2T	931		Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. No material change to load. Multiple phases. Anytime.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
<i>Continued from previous page</i> AH provision of any fee-based service (excluding re-energisation)		MSOR3P2TT	933	P062	Customer requests their existing overhead service to be replaced or relocated, E.G. due to a POA relocation. Work requires traffic control due to imposed rules from external authorities. No material change to load. Multiple phases. Anytime.
		MRCT1MA	1212		A requested change from one tariff to another tariff. AH.
		MRCT1MT	1220		A requested change from one tariff to another tariff. Anytime.
		MRCT2MA	1214		A requested change from one tariff to another tariff. CT Metering. AH. This product code will always have the "Additional Crew" product code applied.
		MRCT2MT	1222		A requested change from one tariff to another tariff. CT Metering. Anytime. This product code will always have the "Additional Crew" product code applied.
		MCINSSA	965		A requested site review of the condition of the customer's metering installation without physically testing the metering equipment, i.e. single premise. AH.
		MCINSST	967		A requested site review of the condition of the customer's metering installation without physically testing the metering equipment, i.e. single premise. Anytime.
		MCINSCA	969		A requested site review of the condition of the customer's metering installation without physically testing the metering equipment, i.e. single premise. AH. This product code will always have the "Additional Crew" product code applied.
		MCINSCT	971		A requested site review of the condition of the customer's metering installation without physically testing the metering equipment, i.e. single premise. Anytime. This product code will always have the "Additional Crew" product code applied.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
Supply abolishment - complex	Retailer requests the service provider to abolish supply at a given connection point where there are complex arrangements requiring extra resources above that supplied under a simple supply abolishment.	SA2	802	P056	Retailer requests the Service Provider to abolish supply at a specific connection point. Applies where there are complex arrangements requiring extra resources above that supplied under a simple supply abolishment. Complex arrangements may include: underground LV service cables direct jointed to the LV mains cable in the footpath or connected to the LV transformer bushings and terminated on a building wall or other structure inside property; or underground supply arrangements fed from a distribution pillar with fuses exceeding 100a/ph; or HV metered sites.
Additional Crew	Where additional crew are required at a service call for health, safety or security reasons.	MSAC	926	P055	Where an additional single crew is required at a service call for up to one hour for health, safety or security reasons. BH.
		MSACA	1700		Where an additional single crew is required at a service call for up to one hour for health, safety or security reasons. AH.
		MSACT	1702		Where an additional single crew is required at a service call for up to one hour for health, safety or security reasons. Anytime (Retailer request).
		MSAC2	939		Where an additional single crew is required at a service call for more than one hour but less than two hours for health, safety or security reasons. BH.
		MSACA2	1701		Where an additional single crew is required at a service call for more than one hour but less than two hours for health, safety or security reasons. AH.
		MSACT2	1703		Where an additional single crew is required at a service call for more than one hour but less than two hours for health, safety or security reasons. Anytime (Retailer request).
		MSACB	1704		Where an additional single crew is required at a service call for more than two hours for health, safety or security reasons.

Category	Service	Product Code	Peace Charge Code	Ellipse Product Code	Service Description
Temporary connection – complex	Applies to temporary connections, typically above 10 kVA, where there are complex arrangements requiring extra resources above that supplied under simple temporary supply.			P057	Applies to temporary connections, typically above 10 kVA, where there are complex arrangements requiring extra resources above that supplied under simple temporary supply. Applies to all HV connections and construction supplies. Complex arrangements may be due to long distances, a transformer installation and/or difficult terrain. Also includes temporary supply to construction sites for periods greater than 12 months.
Loss of asset	The residual asset value of non-contributed and contributed street lights due to their early removal.			P052	Customer requests the removal of non-contributed (Rate 1) and contributed (Rate 2) street lights from service before the end of their useful life.
Other recoverable work (Opex)	Customer requested Opex work that would not otherwise have been required.	MSORW	945	P061	Customer requests Opex services that would not otherwise have been requested for the efficient management of the network, or not covered by another service.
				P044	Customer requests the provision of electricity network data, such as the provision of capital and operational works information (including estimates), provision of electricity network data (including pole asset information) and associated planning.
				P046	Non-refundable fee for network assessment and preparation of offer. Includes initial review of request for negotiated contract and ongoing/complex review of contract
				P045	Preparatory (physical) field work to configure Energex assets to enable the installation of third party assets
				P079	Work associated with installation of energy efficient street lighting lamps.
Other recoverable work (Capex)	Customer requested Capex work that would not otherwise have been required, or covered by another service which results in a contributed asset.	MSAPABC	928	P065	Bundling of cables which are carried out at the request of another party.

APPENDIX 4 -

Additional Business-2-Business codes

Additional B2B Codes

In addition to ACS provided on a fee-for-service basis, Energex provides a number of DUOS services which are requested through the usual B2B communication channels. A list of services with full description and product code are provided in the additional product code listing in Table A-4.1.

Table A-4.1 - Additional B2B product codes

Category	Description	Product Code	Full Description	Peace Charge Code	Price (\$)
New Connections	U/G Perm Supply - CT BH	NCUP2MB	New underground connection. CT. BH.	100	-
	U/G Perm Supply - No CT BH	NCUP1MB	New underground connection. No CT. BH.	158	-
	U/G Perm Supply - CT AH	NCUP2MA	New underground connection. CT. AH.	106	-
	U/G Perm Supply - No CT AH	NCUP1MA	New underground connection. No CT. AH.	156	-
	U/G Perm Supply - CT Anytime	NCUP2MT	New underground connection. CT. Anytime.	118	-
	U/G Perm Supply - No CT Anytime	NCUP1MT	New underground connection. No CT. Anytime.	116	-
	O/H Perm Supply - CT BH	NCOP2MB	New overhead connection. CT. BH.	104	-
	O/H Perm Supply - No CT BH	NCOP1MB	New overhead connection. No CT. BH.	102	-
	O/H Perm Supply - CT AH	NCOP2MA	New overhead connection. CT. AH.	110	-
	O/H Perm Supply - No CT AH	NCOP1MA	New overhead connection. No CT. AH.	108	-
	O/H Perm Supply - CT Anytime	NCOP2MT	New overhead connection. CT. Anytime.	114	-
	O/H Perm Supply - No CT Anytime	NCOP1MT	New overhead connection. No CT. Anytime.	112	-
	Temp/Perm - CT BH	NCTP2MB	New temporary connection in permanent. CT. BH.	150	-
	Temp/Perm - No CT BH	NCTP1MB	New temporary connection in permanent. No CT. BH.	148	-

**APPENDIX 4
Additional B2B codes**

Category	Description	Product Code	Full Description	Peace Charge Code	Price (\$)
	Temp/Perm - CT AH	NCTP2MA	New temporary connection in permanent. CT. AH.	134	-
	Temp/Perm - No CT AH	NCTP1MA	New temporary connection in permanent. No CT. AH.	132	-
	Temp/Perm - CT Anytime	NCTP2MT	New temporary connection in permanent. CT. Anytime.	138	-
	Temp/Perm - No CT Anytime	NCTP1MT	New temporary connection in permanent. No CT. Anytime.	136	-
Unmetered Supply	UMS Connection Point Available	NCUMSC	New unmetered connection where connection point is available.	152	-
	UMS Connection Point Not Available	NCUMSCN	New unmetered connection where connection point is unavailable.	153	-
Special Read	Meter Final Read	SRFR	Special Read – Final Read	402	-
Additions & Alterations	Install Ctrl Load	AAICL	Adds & Alts: Installed controlled load	516	-
	Install Hot Water	AAIHW	Adds & Alts: Installed hot water	518	-
	Install Meter - CT BH	AAIM2MB	Adds & Alts: Install meter. CT. BH	522	-
	Install Meter - No CT BH	AAIM1MB	Adds & Alts: Install meter. No CT. BH.	520	-
	Install Meter - CT AH	AAIM2MA	Adds & Alts: Install meter. CT. AH	506	-
	Install Meter - No CT AH	AAIM1MA	Adds & Alts: Install meter. No CT. AH.	504	-
	Install Meter - CT Anytime	AAIM2MT	Adds & Alts: Install meter. CT. Anytime.	510	-
	Install Meter - No CT Anytime	AAIM1MT	Adds & Alts: Install meter. No CT. Anytime.	508	-
	Remove Meter - CT	AARM2M	Adds & Alts: Remove meter. CT. BH	526	-
	Remove Meter - No CT	AARM1M	Adds & Alts: Remove meter. No CT. BH.	524	-
Meter Investigations	Tamper - CT B/H Only	MIT2MB	Investigate meter for tampering. CT. BH.	710	-
	Tamper - No CT B/H Only	MIT1MB	Investigate meter for tampering. No CT. BH.	708	-

**APPENDIX 4
Additional B2B codes**

Category	Description	Product Code	Full Description	Peace Charge Code	Price (\$)
Customer initiated service upgrades	OH Single Phase - 2 visit	MSOU1P2	Overhead service upgrade. Single phase. 2 visits.	1008	-
	OH 2 Phase - 1 visit	MSOU2P1	Overhead service upgrade. Two phase. 1 visit.	1010	-
	OH 2 Phase - 2 visit	MSOU2P2	Overhead service upgrade. Two phase. 2 visits.	1012	-
	OH 3 Phase - 1 visit	MSOU3P1	Overhead service upgrade. Three phase. 1 visit.	1014	-
	OH 3 Phase - 2 visit	MSOU3P2	Overhead service upgrade. Three phase. 2 visits.	1016	-
	U/G Upgrade to 2ph Connection	MSUU2P	Underground service – upgrade to 2 phase	1040	-
	U/G Upgrade to 3ph Connection	MSUU3P	Underground service – upgrade to 3 phase	1042	-
No Charge	No Charge	NoCharge	No Charge	9999	-

APPENDIX 5 -

Tariff class assignment review process

Tariff class assignment review process

Energex provides notice to customers and their retailers about proposed tariff class assignment / re-assignments. The notice given includes advice that the customer may request further information from Energex and that they may request a review of the proposed assignment or re-assignment. More information is available in Energex's 2013/14 Pricing Proposal.¹²

Responsibility for review

The notice provided also details that a customer may object to the proposed tariff assignment/re-assignment and request a review be undertaken. When Energex receives a written objection and request for review of a proposed tariff assignment/re-assignment from a customer or their retailer, the below process is followed:

- Where the objection and request for review does not involve a site-specific price, the review process will be performed by the Retailer Escalation Department. This includes reviews pertaining to transition between SAC Non-Demand and SAC Demand tariff classes.
- Where the objection and request for review involves site-specific prices, the review process will be performed by the Network Pricing Department. This includes tariff re-assignments to or from EG, CAC and ICC.

The final decision pertaining to the review, i.e. whether the tariff assignment / re-assignment is approved to proceed, is the responsibility of the manager for the reviewing department.

Review process

When Energex receives a written request for review of a proposed tariff assignment / re-assignment from a customer or their retailer, the following process will be followed:

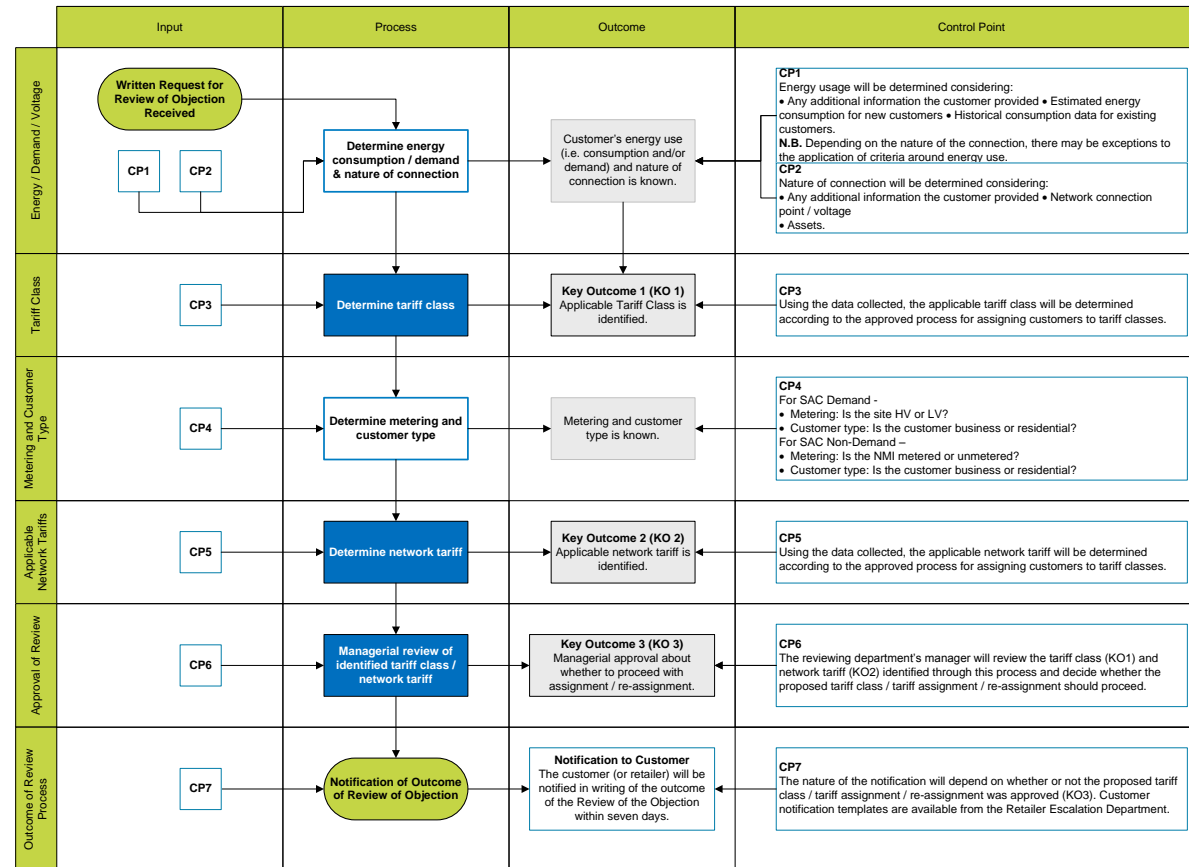
1. The customer's written objection will be reviewed and Energex will consider any additional information that the customer has provided.
2. Energex will determine the energy usage for the customer based on:
 - i. Any information which the customer has provided; or
 - ii. Historical consumption data for existing customers; or
 - iii. Estimated energy for new customers.
3. Energex will assess the nature of the customer's connection to the network.
4. Energex will determine the correct tariff classification (using data collected and as outlined in Figure 2.1 and in accordance with Appendix B, Clauses 3 and 4 of the Final Determination). There may be exceptions to the application of the first criteria (Figure 2.1), energy consumption, depending on the nature of the connection.
5. In all cases, the tariff class assignment will be reconsidered and will be escalated to the Retail Escalation Manager and Network Pricing Manager for review.
6. The customer (or retailer) will be notified in writing of the outcomes of the tariff classification review within 7 days in accordance with requirement as outlined in Appendix B of the Final Determination.

¹² Energex's 2013/14 Pricing Proposal, as approved by the AER, is available on the AER's website at <http://www.aer.gov.au/node/1107>.

7. Where a customer is not satisfied with the outcome of the review of their objection, they may choose to escalate their objection to the relevant body (e.g. Ombudsman).

Figure A-5.1 provides a detailed outline of the internal process for reviewing objections.

Figure A-5.1 - Tariff class assignment review of objections process



APPENDIX 6 -

Glossary

Appendix 6.1 - Acronyms and abbreviations

Table A.6.1 - Acronyms and abbreviations used throughout this document

Abbreviation	Description
A/C	Air-conditioning
ACS	Alternative Control Service
AER	Australian Energy Regulator
AH	After Hours
B2B	Business-2-Business
BH	Business Hours
CAC	Connection Asset Customers
Capex	Capital Expenditure
CT	Current Transformer
DNSP	Distribution Network Service Provider
DPPC	Designated Pricing Proposal Charges (previously known as TUOS charges)
DRR	Demand Response Ready
DUOS	Distribution Use of System
EG	Embedded Generators
FIT	Feed-in-Tariff (Solar PV)
HV	High Voltage
ICC	Individually Calculated Customers
LV	Low Voltage
NMI	National Meter Identifier
NTC	Network Tariff Code
NUOS	Network Use of System
O/H	Overhead (power lines)
Opex	Operational Expenditure
PFA	Power Factor Adjustment
POA	Price on Application
PV	Photovoltaic (Solar PV)
<i>Rules</i>	National Electricity Rules (or NER)
SAC	Standard Asset Customers
SBS	Solar Bonus Scheme

Abbreviation	Description
SCS	Standard Control Service
TOU	Time of Use
TUOS	Transmission Use of System
U/G	Underground (power cables)

Appendix 6.2 - Measurements

Table A.6.2 - Units of measurement used throughout this document

Base Unit	Unit name	Multiples used in this document
A	ampere	kVA, MVA
h	hour	GWh, kWh, MWh
V	volt	kV, kVA, MVA
W	watt	W, kW, kWh, MW

Table A.6.3 - Multiples of prefixes (units) used throughout this document

Prefix symbol	Prefix name	Prefix multiples by unit	Prefixes used in this document
G	giga	10^9	GWh
M	mega	1 million or 10^6	MW, MWh, MVA
k	kilo	1 thousand or 10^3	kV, kVA, kW, kWh

Appendix 6.3 - Definitions

Table A.6.4 - Definitions of terminology used throughout this document

Term	Abbreviation / Acronym	Definition
After Hours	AH	Any time outside business hours.
Air-conditioning	A/C	An air-conditioning appliance; commonly used in the context of a unit, i.e. A/C unit, including in reference to the PeakSmart ToU tariff.
Alternative Control Service	ACS	This service class includes the provision, construction and maintenance of street lighting assets, and fee-based and quoted services.
Anytime		At the retailer's request, the work is performed within business hours to speed up the completion, and, where necessary after hour fees are charged.
Australian Energy Regulator	AER	The economic regulator of the national electricity market established under Section 44AE of the <i>Competition and Consumer Act 2010</i> (Commonwealth).
Business-2-Business	B2B	A transaction between two businesses, i.e. Energex and an energy retailer.
Business Hours	BH	8 am to 5 pm, Monday to Friday.
Capacity Charge		This part of the tariff seeks to reflect the costs associated with providing network capacity required by a customer on a long-term basis. It is levied on the basis of either contracted demand or the maximum demand in the previous calendar year. The charge is applied as a fixed dollar amount per kVA per month.
Capital Expenditure	Capex	Expenditure typically resulting in an asset (or the amount Energex has spent on assets).
Connection Asset Customer	CAC	Typically, those customers with electricity consumption greater than 4 GWh, but less than 40 GWh, per year at a single connection point; or where demand is greater than or equal to 1 MVA; or where a customer has a dedicated supply system with significant connection assets or the customer has contributed to their dedicated connection assets.
Connection Asset (Contributed or Non-contributed)		Related to building connection assets at a customer's premises as well as the connection of these assets to the distribution network. Connection assets can be contributed (customer funded, then gifted to Energex) or non-contributed (Energex funded).
Current Transformer	CT	Used for measuring alternating electricity current, a CT steps down currents in the system to values suited for metering and protection relay requirements.

Term	Abbreviation / Acronym	Definition
Default Tariff		The tariff to which a customer will be assigned if no tariff is specified by the Retailer on the connection request. The Default Tariff for each tariff class is identified in Assignment of SCS Customers to Tariff Class process which is followed by Energex to determine the correct tariff class and code for a customer.
Demand		The amount of electricity energy being consumed at a given time measured in either kilowatts (kW) or kilovolt amperes (kVA). The difference between the two is the power factor.
Demand Charge		This part of the tariff accounts for the actual demand a customer places on the electricity network. The actual demand levied for billing purposes is the metered monthly maximum demand. The charge is applied as a fixed dollar per kW per month or per kVA per month for EG and SAC Demand customers and a fixed dollar per kVA per month for ICC and CAC customers.
Demand Response Ready	DRR	A DRR appliance, such as a PeakSmart A/C unit, is fitted with a signal receiver that allows demand management of these appliances by Energex.
Distribution Loss Factor		These represent the average electrical energy losses incurred when electricity is transmitted over a distribution network.
Distribution Network Service Provider	DNSP	An entity who engages in the activity of owning, controlling or operating a distribution system which is the distribution network, together with the connection assets associated with the distribution network, which is connected to another transmission or distribution system.
Distribution Use of System	DUOS	This refers to the network charges for the use of the distribution network.
Designated Pricing Proposal Charge	DPPC	Refers to the charges incurred for use of the transmission network; previously referred to as Transmission Use of System (TUOS).
Economy tariff		Specified connected appliances are controlled by network equipment so that supply will be available for a minimum period of 18 hours per day during time periods set at the absolute discretion of Energex.
Embedded Generator	EG	In line with the ENA classification, EGs are generally those generators with an installed capacity as follows: Medium: 1 – 5 MW (LV or HV) or < 1 MW (HV) Large: > 5 MW
Energy		The amount of electricity consumed by a consumer (or all customers) over a period of time. Energy is measured in terms of watt hours (Wh), kilowatt hours (kWh), megawatt hours (MWh) or gigawatt hours (GWh).

Term	Abbreviation / Acronym	Definition
Feed-in-Tariff	FiT	The rate that is to be paid for the excess energy generated by customers and fed back into the electricity grid under the Queensland Solar Bonus Scheme. The FiT rate is determined by the Queensland Government and is paid by the purchaser of the excess energy.
Final Determination		A distribution determination document published by the AER in its role as Energex's economic regulator and that provides for distribution charges to increase during Energex's Regulatory Control Period.
Fixed Charge		The fixed charge seeks to reflect the costs associated with customer's dedicated connection assets. The charge is applied as a fixed dollar amount per day.
High Voltage	HV	Refers to the 11 kV or above network.
Individually Calculated Customer	ICC	Typically those customers with electricity consumption greater than 40 GWh per year at a single connection point; or where the customer's demand is greater than or equal to 10 MVA; or where a customer's circumstances mean that the average shared network charge becomes meaningless or distorted.
Low Voltage	LV	Refers to the sub-11kV network
Micro Generator		AS4777 compliant generators with an installation size of less than 10 kW (single phase) or 30 kW (three phase) connected to the LV network.
National Electricity Rules	the <i>Rules</i>	The legal provisions (enforced by the AER) that regulate the operation of the NEM and the national electricity systems, the activities of market participants and the provision of connection services to retail customers.
National Metering Identifier	NMI	A unique number assigned to each connection point for a premise.
Network Tariff Code	NTC	Energex's nominated code that represents the network tariff being charged to customers for network services.
Network Use of System	NUOS	The tariff for use of the distribution and transmission networks. It is the sum of both Distribution Use of System (DUOS) and Designated Pricing Proposal Charges (DPPC).
Non-Demand		Tariffs that are not demand-based and are energy or consumption-based are classified as Non-Demand. SAC Non-Demand is Energex's tariff class for SAC customers with annual energy consumption less than 100 MWh.
Overhead	O/H	Energex's network distribution supply feed that is constructed overhead as opposed to underground and connects to electrical apparatus such as such as power lines / wires and power poles.
Off-peak Period		All hours which are outside Peak and Shoulder periods.
Operational Expenditure	Opex	Energex's maintenance (asset) and operating (day-to-day) costs.

Term	Abbreviation / Acronym	Definition
Peak Period		Meter type 1 – 4 (ICC, CAC & SAC Demand): The hours between 7 am and 11 pm, Monday to Friday. Meter type 6 (SAC Non-Demand - Business): The hours between 7 am and 9 pm, Monday to Friday. Meter type 6 (SAC Non-Demand - Residential): The hours between 4 pm and 8 pm, Monday to Friday.
PeakSmart A/C		A PeakSmart A/C unit is a DRR A/C unit that, when its signal receiver is activated, allows it to be demand managed by Energex. In addition to other criteria, eligibility for the PeakSmart ToU tariff includes a customer activating at least one PeakSmart A/C at their premise.
Photovoltaic	PV	Refer to Solar PV.
Power Factor		Power factor, is the ratio of kW to kVA, and is a useful measure of the efficiency in the use of the network infrastructure. The closer the power factor is to one (1), the more efficiently the network assets are utilised. Power Factor = kW / kVA
Power Factor Adjustment	PFA	The PFA methodology was been used by Energex between 2010/11 and 2012/13 to facilitate a transition from kW-based to kVA-based charging for EG, CAC and ICC customers. In 2013/14, the PFA methodology was replaced by straight kVA charging for DUOS charges was introduced for these customers.
Price on Application	POA	Where a service is POA, Energex must be contacted by the customer, their retailer or their electrical contractor to obtain a price.
Pricing Proposal		Prepared by Energex in accordance with Clause 6.18.2(a)(2) of the <i>Rules</i> , the Pricing Proposal is provided to the AER for approval and outlines how Energex will collect its approved revenue during the relevant regulatory year.
Primary Tariff		The tariff that reflects the primary use of the premises or the majority of the load, and is capable of existing by itself against a NMI.
Queensland Government Solar Bonus Scheme	SBS	A program that pays residential and other small energy customers for the surplus electricity generated from roof-top solar photovoltaic (PV) systems that is exported to the Queensland electricity grid.
Regulatory Control Period		A standard Regulatory Control Period for DNSPs is a period of not less than 5 regulatory years; Energex's Regulatory Control Period is 2010 – 2015, as per the Final Determination.
Regulatory Year		A specific year within the Regulatory Control Period.
Revenue Cap		The amount of revenue Energex is approved by the AER to recover during the Regulatory Control Period and specific regulatory years.
Secondary Tariff		A secondary tariff is any tariff that is not a primary tariff and is therefore not capable of existing by itself against a NMI.

Term	Abbreviation / Acronym	Definition
Shoulder Period		Meter type 6 (SAC Non-Demand – Residential and Business): The hours between 7 am to 4 pm and 8 pm to 10 pm, Monday to Friday and 7 am to 10 pm weekends.
Site-Specific Charge		This charge is calculated specifically for a site and is specific to the individual connection point.
Solar Photovoltaic	Solar PV	A system that uses sunlight to generate electricity for residential use. The system provides power for the premises with any excess production feeding into the electricity grid.
Standard Asset Customer	SAC	Generally those customers with an annual electricity consumption below 4 GWh per year, whose supply arrangements are consistent across the customer group; and where there is no contribution for their dedicated connection assets. SAC Non-Demand are customers within SAC with consumption less than 100 MWh per year and who are on consumption (kWh) tariffs. SAC Demand are customers within SAC with consumption greater than 100 MWh per year and less than 4 GWh per year and who are on demand (kW) tariffs.
Standard Control Service	SCS	This service class includes network, connection and metering services.
Street Lights (Major)		Lamps in common use for Major Road lighting including: a) High Pressure Sodium 100 watt (S100) and above; b) Metal Halide 150 watt (H150) and above; and c) Mercury Vapour 250 watt (M250) and above.
Street Lights (Minor)		All lamps in common use for Minor Road lighting, including Mercury Vapour, High Pressure Sodium and Fluorescent.
Super Economy Tariff		Specified permanently connected appliances are controlled by network equipment so that supply will be permanently available for a minimum period of 8 hours at the absolute discretion of Energex but usually between the hours of 10:00 pm and 7:00 am.
Tariff		The set of charges applied to a customer in the respective billing period. A tariff consists of one or more charging parameters that comprise the total tariff rate.
Tariff class		A class of customers for one or more direct control services who are subject to a particular tariff or particular tariffs.
Tariff Schedule		This document. Published by Energex annually at the beginning of the financial year, this document outlines its tariffs and charges for SCS and ACS. It also provides information about how Energex assigns customers to tariff classes and the internal review process undertaken if a customer requests a review of a decision. The Tariff Schedule applies for the duration of the relevant financial year.
Time of Use	ToU	Refers to tariffs that vary according to the time of day at which the electricity is consumed.

Term	Abbreviation / Acronym	Definition
Transmission Use of System	TUOS	Superceded terminology for Designated Pricing Proposal Charges (DPPC) which are charges incurred for use of the transmission network.
Underground	U/G	Energex's network distribution supply feed that is constructed underground as opposed to overhead and connects to electrical apparatus such as such as underground power cables.
Unmetered Supply		A customer who takes supply where no meter is installed at the connection point.
Volume (Energy) Charge		This part of the tariff seeks to reflect costs not directly allocated to network drivers and costs that are proportional to the size of the customer. The energy consumption (kWh) for the period, as recorded by the customer's meter, is utilised to calculate this part of the tariff charge. This charge is applied as a fixed amount (cents) per kilowatt hour (kWh), i.e. c/kWh.
Volume (Energy) Charge (Off-peak)		This charge is applicable to those customers who are on a residential and/or business ToU tariff. The energy consumption (kWh) during off-peak periods (refer to Off-peak Period for times), as recorded by the customer's meter, is utilised to calculate this part of the tariff. This charge is applied as a fixed amount (cents) per kilowatt hour (kWh), i.e. c/kWh.
Volume (Energy) Charge (Peak)		This charge is applicable to those customers who are on a residential and/or business ToU tariff. The energy consumption (kWh) during peak periods (refer to Peak Period for times), as recorded by the customer's meter, is utilised to calculate this part of the tariff. This charge is applied as a fixed amount (cents) per kilowatt hour (kWh) i.e. c/kWh.
Volume (Energy) Charge (Shoulder)		This charge is applicable to those customers who are on a residential ToU tariff. The energy consumption (kWh) during shoulder periods (refer to Shoulder Period for times), as recorded by the customer's meter, is utilised to calculate this part of the tariff. This charge is applied as a fixed amount (cents) per kilowatt hour (kWh), i.e. c/kWh.

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