# **Eastland Network Schedule of Charges**

**Effective 1 April 2019** 

### Information for electricity consumers - Disclosure pursuant to Electricity Distribution (Information disclosure) Requirements 2012

Eastland Network is hereby notifying its new line charges effective 1 April 2019. Prices exclude GST. These charges are made by Eastland Network to electricity retailers for the use of its network in supplying electricity to consumers. These charges are not the same as the electricity retail charges that appear on consumer accounts. Retail charges include the other costs, such as energy purchase, that are repackaged by retailers into electricity retail tariffs. Consumers can derive the changes in their individual pricing positions resulting from line charge changes by comparison of the two schedules.

		wn as a per kWh charge as metered at the ICP.	Line	Line Charges Effective 1 April 2019			Line Charges Effective 1 April 201		8	
Domestic Consumers	Price Category		Distribution	Transmission	Total	Customer No's	Distribution	Transmission	Total	Customer No's
High Density	PDH0030	Fixed Charges Variable Uncontrolled Variable Controlled Variable Night	\$0.1125 \$0.1254 \$0.0645 \$0.0318	\$0.0375 \$0.0390 \$0.0203 \$0.0051	\$0.1500 \$0.1644 \$0.0848 \$0.0369	13,887	\$0.1125 \$0.1215 \$0.0631 \$0.0158	\$0.0375 \$0.0400 \$0.0208 \$0.0052	\$0.1500 \$0.1615 \$0.0839 \$0.0210	13,811
_ow Density	PDL0030	Fixed Charges Variable Uncontrolled Variable Controlled	\$0.1125 \$0.1456 \$0.0777	\$0.0375 \$0.0460 \$0.0249	\$0.1500 \$0.1916 \$0.1026	5,694	\$0.1125 \$0.1415 \$0.0763	\$0.0375 \$0.0472 \$0.0255	\$0.1500 \$0.1887 \$0.1018	5,683
Non Domestic		Variable Night	\$0.0367	\$0.0059	\$0.0426		\$0.0184	\$0.0061	\$0.0245	
onsumers		Low Capacity (0 to 3kVA) - Fixed Charges	\$0.3281	\$0.1422	\$0.4703		\$0.3127	\$0.1422	\$0.4549	
	PNH0003	Low Capacity (0 to 3kVA) - Variable Uncontrolled	\$0.1014	\$0.0466	\$0.1480	134	\$0.0985	\$0.0478	\$0.1463	134
		Low Capacity (0 to 3kVA) - Variable Controlled Low Capacity (0 to 3kVA) - Variable Night	\$0.0661 \$0.0257	\$0.0329 \$0.0063	\$0.0990 \$0.0321		\$0.0639 \$0.0123	\$0.0337 \$0.0065	\$0.0976 \$0.0188	
		Demand (0 to 30kVA) - Fixed Charges  Demand (0 to 30kVA) - Variable Uncontrolled	\$1.8444 \$0.0726	\$0.7365 \$0.0334	\$2.5809 \$0.1060		\$1.7580 \$0.0708	\$0.7365 \$0.0343	\$2.4945 \$0.1051	
	PNH0030	Demand (O to 30kVA) - Variable Controlled Demand (O to 30kVA) - Variable Night	\$0.0479 \$0.0247	\$0.0217 \$0.0063	\$0.0696 \$0.0310	1,687	\$0.0461 \$0.0123	\$0.0223 \$0.0065	\$0.0684 \$0.0188	1,656
		Demand (31 to 100kVA) - Fixed Charges	\$5.2255	\$2.4915	\$7.7170		\$4.9811	\$2.4915	\$7.4726	
	PNH0100	Demand (31 to 100kVA) - Variable Uncontrolled Demand (31 to 100kVA) - Variable Controlled	\$0.0494 \$0.0327	\$0.0229 \$0.0147	\$0.0723 \$0.0474	276	\$0.0484 \$0.0314	\$0.0235 \$0.0151	\$0.0719 \$0.0465	282
		Demand (31 to 100kVA) - Variable Night	\$0.0249	\$0.0063	\$0.0312		\$0.0123	\$0.0065	\$0.0188	
	PNH0300	Demand (101 to 300kVA) - Fixed Charges Demand (101 to 300kVA) - Variable Uncontrolled	\$10.8242 \$0.0416	\$4.6981 \$0.0185	\$15.5223 \$0.0601	71	\$10.3171 \$0.0395	\$4.6981 \$0.0190	\$15.0152 \$0.0585	69
	FINITOSOO	Demand (101 to 300kVA) - Variable Controlled Demand (101 to 300kVA) - Variable Night	\$0.0271 \$0.0129	\$0.0120 \$0.0064	\$0.0391 \$0.0192	<b>,</b> ,	\$0.0256 \$0.0123	\$0.0123 \$0.0065	\$0.0379 \$0.0188	03
		TOU - Demand (201 to 300kVA) - Fixed Charges	\$18.0406	\$7.8301	\$25.8707		\$17.1955	\$7.8301	\$25.0256	
	PTH0300	TOU - Demand (201 to 300kVA) - Variable Evening Peak TOU - Demand (201 to 300kVA) - Variable Morning Peak	\$0.0396 \$0.0368	\$0.0166 \$0.0155	\$0.0562 \$0.0523	7	\$0.0373 \$0.0349	\$0.0170 \$0.0159	\$0.0543 \$0.0508	7
igh Density		TOU - Demand (201 to 300kVA) - Variable Off Peak TOU - Demand (201 to 300kVA) - Variable Night	\$0.0292 \$0.0154	\$0.0121 \$0.0063	\$0.0413 \$0.0217		\$0.0274 \$0.0141	\$0.0124 \$0.0065	\$0.0398 \$0.0206	
igii Delisity	•	TOU - Demand (301 to 500kVA) - Fixed Charges	\$20.3368	\$8.8266	\$29.1634		\$19.3841	\$8.8266	\$28.2107	
	PNH0500	TOU - Demand (301 to 500kVA) - Variable Evening Peak TOU - Demand (301 to 500kVA) - Variable Morning Peak	\$0.0396 \$0.0368	\$0.0166 \$0.0155	\$0.0562 \$0.0523	17	\$0.0373 \$0.0349	\$0.0170 \$0.0159	\$0.0543 \$0.0508	17
		TOU - Demand (301 to 500kVA) - Variable Off Peak TOU - Demand (301 to 500kVA) - Variable Night	\$0.0292 \$0.0154	\$0.0121 \$0.0063	\$0.0413 \$0.0217		\$0.0274 \$0.0141	\$0.0124 \$0.0065	\$0.0398 \$0.0206	
		TOU - Demand (501 to 1000kVA) - Fixed Charges	\$31.4890	\$13.6671	\$45.1561		\$30.0139	\$13.6671	\$43.6810	
	PNH1000	TOU - Demand (501 to 1000kVA) - Variable Evening Peak TOU - Demand (501 to 1000kVA) - Variable Morning Peak	\$0.0396 \$0.0368	\$0.0166 \$0.0155	\$0.0562 \$0.0523	23	\$0.0373 \$0.0349	\$0.0170 \$0.0159	\$0.0543 \$0.0508	22
		TOU - Demand (501 to 1000kVA) -Variable Off Peak TOU - Demand (501 to 1000kVA) - Variable Night	\$0.0292	\$0.0121 \$0.0063	\$0.0413 \$0.0217		\$0.0274 \$0.0141	\$0.0124 \$0.0065	\$0.0398 \$0.0206	
		TOU - Demand (1001 to 4500kVA) - Fixed Charges	\$0.0154 \$78.7225	\$34.1677	\$112.8902		\$75.0347	\$34.1677	\$109.2024	
	PNH4500	TOU - Demand (1001 to 4500kVA) - Variable Evening Peak TOU - Demand (1001 to 4500kVA) - Variable Morning Peak	\$0.0396 \$0.0368	\$0.0166 \$0.0155	\$0.0562 \$0.0523	2	\$0.0373 \$0.0349	\$0.0170 \$0.0159	\$0.0543 \$0.0508	2
		TOU - Demand (1001 to 4500kVA) - Variable Off Peak	\$0.0292	\$0.0121	\$0.0413	-	\$0.0274	\$0.0124	\$0.0398	_
	-	TOU - Demand (1001 to 4500kVA) - Variable Night TOU - Demand (4501 to 6500kVA) - Fixed Charges	\$0.0154 \$119.8055	\$0.0063 \$51.9992	\$0.0217 \$171.8047		\$0.0141 \$114.1931	\$0.0065 \$51.9992	\$0.0206 \$166.1923	
	PNH6500	TOU - Demand (4501 to 6500kVA) -Variable Evening Peak TOU - Demand (4501 to 6500kVA) - Variable Morning Peak	\$0.0396 \$0.0368	\$0.0166 \$0.0155	\$0.0562 \$0.0523	1	\$0.0373 \$0.0349	\$0.0170 \$0.0159	\$0.0543 \$0.0508	1
		TOU - Demand (4501 to 6500kVA) - Variable Off Peak	\$0.0292	\$0.0121	\$0.0413	·	\$0.0274	\$0.0124	\$0.0398	
		TOU - Demand (4501 to 6500kVA) - Variable Night Low Capacity (0 to 3kVA) - Fixed Charges	\$0.0154 \$0.3281	\$0.0063 \$0.1422	\$0.0217 \$0.4703		\$0.0141 \$0.3127	\$0.0065 \$0.1422	\$0.0206 \$0.4549	
	PNL0003	Low Capacity (0 to 3kVA) - Variable Uncontrolled Low Capacity (0 to 3kVA) - Variable Controlled	\$0.1183 \$0.0774	\$0.0537 \$0.0378	\$0.1720 \$0.1152	127	\$0.1138 \$0.0739	\$0.0551 \$0.0388	\$0.1689 \$0.1127	122
		Low Capacity (0 to 3kVA) - Variable Night	\$0.0299	\$0.0072	\$0.0372		\$0.0170	\$0.0074	\$0.0244	
	PNL0030	Demand (0 to 30kVA) - Fixed Charges  Demand (0 to 30kVA) - Variable Uncontrolled	\$1.8444 \$0.0774	\$0.7365 \$0.0349	\$2.5809 \$0.1123	7.520	\$1.7580 \$0.0739	\$0.7365 \$0.0358	\$2.4945 \$0.1097	7 5 4 6
	PNLOUSU	Demand (0 to 30kVA) - Variable Controlled Demand (0 to 30kVA) - Variable Night	\$0.0513 \$0.0274	\$0.0227 \$0.0072	\$0.0740 \$0.0346	3,520	\$0.0482 \$0.0143	\$0.0233 \$0.0074	\$0.0715 \$0.0217	3,546
	-	Demand (31 to 100kVA) - Fixed Charges	\$5.2255	\$2.4915	\$7.7170		\$4.9811	\$2.4915	\$7.4726	
	PNL0100	Demand (31 to 100kVA) - Variable Uncontrolled Demand (31 to 100kVA) - Variable Controlled	\$0.0613 \$0.0393	\$0.0265 \$0.0172	\$0.0878 \$0.0565	105	\$0.0563 \$0.0366	\$0.0272 \$0.0176	\$0.0835 \$0.0542	99
		Demand (31 to 100kVA) - Variable Night  Demand (101 to 300kVA) - Fixed Charges	\$0.0211 \$10.8242	\$0.0072 \$4.6981	\$0.0283 \$15.5223		\$0.0143 \$10.3171	\$0.0074 \$4.6981	\$0.0217 \$15.0152	
	PNL0300	Demand (101 to 300kVA) - Variable Uncontrolled	\$0.0474	\$0.0213	\$0.0687	20	\$0.0449	\$0.0218	\$0.0667	20
		Demand (101 to 300kVA) - Variable Controlled  Demand (101 to 300kVA) - Variable Night	\$0.0316 \$0.0300	\$0.0137 \$0.0072	\$0.0453 \$0.0372		\$0.0292 \$0.0171	\$0.0141 \$0.0074	\$0.0433 \$0.0245	
		TOU - Demand (201 to 300kVA) - Fixed Charges TOU - Demand (201 to 300kVA) - Variable Evening Peak	\$18.0406 \$0.0409	\$7.8301 \$0.0172	\$25.8707 \$0.0581		\$17.1955 \$0.0391	\$7.8301 \$0.0176	\$25.0256 \$0.0567	
	PTL0300	TOU - Demand (201 to 300kVA) - Variable Morning Peak	\$0.0380	\$0.0162	\$0.0542	1	\$0.0366	\$0.0166	\$0.0532	1
ow Density		TOU - Demand (201 to 300kVA) - Variable Off Peak TOU - Demand (201 to 300kVA) - Variable Night	\$0.0295 \$0.0153	\$0.0129 \$0.0072	\$0.0424 \$0.0225		\$0.0287 \$0.0147	\$0.0132 \$0.0074	\$0.0419 \$0.0221	
	-	TOU - Demand (301 to 500kVA) - Fixed Charges	\$20.3368 \$0.0409	\$8.8266 \$0.0172	\$29.1634 \$0.0581		\$19.3841 \$0.0391	\$8.8266 \$0.0176	\$28.2107 \$0.0567	
	PNL0500	TOU - Demand (301 to 500kVA) - Variable Evening Peak TOU - Demand (301 to 500kVA) - Variable Morning Peak	\$0.0409	\$0.0172	\$0.0542	4	\$0.0391	\$0.0176	\$0.0532	4
		TOU - Demand (301 to 500kVA) - Variable Off Peak TOU - Demand (301 to 500kVA) - Variable Night	\$0.0295 \$0.0153	\$0.0129 \$0.0072	\$0.0424 \$0.0225		\$0.0287 \$0.0147	\$0.0132 \$0.0074	\$0.0419 \$0.0221	
		TOU - Demand (501 to 1000kVA) - Fixed Charges	\$31.4890	\$13.6671	\$45.1561		\$30.0139	\$13.6671	\$43.6810	
	PNL1000	TOU - Demand (501 to 1000kVA) - Variable Evening Peak TOU - Demand (501 to 1000kVA) - Variable Morning Peak	\$0.0409 \$0.0380	\$0.0172 \$0.0162	\$0.0581 \$0.0542	1	\$0.0391 \$0.0366	\$0.0176 \$0.0166	\$0.0567 \$0.0532	1
		TOU - Demand (501 to 1000kVA) -Variable Off Peak TOU - Demand (501 to 1000kVA) - Variable Night	\$0.0295 \$0.0153	\$0.0129 \$0.0072	\$0.0424 \$0.0225		\$0.0287 \$0.0147	\$0.0132 \$0.0074	\$0.0419 \$0.0221	
		TOU - Demand (1001 to 4500kVA) - Fixed Charges	\$78.7225	\$34.1677	\$112.8902		\$75.0347	\$34.1677	\$109.2024	
	PNL4500	TOU - Demand (1001 to 4500kVA) - Variable Evening Peak TOU - Demand (1001 to 4500kVA) - Variable Morning Peak	\$0.0409 \$0.0380	\$0.0172 \$0.0162	\$0.0581 \$0.0542	1	\$0.0391 \$0.0366	\$0.0176 \$0.0166	\$0.0567 \$0.0532	1
		TOU - Demand (1001 to 4500kVA) - Variable Off Peak TOU - Demand (1001 to 4500kVA) - Variable Night	\$0.0295 \$0.0153	\$0.0129 \$0.0072	\$0.0424 \$0.0225		\$0.0287 \$0.0147	\$0.0132 \$0.0074	\$0.0419 \$0.0221	
		TOU - Demand (4501 to 6500kVA) - Fixed Charges	\$117.8599	\$43.0943	\$160.9543		\$112.2476	\$44.1993	\$156.4469	
	PNL6500	TOU - Demand (4501 to 6500kVA) -Variable Evening Peak TOU - Demand (4501 to 6500kVA) - Variable Morning Peak	\$0.0408 \$0.0380	\$0.0172 \$0.0162	\$0.0580 \$0.0542	0	\$0.0391 \$0.0367	\$0.0176 \$0.0166	\$0.0567 \$0.0533	0
	<del>-</del>	TOU - Demand (4501 to 6500kVA) - Variable Off Peak	\$0.0295	\$0.0129	\$0.0424		\$0.0287	\$0.0132	\$0.0419	_
	PNG0500	TOU - Demand (4501 to 6500kVA) - Variable Night TOU - Demand (301 to 500kVA) - Fixed Charges	\$0.0153 \$20.0073	\$0.0072 \$0.0000	\$0.0225 \$20.0073		\$0.0147 \$19.0546	\$0.0074 \$0.0000	\$0.0221 \$19.0546	
eneration	PNG1000 PNG4500	TOU - Demand (501 to 1000kVA) - Fixed Charges TOU - Demand (1001 to 4500kVA) - Fixed Charges	\$30.4809 \$77.4476	\$0.0000 \$0.0000	\$30.4809 \$77.4476	6 1	\$30.0139 \$73.7596	\$0.0000 \$0.0000	\$30.0139 \$73.7596	6
	PNG4500 PNG6500	TOU - Demand (4501 to 6500kVA) - Fixed Charges	\$117.8653	\$0.0000	\$117.8653	1	\$112.2527	\$0.0000	\$112.2527	1
istributed										

## Tariff definitions, terms and conditions of supply

### Customer classification

Domestic (Price Category PDxxxxx) Connection Definition:

The term 'Person' as used in the Electricity Industry Act 2010, will include any entity: Limited companies, Trusts, in addition to natural persons. The term 'consumer' as defined in the Electricity Industry Act 2010, means any person who is supplied, or applies to be supplied, with electricity other than

An installation only qualifies for the Domestic (Low Fixed Charge) tariff if it satisfies the following:

- It is the consumer's primary and permanent place of residence. This excludes: Holiday homes, shearers' quarters, separately connected outbuildings, premises that constitute any part of premises described in the Residential Tenancies Act 1986.
- No other person residing in these premises is claiming primary domestic residence at another site whether on Eastland Network's distribution system or elsewhere in New Zealand. For the avoidance of doubt: A person cannot have multiple primary places of residence eligible for the Electricity (Low Fixed Charge Option for Domestic Consumers) Regulations 2004. Only one Installation Control Point (ICP) on a consumer's account can be classified as Domestic.
- The connection does not supply electricity for any Non-Domestic, Business, or Commercial activity. Therefore, metering and electricity consumption must be solely for Domestic reasons only (i.e. mixed end use of electricity reverts to Non-Domestic supply).
- Does not exceed the following current limits:

1 Phase	2 Phase	3 Phase
Up to 62 amps	Up to 42 amps	Up to 32 amps
	per phase	per phase

- For Eastland Network to determine the correct tariff, retailers must provide monthly information for 'active' ICPs as below:
- Phone contacts
- Current consumer
- Postal address
- Full name
- Email address (if available)

The preferred format for this information as described in the Electricity Information Exchange Protocols - EIEP4. Please note: Eastland Network needs to be able to ensure eligibility criteria is correct, otherwise the applicable tariff will default to Non-Domestic.

 All persons wishing to change classification to the Domestic definition will be required to complete a 'declaration for domestic supply' and approved by Eastland Network.

Non-Domestic (Price Category PNxxxxx) Connection Definition: All connections that are not Domestic.

#### Supply categories

### Uncontrolled supply

24 hour continuous supply: Supply is in normal circumstances continuously available 24 hours each day, 7 days each week.

18 hour continuous supply: Supply in normal circumstances is available for a minimum of 18 hours each day, 7 days each week.

### Cost of supply zones

### There are two cost of supply zones:

High Density (xxHxxxx) Applies generally to an Urban district. Low Density (xxLxxxx) Applies generally to a Non-urban district.

### Special purpose tariffs

Low capacity (Price Category xxx0003): ICP's are 3kVA connections, protected with a miniature circuit breaker of approved size and installation

Night Rate Tariff (excludes street lighting): From 1 April 2011 this tariff is closed. This tariff was historically made available for the connection of larger, more efficient fixed wire storage capacity appliances (eg Night Store Heaters) only from 23:00 to 07:00hrs daily.

The Residential Night Rate Tariff is not available to any new connections. Connections already on this tariff are permitted to remain on the following terms,

- a) while the customer remains with their current Retailer ie If a customer changes retailer the night rate tariff will not be carried over to the new
- b) while the ICP continuously remains in a connected state. If the ICP is disconnected (ie put in an inactive state) the night rate tariff will not be applied upon reconnection.

Street Light Charges: Demand is aggregated to each control point connection to Eastland Network and an ICP created for each such point. The ICP tariffs for Non-Domestic connections are applied to the assessed demand at each such ICP.

Unmetered Supply: Unless explicitly exempt by Eastland Network NO new unmetered supply points will be allowed on the Network system.

### Time of use (TOU) and assessed demand tariffs

Connections must have compliant metering to be eligible for a TOU tariff. Connections must have a capacity requirement greater than 201kVA and TOU metering to be eligible for the TOU tariffs.

TOU Time Periods are defined as follows:

Morning Peak 07:00 to 12:00 Off Peak 12:00 to 17:00 Evening Peak 17:00 to 21:00 Off Peak 21:00 to 23:00 Night 23:00 to 07:00



### **Demand Assessment**

kVA demand will be reviewed at least annually and is assessed on the following basis:

- For multi-phase installations demand is taken as the maximum of any one phase.
- The minimum fuse size needed by the installation will determine demand.

#### Change of retailer

Consumers on TOU tariffs who wish to change retailers are strongly encouraged to do so at the beginning or end of their billing cycle (i.e. end of month) to avoid delay and complexity in processing the change.

### Network connection requirements

Each new ICP must be able to be de-energised without the de-energisation of any other ICP. Pricing assumes the following connection standards are maintained at all times:

- Compliance with Eastland Network Connection Standards and the **Electricity Regulations**
- Service main voltage drop and condition is kept compliant with the
- **Electricity Regulations** - All trees under the control of the consumer are maintained clear of all Eastland Network equipment
- Pricing assessments will be reviewed at least annually and will remain applicable until the next annual review (i.e. annual pricing)
- Failure by the consumer to remedy non-compliance after written notice may result in allocation of a higher ICP charge to recover losses
- Changes resulting from assessments between reviews will only be considered from the date Eastland Network is requested to confirm

#### Permanent Disconnections from the Network

When an installation is vacated and its ICP status is changed to Inactive by the energy retailer, Eastland Network will permanently disconnect the installation and update the registry status to Decommissioned.

### Power factor

Connections to the Network are required to maintain a power factor of 0.95 lag or better. Failure by the consumer to remedy poor power factor following a written notice of non-conformance, may result in the application of an additional fixed daily charge to the ICP as follows:

### Price category and additional fixed daily charge

xxx0003	xxx0030	xxx0100	xxx0300	xTx0300
\$0.4703	\$2.5809	\$7.7170	\$15.5223	\$25.8707

### Price category and additional fixed daily charge

xxx0500	xxx1000	xxx4500	xxx6500
\$29.1634	\$45.1561	\$112.8902	\$171.8047

### Other items

Time of use (TOU) zone period times refer to the half-hour ending.

Timing of data: Any information required for billing processing needs to be submitted by the retailer to Eastland Network before the fifth working day of the month

Loss factors applicable to Eastland Network:

400V connections 1.1051 11kV connections 1.0822

### Wairoa multiple connections on single invoice (1999 Wairoa legacy issue)

- All connections must be supplied from same single transformer.
- If the property is subdivided or if the consumer wishes to switch retailers, they will be required to establish separate connections to the Network for each installation at their cost. This will ensure that each ICP is able to be de-energised without the de-energisation of any other ICP.
- All multiple connections must be on a Non-Domestic tariff.

### **Distributed Generation connections**

Each generator connected to the Network will be subject to a separate agreement and the line charge will be provided on application to Eastland Network. The line charge will be dependent upon location, the type of connection, the size of the generator and operating pattern.

### Credit adjustments

Eastland Network reserves the right to make any credit adjustments that it may deem necessary in order to satisfy price control targets.

All prices as shown exclude GST

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