

# The Power Company Limited

## Notification of Line Price Changes Effective From 1 April 2020

Pursuant to the Electricity Distribution Information Disclosure Determination 2012, The Power Company Limited (TPCL) hereby gives notice that the following line charges will apply for Installation Control Points (ICPs) as from 1 April 2020

Discounts will be paid to qualifying consumers in September 2020, in line with the Discount Methodology, provided there are no legislative or regulatory changes that would adversely affect the provision or receipt of discounts

This line charge notification is for all Residential customers and General customers up to a contract capacity of 100kVA. Customers over 100kVA are assessed on an individual basis. Changes to prices reflect a decrease in Transmission charges and an increase in distribution maintenance costs and an increased return by The Power Company Limited.

The line charges do not include metering charges and are GST exclusive.

Further information relating to line charges can be found at the following web URL <http://www.powernet.co.nz>

Electricity consumers should note that these are the line charges as charged to the electricity retailers. Individual electricity retailers will make their own decisions whether to adjust their retail prices to consumers to reflect any changes in the line charges. If you have any questions in this regard, you should direct these to your electricity retailer.

Contract Capacity	New Prices Effective from 1 April 2020					Previous Prices Effective to 31 March 2020				
	Code	Number of Consumers	Fixed Price Distribution \$ per day	Fixed Price Transmission \$ per day	Total Fixed Price \$ per day	Fixed Price Distribution \$ per day	Fixed Price Transmission \$ per day	Total Fixed Price \$ per day	Fixed Price Discount \$ per annum	
<b>Fixed Prices</b>										
<b>TPCL Urban Residential Standard</b>										
Small Residential (8kVA 1 Phase) - All Peak	UD08P	83	0.8408	0.1448	0.9856	0.8003	0.1578	0.9581	-	
Small Residential (8kVA 1 Phase) - With Off Peak	UD08O	183	0.8500	0.0947	0.9447	0.9488	0.1034	0.6400	-	
Residential (15kVA 1 Phase) - All Peak	UD20P	1726	1.0123	0.2604	1.2727	1.4480	0.2838	1.7263	-	
Residential (15kVA 1 Phase) - With Off Peak	UD20O	6873	1.0550	0.1817	1.2367	1.2005	0.1980	1.2088	-	
<b>Residential Low Fixed Charge</b>										
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	70	0.1280	0.0220	0.1500	0.1254	0.0246	0.1500	-	
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08O	152	0.0953	0.0147	0.1100	0.0936	0.0164	0.1100	-	
Residential Low Fixed Charge Option (15kVA 1 Phase) - All Peak	UDL20P	1796	0.1280	0.0220	0.1500	0.1254	0.0246	0.1500	-	
Residential Low Fixed Charge Option (15kVA 1 Phase) - With Off Peak	UDL20O	8714	0.0953	0.0147	0.1100	0.0936	0.0164	0.1100	-	
<b>General Single Phase</b>										
Special Lines 1 Phase per kWh	LS001L	9	0.1921	0.0210	0.1431	-	0.1189	0.0220	-	
1 kVA 1 Phase - All Peak	LS001P	27	0.0597	0.1026	0.0683	0.0706	0.1118	0.6824	-	
8 kVA 1 Phase - All Peak	LS008P	224	0.4506	0.3959	2.6923	0.3854	0.8801	0.5172	0.2841	
8 kVA 1 Phase - With Off Peak	LS008O	14	0.4498	0.0947	0.6445	0.208	0.1030	0.6268	-	
15 kVA 1 Phase - All Peak	LS020P	378	1.0122	0.2604	1.7726	0.823	1.4485	0.2871	1.7252	
15 kVA 1 Phase - With Off Peak	LS020O	104	1.0486	0.1818	1.2962	0.9156	0.1978	1.2484	-	
<b>General Three Phase</b>										
15 kVA 3 Phase - All Peak	LFD15P	117	1.4377	0.2476	1.6853	0.838	1.3242	0.2954	1.5496	
15 kVA 3 Phase - With Off Peak	LFD15O	11	0.9779	0.1883	1.458	0.703	0.193	1.076	0.2076	
50 kVA 3 Phase - All Peak	LFD50P	648	2.2975	0.3959	2.6923	1.3424	2.1158	0.5172	2.5263	
50 kVA 3 Phase - With Off Peak	LFD50O	100	1.5371	0.2647	1.8018	0.868	0.2773	1.4381	0.6831	
50 kVA 3 Phase - All Peak	LF050P	317	4.6650	0.8035	6.4685	2.7235	4.2285	0.6299	5.8844	
50 kVA 3 Phase - With Off Peak	LF050O	78	3.1769	0.5470	3.7239	1.8538	0.6550	3.4494	-	
75 kVA 3 Phase - All Peak	LF075P	96	7.8981	1.3603	9.2584	4.6083	3.8467	1.8524	11.3591	
75 kVA 3 Phase - With Off Peak	LF075O	18	6.3033	0.9166	6.289	3.0260	0.9486	4.8424	-	
100 kVA 3 Phase - All Peak	LF100P	20	10.5570	1.8180	12.3750	6.6500	5.6410	2.4762	15.1712	
100 kVA 3 Phase - With Off Peak	LF100O	3	7.3327	1.2607	8.5934	4.2784	0.7798	1.7199	10.4697	
<b>TPCL Rural Residential</b>										
Small Residential (8kVA 1 Phase) - All Peak	RD08P	104	0.8474	0.1631	1.1105	0.9074	0.1778	1.0852	-	
Small Residential (8kVA 1 Phase) - With Off Peak	RD08O	89	0.8417	0.1105	0.7522	0.8147	0.1204	0.7261	-	
Residential (15kVA 1 Phase) - All Peak	RD20P	1963	1.7414	0.2609	2.0413	1.6881	0.2807	1.9688	-	
Residential (15kVA 1 Phase) - With Off Peak	RD20O	581	1.1917	0.2052	1.3969	1.1415	0.2238	1.3651	-	
<b>Residential Low User</b>										
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	39	0.1280	0.0220	0.1500	0.1254	0.0246	0.1500	-	
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08O	81	0.0953	0.0147	0.1100	0.0936	0.0164	0.1100	-	
Residential Low Fixed Charge Option (15kVA 1 Phase) - All Peak	RDL20P	836	0.1280	0.0220	0.1500	0.1254	0.0246	0.1500	-	
Residential Low Fixed Charge Option (15kVA 1 Phase) - With Off Peak	RDL20O	2055	0.0953	0.0147	0.1100	0.0936	0.0164	0.1100	-	
<b>General Single Phase</b>										
Special Lines 1 Phase per kWh	RS001L	9	0.1974	0.0237	0.1611	-	0.1316	0.0258	-	
1 kVA 1 Phase - All Peak	RS001P	125	0.0597	0.1026	0.0683	0.0706	0.1118	0.6824	-	
8 kVA 1 Phase - All Peak	RS008P	1051	0.5474	0.4861	3.1092	0.5728	0.9778	0.5874	0.2841	
8 kVA 1 Phase - With Off Peak	RS008O	28	0.6417	0.1105	0.7522	0.14	0.1204	0.7261	-	
15 kVA 1 Phase - All Peak	RS020P	1645	1.7414	0.2609	2.0413	1.0181	1.6881	0.2807	1.9688	
15 kVA 1 Phase - With Off Peak	RS020O	342	1.1917	0.2052	1.3969	0.9153	0.2238	1.3651	-	
<b>General Three Phase</b>										
15 kVA 3 Phase - All Peak	RTD15P	337	1.6465	0.2830	1.9300	0.8607	1.5145	0.2987	1.8112	
15 kVA 3 Phase - With Off Peak	RTD15O	12	1.1200	0.1929	1.4131	0.636	0.2021	1.2430	-	
50 kVA 3 Phase - All Peak	RTD50P	1841	2.5275	0.3959	2.9234	1.5311	2.4202	0.4741	2.8943	
50 kVA 3 Phase - With Off Peak	RTD50O	433	1.7849	0.2623	2.0472	1.0415	0.3220	1.6600	0.6831	
50 kVA 3 Phase - All Peak	RT050P	692	5.8306	0.9166	6.7472	3.0160	4.8014	0.6550	8.6009	
50 kVA 3 Phase - With Off Peak	RT050O	614	3.6566	0.6297	4.2863	2.1336	0.6503	3.7903	-	
75 kVA 3 Phase - All Peak	RTD75P	94	9.4779	1.6311	11.1090	5.0301	11.3905	2.2244	13.6748	
75 kVA 3 Phase - With Off Peak	RTD75O	41	6.3854	1.0903	7.4757	3.7272	1.6576	9.1481	-	
100 kVA 3 Phase - All Peak	RTD100P	28	12.8562	2.1844	15.0406	7.4012	15.1892	2.9276	18.1098	
100 kVA 3 Phase - With Off Peak	RTD100O	9	8.7994	1.5162	10.3156	5.0420	2.0638	12.3791	-	
<b>Volume Variable Prices</b>										
			Variable Price Distribution \$ per day kWh	Variable Price Transmission \$ per day kWh	Total Variable Price \$ per day kWh	Discount per kWh	Variable Price Distribution \$ per day kWh	Variable Price Transmission \$ per day kWh	Total Variable Price \$ per day kWh	
Residential	16301		0.07879	0.01322	0.09001	0.01740	0.07355	0.01441	0.08796	
General	9648		0.07879	0.01322	0.09001	0.00980	0.07355	0.01441	0.08796	
All Residential Low User (8kVA 1 Phase)	200		0.07845	0.01712	0.09557	0.01740	0.09861	0.01864	0.11385	
All Residential Low User (15kVA 1 Phase)	10461		0.12407	0.02136	0.14543	0.01740	0.11874	0.02326	0.14200	
Distributed Generation Export										

**Residential definition** - a residential consumer is where the consumer's metered point of connection to the network is for the purposes of supplying a home (the principle place of residence of the consumer), not normally used for any business activity and not used as a holiday home. Residential consumers may only change their price code once per 12 month period.

### Volume Prices

The volume prices shown apply to the Day MWh Purchases as metered at the Transpower Grid Supply Point.

Day is defined as 0700 - 2300 hours.

The above variable price translates to a Day kWh customer rate of **\$0.09984**  
 The above Residential Low Fixed Charge Option (15 kVA) variable price translates to a Day kWh customer price of **\$0.16131**  
 The above Residential Low Fixed Charge Option (8 kVA) variable price translates to a Day kWh customer price of **\$0.12929**

### Distributed Generation Export Variable Price

The volume prices apply to distributed generation exported into the distribution network and reported at the GXP, Code DG24 **\$/kWh \$0.000**

With Off Peak - The eligibility for a "with off peak" delivery price is determined on the basis that at least 25% of the total energy consumption is separately metered and controlled by a rattle relay, such as a water heater or consumed between 23:00 and 07:00 hours.

Small Residential 8kVA - The 8kVA small residential consumer requires a 32-amp circuit breaker to be installed on the main switchboard to control the complete installation. This capacity is only allowed for single-phase installations.

### Line Losses

Line loss factors for all non-half hour metered ICPs are:

Winter Day	1.1350
Winter Night	1.0819
Summer Day	1.1256
Summer Night	1.0592

### PNL Line Loss Code

TPCOGXP - Standard Residential & General
TPCOL1 - Residential low user 15kVA
TPCOL2 - Residential low user 8kVA

PNL Line Loss Codes and Factors - for all Half Hour metered ICPs can be found at the following URL: <http://www.powernet.co.nz/index.php?page=Load=68>

**Urban** - means an urban area is where the transformer capacity density of the 11kV line or cables is at least 120kVA/km and where there is a prevalence of transformers in excess of 100kVA per unit and consists of at least 50 customers within a continuous boundary and within 20 km of a zone substation.

The above definition includes the following townships:

- > Invercargill
- > Gore
- > Te Anau
- > Wairere
- > Mataura
- > Renwick
- > Otaia
- > Tapanui
- > Oha
- > Nightcaps
- > Moeraki
- > Riversdale
- > Manapouri
- > Tapanui
- > Edendale
- > Wyndham
- > Waimatene
- > Otaia

### Power Factor Charges

All charges assume a power factor of not less than 0.95 lagging. Non-Domestic customers may have a data logger installed to assess their power factor. If a non-domestic customer has a power factor of less than 0.95 lagging and after a period of 12 months notice has not been corrected then an annual power factor charge of \$80 per kVA will be applied.

The kVA is based on the total kVA less kVA at 0.95 power factor. The kVA will be assessed on the average of the 12 highest kWh half hour periods during the assessment period.

Application of the power factor charge will be at the sole discretion of the Distributor.