

The Power Company Limited

Notification of Line Price Changes

Pursuant to the Electricity Distribution Information Disclosure Determination 2012, The Power Company Limited hereby gives notice that the following line charges will apply for Installation Control Points (ICPs) as from 1 April 2018

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 an increase 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	Code	Number of Consumers	New Charges Effective from 1 April 2018			Previous Charges Effective to 31 March 2018		
			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 Prices								
TPC Urban								
Residential Standard								
Small Residential (8kVA 1 Phase) - All Peak	UD08P	73	\$ 0.7678	\$ 0.1703	\$ 0.9381	\$ 0.7325	\$ 0.1902	\$ 0.9227
Small Residential (8kVA 1 Phase) - With Off Peak	UD08O	218	\$ 0.5022	\$ 0.1114	\$ 0.6136	\$ 0.4791	\$ 0.1244	\$ 0.6035
Residential (20kVA 1 Phase) - All Peak	UD20P	1521	\$ 1.3811	\$ 0.3063	\$ 1.6874	\$ 1.3177	\$ 0.3421	\$ 1.6598
Residential (20kVA 1 Phase) - With Off Peak	UD20O	8099	\$ 0.9634	\$ 0.2137	\$ 1.1771	\$ 0.9192	\$ 0.2386	\$ 1.1578
Residential Low Fixed Charge								
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	56	\$ 0.1228	\$ 0.0272	\$ 0.1500	\$ 0.1191	\$ 0.0309	\$ 0.1500
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08O	142	\$ 0.0818	\$ 0.0182	\$ 0.1000	\$ 0.0794	\$ 0.0206	\$ 0.1000
Residential Low Fixed Charge Option (20kVA 1 Phase) - All Peak	UDL20P	1143	\$ 0.1228	\$ 0.0272	\$ 0.1500	\$ 0.1191	\$ 0.0309	\$ 0.1500
Residential Low Fixed Charge Option (20kVA 1 Phase) - With Off Peak	UDL20O	4897	\$ 0.0818	\$ 0.0182	\$ 0.1000	\$ 0.0794	\$ 0.0206	\$ 0.1000
General Single Phase								
Street Lights (1 Phase) per light	US001L	9	\$ 0.1115	\$ 0.0247	\$ 0.1362	\$ 0.1064	\$ 0.0276	\$ 0.1340
1 kVA 1 Phase - All Peak	US001P	37	\$ 0.5440	\$ 0.1207	\$ 0.6647	\$ 0.5191	\$ 0.1347	\$ 0.6538
8 kVA 1 Phase - All Peak	US008P	228	\$ 0.7677	\$ 0.1703	\$ 0.9380	\$ 0.7325	\$ 0.1902	\$ 0.9227
8 kVA 1 Phase - With Off Peak	US008O	14	\$ 0.5021	\$ 0.1114	\$ 0.6135	\$ 0.4791	\$ 0.1244	\$ 0.6035
20 kVA 1 Phase - All Peak	US020P	363	\$ 1.3810	\$ 0.3063	\$ 1.6873	\$ 1.3176	\$ 0.3421	\$ 1.6597
20 kVA 1 Phase - With Off Peak	US020O	106	\$ 0.9634	\$ 0.2136	\$ 1.1770	\$ 0.9192	\$ 0.2386	\$ 1.1578
General Three Phase								
15 kVA 3 Phase - All Peak	UT015P	103	\$ 1.1442	\$ 0.2537	\$ 1.3979	\$ 1.0917	\$ 0.2834	\$ 1.3751
15 kVA 3 Phase - With Off Peak	UT015O	12	\$ 0.7634	\$ 0.1671	\$ 0.9205	\$ 0.7189	\$ 0.1866	\$ 0.9055
30 kVA 3 Phase - All Peak	UT030P	540	\$ 1.9391	\$ 0.4301	\$ 2.3692	\$ 1.8502	\$ 0.4803	\$ 2.3305
30 kVA 3 Phase - With Off Peak	UT030O	102	\$ 1.2975	\$ 0.2878	\$ 1.5853	\$ 1.2380	\$ 0.3214	\$ 1.5594
50 kVA 3 Phase - All Peak	UT050P	309	\$ 3.9343	\$ 0.8725	\$ 4.8068	\$ 3.7538	\$ 0.9745	\$ 4.7283
50 kVA 3 Phase - With Off Peak	UT050O	83	\$ 2.6786	\$ 0.5941	\$ 3.2727	\$ 2.5558	\$ 0.6635	\$ 3.2193
75 kVA 3 Phase - All Peak	UT075P	92	\$ 8.5426	\$ 2.1163	\$ 11.6589	\$ 9.1048	\$ 2.3637	\$ 11.4685
75 kVA 3 Phase - With Off Peak	UT075O	19	\$ 4.8416	\$ 1.0284	\$ 5.8700	\$ 4.3368	\$ 1.1591	\$ 5.4959
100 kVA 3 Phase - All Peak	UT100P	17	\$ 17.6759	\$ 3.9201	\$ 21.5960	\$ 16.8651	\$ 4.3783	\$ 21.2434
100 kVA 3 Phase - With Off Peak	UT100O	3	\$ 12.2769	\$ 2.7227	\$ 14.9996	\$ 11.7138	\$ 3.0409	\$ 14.7547
TPC Rural								
Residential								
Small Residential (8kVA 1 Phase) - All Peak	RD08P	97	\$ 0.9652	\$ 0.1919	\$ 1.0571	\$ 0.8255	\$ 0.2143	\$ 1.0398
Small Residential (8kVA 1 Phase) - With Off Peak	RD08O	100	\$ 0.5981	\$ 0.1300	\$ 0.7181	\$ 0.5592	\$ 0.1452	\$ 0.7044
Residential (20kVA 1 Phase) - All Peak	RD20P	1820	\$ 1.5904	\$ 0.3527	\$ 1.9431	\$ 1.5175	\$ 0.3939	\$ 1.9114
Residential (20kVA 1 Phase) - With Off Peak	RD20O	5744	\$ 1.0883	\$ 0.2414	\$ 1.3297	\$ 1.0384	\$ 0.2696	\$ 1.3080
Residential Low User								
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	36	\$ 0.1228	\$ 0.0272	\$ 0.1500	\$ 0.1191	\$ 0.0309	\$ 0.1500
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08O	24	\$ 0.0818	\$ 0.0182	\$ 0.1000	\$ 0.0794	\$ 0.0206	\$ 0.1000
Residential Low Fixed Charge Option (20kVA 1 Phase) - All Peak	RDL20P	648	\$ 0.1228	\$ 0.0272	\$ 0.1500	\$ 0.1191	\$ 0.0309	\$ 0.1500
Residential Low Fixed Charge Option (20kVA 1 Phase) - With Off Peak	RDL20O	1721	\$ 0.0818	\$ 0.0182	\$ 0.1000	\$ 0.0794	\$ 0.0206	\$ 0.1000
General Single Phase								
Street Lights (1 Phase) per light	RS001L	9	\$ 0.1255	\$ 0.0278	\$ 0.1533	\$ 0.1197	\$ 0.0311	\$ 0.1508
1 kVA 1 Phase - All Peak	RS001P	129	\$ 0.5440	\$ 0.1207	\$ 0.6647	\$ 0.5191	\$ 0.1347	\$ 0.6538
8 kVA 1 Phase - All Peak	RS008P	1025	\$ 0.9652	\$ 0.1919	\$ 1.0571	\$ 0.8255	\$ 0.2143	\$ 1.0398
8 kVA 1 Phase - With Off Peak	RS008O	26	\$ 0.5981	\$ 0.1300	\$ 0.7181	\$ 0.5592	\$ 0.1452	\$ 0.7044
20 kVA 1 Phase - All Peak	RS020P	1677	\$ 1.5904	\$ 0.3527	\$ 1.9431	\$ 1.5175	\$ 0.3939	\$ 1.9114
20 kVA 1 Phase - With Off Peak	RS020O	353	\$ 1.0883	\$ 0.2414	\$ 1.3297	\$ 1.0384	\$ 0.2696	\$ 1.3080
General Three Phase								
15 kVA 3 Phase - All Peak	RT015P	304	\$ 1.2975	\$ 0.2878	\$ 1.5853	\$ 1.2380	\$ 0.3214	\$ 1.5594
15 kVA 3 Phase - With Off Peak	RT015O	14	\$ 0.8790	\$ 0.1950	\$ 1.0740	\$ 0.8388	\$ 0.2177	\$ 1.0565
30 kVA 3 Phase - All Peak	RT030P	1892	\$ 2.2181	\$ 0.4919	\$ 2.7100	\$ 2.1163	\$ 0.5494	\$ 2.6657
30 kVA 3 Phase - With Off Peak	RT030O	439	\$ 1.5067	\$ 0.3341	\$ 1.8408	\$ 1.4375	\$ 0.3732	\$ 1.8107
50 kVA 3 Phase - All Peak	RT050P	651	\$ 4.5982	\$ 0.9994	\$ 5.5976	\$ 4.2995	\$ 1.1182	\$ 5.4177
50 kVA 3 Phase - With Off Peak	RT050O	506	\$ 3.0831	\$ 0.6838	\$ 3.7669	\$ 2.9417	\$ 0.7637	\$ 3.7054
75 kVA 3 Phase - All Peak	RT075P	95	\$ 11.4536	\$ 2.5401	\$ 13.9937	\$ 10.9282	\$ 2.8370	\$ 13.7652
75 kVA 3 Phase - With Off Peak	RT075O	34	\$ 7.7149	\$ 1.7110	\$ 9.4259	\$ 7.3610	\$ 1.9110	\$ 9.2720
100 kVA 3 Phase - All Peak	RT100P	30	\$ 21.2334	\$ 4.7091	\$ 25.9425	\$ 20.2655	\$ 5.2594	\$ 25.5189
100 kVA 3 Phase - With Off Peak	RT100O	9	\$ 14.7322	\$ 3.2673	\$ 17.9995	\$ 14.0565	\$ 3.6491	\$ 17.7056
Volume Variable Prices								
			Variable Price Distribution \$ per day MWh	Variable Price Transmission \$ per day MWh	Total Variable Price \$ per day MWh	Variable Price Distribution \$ per day MWh	Variable Price Transmission \$ per day MWh	Total Variable Price \$ per day MWh
All price options except for Residential Low Fixed Charge Options		26902	\$ 70.13	\$ 15.55	\$ 85.68	\$ 66.91	\$ 17.37	\$ 84.28
All Residential Low Fixed Charge Option (8kVA 1 Phase)		258	\$ 90.62	\$ 20.10	\$ 110.72	\$ 85.40	\$ 22.43	\$ 108.83
All Residential Low Fixed Charge Option (20kVA 1 Phase)		8409	\$ 113.11	\$ 25.08	\$ 138.19	\$ 107.85	\$ 28.00	\$ 135.85

The variable rates shown apply to the Day MWh Purchases as metered at the Transpower Grid Supply Point. Day is defined as 0700 - 2300 hours.

* These tariff options require a 32 amp circuit breaker to be

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. The connection must meet the definition of "Domestic premises" under Section 5 of the Electricity Industry Act 2010. 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 MWh customer rate of

\$95.04

The above Residential Low Fixed Charge Option (20 kVA) variable price translates to a Day MWh customer price of

\$153.28

The above Residential Low Fixed Charge Option (8 kVA) variable price translates to a Day MWh customer price of

\$122.81

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 ripple 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 L	1.1350
Winter A	1.0819
Summer	1.1256
Summer	1.0592

PNL Line Loss Code

TPCOGXP - all Non-Half Hour Metered ICPs

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

Urban - means an urban area 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
- > Winton
- > Mataura
- > Riverton
- > Otautau
- > Tuatapere
- > Ohai
- > Nightcaps
- > Mossburn
- > Riversdale
- > Manapouri
- > Tapanui
- > Edendale
- > Wyndham
- > Wallacestown
- > Otatara

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.