

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 2017

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	New Charges Effective from 1 April 2017					Previous Charges Effective to 31 March 2017		
	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 Prices								
TPC Urban								
Residential Standard								
Small Residential (8kVA 1 Phase) - All Peak	UD08P	65	\$ 0.7325	\$ 0.1902	\$ 0.9227	\$ 0.7209	\$ 0.1798	\$ 0.9007
Small Residential (8kVA 1 Phase) - With Off Peak	UD08Q	236	\$ 0.4791	\$ 0.1244	\$ 0.6035	\$ 0.4715	\$ 0.1176	\$ 0.5891
Residential (20kVA 1 Phase) - All Peak	UD20P	1231	\$ 1.3177	\$ 0.3421	\$ 1.6598	\$ 1.2968	\$ 0.3234	\$ 1.6202
Residential (20kVA 1 Phase) - With Off Peak	UD20Q	8871	\$ 0.9192	\$ 0.2386	\$ 1.1578	\$ 0.9046	\$ 0.2256	\$ 1.1302
Residential Low Fixed Charge								
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	UDL08P	41	\$ 0.1191	\$ 0.0309	\$ 0.1500	\$ 0.1201	\$ 0.0299	\$ 0.1500
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	UDL08Q	142	\$ 0.0794	\$ 0.0206	\$ 0.1000	\$ -	\$ -	\$ -
Residential Low Fixed Charge Option (20kVA 1 Phase) - All Peak	UDL20P	853	\$ 0.1191	\$ 0.0309	\$ 0.1500	\$ 0.1201	\$ 0.0299	\$ 0.1500
Residential Low Fixed Charge Option (20kVA 1 Phase) - With Off Peak	UDL20Q	4563	\$ 0.0794	\$ 0.0206	\$ 0.1000	\$ -	\$ -	\$ -
General Single Phase								
Street Lights (1 Phase) per light	US001L	9	\$ 0.1064	\$ 0.0276	\$ 0.1340	\$ 0.1047	\$ 0.0261	\$ 0.1308
1 kVA 1 Phase - All Peak	US001P	43	\$ 0.5191	\$ 0.1347	\$ 0.6538	\$ 0.5108	\$ 0.1274	\$ 0.6382
8 kVA 1 Phase - All Peak	US008P	212	\$ 0.7325	\$ 0.1902	\$ 0.9227	\$ 0.7209	\$ 0.1798	\$ 0.9007
8 kVA 1 Phase - With Off Peak	US008Q	15	\$ 0.4791	\$ 0.1244	\$ 0.6035	\$ 0.4715	\$ 0.1176	\$ 0.5891
20 kVA 1 Phase - All Peak	US020P	355	\$ 1.3176	\$ 0.3421	\$ 1.6597	\$ 1.2968	\$ 0.3234	\$ 1.6202
20 kVA 1 Phase - With Off Peak	US020Q	114	\$ 0.9192	\$ 0.2386	\$ 1.1578	\$ 0.9046	\$ 0.2256	\$ 1.1302
General Three Phase								
15 kVA 3 Phase - All Peak	UT015P	100	\$ 1.0917	\$ 0.2834	\$ 1.3751	\$ 1.0744	\$ 0.2679	\$ 1.3423
15 kVA 3 Phase - With Off Peak	UT015Q	12	\$ 0.7189	\$ 0.1866	\$ 0.9055	\$ 0.7075	\$ 0.1764	\$ 0.8839
30 kVA 3 Phase - All Peak	UT030P	537	\$ 1.8502	\$ 0.4803	\$ 2.3305	\$ 1.8209	\$ 0.4541	\$ 2.2750
30 kVA 3 Phase - With Off Peak	UT030Q	112	\$ 1.2380	\$ 0.3214	\$ 1.5594	\$ 1.2184	\$ 0.3039	\$ 1.5223
50 kVA 3 Phase - All Peak	UT050P	305	\$ 3.7538	\$ 0.9745	\$ 4.7283	\$ 3.6944	\$ 0.9213	\$ 4.6157
50 kVA 3 Phase - With Off Peak	UT050Q	90	\$ 2.5558	\$ 0.6635	\$ 3.2193	\$ 2.5153	\$ 0.6273	\$ 3.1426
75 kVA 3 Phase - All Peak	UT075P	85	\$ 9.1048	\$ 2.3637	\$ 11.4685	\$ 8.9607	\$ 2.2346	\$ 11.1953
75 kVA 3 Phase - With Off Peak	UT075Q	22	\$ 6.1366	\$ 1.5931	\$ 7.7297	\$ 6.0395	\$ 1.5061	\$ 7.5456
100 kVA 3 Phase - All Peak	UT100P	16	\$ 16.8651	\$ 4.3783	\$ 21.2434	\$ 16.5982	\$ 4.1392	\$ 20.7374
100 kVA 3 Phase - With Off Peak	UT100Q	2	\$ 11.7138	\$ 3.0409	\$ 14.7547	\$ 11.5284	\$ 2.8749	\$ 14.4033
TPC Rural								
Residential								
Small Residential (8kVA 1 Phase) - All Peak	RD08P	96	\$ 0.8255	\$ 0.2143	\$ 1.0398	\$ 0.8124	\$ 0.2026	\$ 1.0150
Small Residential (8kVA 1 Phase) - With Off Peak	RD08Q	109	\$ 0.5592	\$ 0.1452	\$ 0.7044	\$ 0.5504	\$ 0.1372	\$ 0.6876
Residential (20kVA 1 Phase) - All Peak	RD20P	1302	\$ 1.5175	\$ 0.3939	\$ 1.9114	\$ 1.4935	\$ 0.3724	\$ 1.8659
Residential (20kVA 1 Phase) - With Off Peak	RD20Q	6429	\$ 1.0384	\$ 0.2696	\$ 1.3080	\$ 1.0220	\$ 0.2548	\$ 1.2768
Residential Low User								
Residential Low Fixed Charge Option (8kVA 1 Phase) - All Peak	RDL08P	33	\$ 0.1191	\$ 0.0309	\$ 0.1500	\$ 0.1201	\$ 0.0299	\$ 0.1500
Residential Low Fixed Charge Option (8kVA 1 Phase) - With Off Peak	RDL08Q	21	\$ 0.0794	\$ 0.0206	\$ 0.1000	\$ 0.0400	\$ 0.0100	\$ 0.0500
Residential Low Fixed Charge Option (20kVA 1 Phase) - All Peak	RDL20P	459	\$ 0.1191	\$ 0.0309	\$ 0.1500	\$ 0.1201	\$ 0.0299	\$ 0.1500
Residential Low Fixed Charge Option (20kVA 1 Phase) - With Off Peak	RDL20Q	1612	\$ 0.0794	\$ 0.0206	\$ 0.1000	\$ 0.0400	\$ 0.0100	\$ 0.0500
General Single Phase								
Street Lights (1 Phase) per light	RS001L	9	\$ 0.1197	\$ 0.0311	\$ 0.1508	\$ 0.1178	\$ 0.0294	\$ 0.1472
1 kVA 1 Phase - All Peak	RS001P	126	\$ 0.5191	\$ 0.1347	\$ 0.6538	\$ 0.5108	\$ 0.1274	\$ 0.6382
8 kVA 1 Phase - All Peak	RS008P	1020	\$ 0.8255	\$ 0.2143	\$ 1.0398	\$ 0.8124	\$ 0.2026	\$ 1.0150
8 kVA 1 Phase - With Off Peak	RS008Q	24	\$ 0.5592	\$ 0.1452	\$ 0.7044	\$ 0.5504	\$ 0.1372	\$ 0.6876
20 kVA 1 Phase - All Peak	RS020P	1719	\$ 1.5175	\$ 0.3939	\$ 1.9114	\$ 1.4935	\$ 0.3724	\$ 1.8659
20 kVA 1 Phase - With Off Peak	RS020Q	323	\$ 1.0384	\$ 0.2696	\$ 1.3080	\$ 1.0220	\$ 0.2548	\$ 1.2768
General Three Phase								
15 kVA 3 Phase - All Peak	RT015P	301	\$ 1.2380	\$ 0.3214	\$ 1.5594	\$ 1.2184	\$ 0.3039	\$ 1.5223
15 kVA 3 Phase - With Off Peak	RT015Q	14	\$ 0.8388	\$ 0.2177	\$ 1.0565	\$ 0.8255	\$ 0.2058	\$ 1.0313
30 kVA 3 Phase - All Peak	RT030P	1905	\$ 2.1163	\$ 0.5494	\$ 2.6657	\$ 2.0828	\$ 0.5194	\$ 2.6022
30 kVA 3 Phase - With Off Peak	RT030Q	440	\$ 1.4375	\$ 0.3732	\$ 1.8107	\$ 1.4148	\$ 0.3528	\$ 1.7676
50 kVA 3 Phase - All Peak	RT050P	438	\$ 4.2995	\$ 1.1162	\$ 5.4157	\$ 4.2315	\$ 1.0552	\$ 5.2867
50 kVA 3 Phase - With Off Peak	RT050Q	713	\$ 2.9417	\$ 0.7637	\$ 3.7054	\$ 2.8951	\$ 0.7220	\$ 3.6171
75 kVA 3 Phase - All Peak	RT075P	74	\$ 10.9282	\$ 2.8370	\$ 13.7652	\$ 10.7552	\$ 2.6921	\$ 13.4473
75 kVA 3 Phase - With Off Peak	RT075Q	49	\$ 7.3610	\$ 1.9110	\$ 9.2720	\$ 7.2446	\$ 1.8066	\$ 9.0512
100 kVA 3 Phase - All Peak	RT100P	24	\$ 20.2595	\$ 5.2594	\$ 25.5189	\$ 19.9388	\$ 4.9723	\$ 24.9111
100 kVA 3 Phase - With Off Peak	RT100Q	12	\$ 14.0565	\$ 3.6491	\$ 17.7056	\$ 13.8340	\$ 3.4499	\$ 17.2839
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		27559	\$ 66.91	\$ 17.37	\$ 84.28	\$ 65.85	\$ 16.42	\$ 82.27
All Residential Low Fixed Charge Option (8kVA 1 Phase)		237	\$ 86.40	\$ 22.43	\$ 108.83	\$ 88.84	\$ 22.15	\$ 110.99
All Residential Low Fixed Charge Option (20kVA 1 Phase)		7487	\$ 107.85	\$ 28.00	\$ 135.85	\$ 109.95	\$ 27.42	\$ 137.37

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.

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	\$93.48
The above Residential Low Fixed Charge Option (20 kVA) variable price translates to a Day MWh customer price of	\$150.68
The above Residential Low Fixed Charge Option (8 kVA) variable price translates to a Day MWh customer price of	\$120.71

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 Day	1.1350
	Winter Night	1.0819
	Summer Day	1.1256
	Summer Nigh	1.0592

PNL Line Loss Code TPCOGXP - all Non-Half Hour Metered ICP's

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

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
- > Winton
- > Maitai
- > Riverton
- > Otautau
- > Tuatapere
- > Ohai
- > Nightcaps
- > Mosburn
- > Riversdale
- > Manapouri
- > Tapanui
- > Edendale
- > Wyndham
- > Wallacetown
- > 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.