

POWER LINES CHARGES

FOR WELLINGTON ELECTRICITY CONSUMERS 1 APRIL 2021

Who are Wellington Electricity?

Wellington Electricity (WE*) are the distribution (lines) company responsible for managing the poles, wires and equipment in the Wellington, Porirua, Lower Hutt and Upper Hutt areas. Our prices and quality standards are regulated under Part 4 of the Commerce Act which is governed by the Commerce Commission.

Price increase for Lines Charges to take effect from 1 April 2021

From 1 April 2021 our electricity lines charge prices will increase by an average of 5% across all price categories. Lines charges make up about a third of your electricity bill. This coming year's prices are made up of a 1% increase in Transpower's lines charges and a 4% increase in our distribution lines charges.

We have kept most of our prices unchanged since 2017, until last year, when we reduced the majority of our prices by 14%.

What makes up my electricity bill?

To understand how these changes may impact your bill, it's useful to understand that the electricity market in New Zealand is made up of a number of suppliers:

- Generators (companies making the electricity)
- A Transmission company (Transpower, who transport electricity around the country)
- Distributors (lines companies within your local region); and
- Retailers (who retail energy to your home).

Transpower's charges (transmission charges) are added to our charges (distribution charges) to make up what are called "lines charges". Transpower's charges make up about 10% of the electricity bill. Retailers re-package these distribution and transmission charges, along with other costs into the final retail pricing they offer their customers.

What's changing?

Like roads at rush-hour, our network has busy times. We could build a larger network to cope with those busy periods and pass those costs on, or we could encourage people to use the network when it is not as busy. We favour the latter, because it helps keep our prices lower over time.

So, we are now making our residential prices more expensive during busy times (weekday mornings and evenings) and cheaper in the less-busy times (midday and night-time on weekdays and all weekend). We call the busy times "peak"² and the less busy times "off-peak"³ and refer to this type of pricing as "Time of Use" (ToU).

We introduced ToU pricing in 2020 as an optional pricing category for retailers and are now applying ToU pricing to all residential consumers who have meters that are capable of measuring electricity consumption by half-hour intervals. Information on how ToU prices are applied and how consumers can benefit from the new prices can be found on our website: <https://www.welectricity.co.nz/disclosures/pricing/time-of-use-pricing>.

If you use electricity off-peak or outside the busy times wherever possible (e.g. to run a washing machine or charge an electric vehicle), then you could save money on the lines charges part of your power bill. You can check with your electricity retailer whether they will be offering these prices, or try Consumer's Powerswitch website to compare retailer prices: <https://www.powerswitch.org.nz>.

In the pipeline

Over the last year, Wellington Electricity has been working with other electricity industry groups on the concept of 'Managed Electric Vehicle (EV) Charging'. Managed EV Charging offers discounted pricing options for people who allow Wellington Electricity to move the time an electric vehicle charges so it lowers network congestion and rewards them with cheaper prices. We are planning to introduce this pricing option next year. We have decided to keep the Electricity Vehicle & Battery (EVB) pricing category for the 2021/22 pricing year.

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LINES CHARGES APRIL 2021

Code	Description	Units	1 April 2020	1 April 2021
RESIDENTIAL PRICING				
Residential				
RLU-FIXD	Residential low user daily	\$/con/day	0.1500	0.1500
RLU-24UC	Residential low user uncontrolled	\$/kWh	0.0966	0.1018
RLU-AICO	Residential low user all inclusive	\$/kWh	0.0775	0.0817
RLU-CTRL	Residential low user controlled	\$/kWh	0.0467	0.0492
RLU-NITE	Residential low user night boost	\$/kWh	0.0158	0.0167
RSU-FIXD	Residential standard user daily	\$/con/day	0.9393	0.9975
RSU-24UC	Residential standard user uncontrolled	\$/kWh	0.0606	0.0639
RSU-AICO	Residential standard user all inclusive	\$/kWh	0.0417	0.0439
RSU-CTRL	Residential standard user controlled	\$/kWh	0.0185	0.0195
RSU-NITE	Residential standard user night boost	\$/kWh	0.0144	0.0152
Residential Electric Vehicle and Battery Storage¹				
RLUEVB-FIXD	Residential EV & battery storage low user daily	\$/con/day	0.1500	0.1500
RLUEVB-PEAK	Residential EV & battery storage low user peak ²	\$/kWh	0.1502	0.1602
RLUEVB-OFFPEAK	Residential EV & battery storage low user off-peak ³	\$/kWh	0.0668	0.0713
RLUEVB-CTRL	Residential EV & battery storage low user controlled	\$/kWh	0.0467	0.0492
RSUEVB-FIXD	Residential EV & battery storage standard user daily	\$/con/day	1.1000	1.1663
RSUEVB-PEAK	Residential EV & battery storage standard user peak ²	\$/kWh	0.1079	0.1151
RSUEVB-OFFPEAK	Residential EV & battery storage standard user off-peak ³	\$/kWh	0.0244	0.0261
RSUEVB-CTRL	Residential EV & battery storage standard user controlled	\$/kWh	0.0185	0.0195
Residential Time of Use				
RLUTOU-FIXD	Residential time of use low user daily	\$/con/day	0.1500	0.1500
RLUTOU-UC	Residential time of use low user uncontrolled	\$/kWh	N/A	0.1018
RLUTOU-AICO	Residential time of use low user all inclusive	\$/kWh	N/A	0.0817
RLUTOU-P-UC	Residential time of use low user peak ²	\$/kWh	0.1285	0.1373
RLUTOU-OP-UC	Residential time of use low user off-peak ³	\$/kWh	0.0824	0.0860
RLUTOU-P-AI	Residential time of use low user all inclusive peak ²	\$/kWh	0.1121	0.1194
RLUTOU-OP-AI	Residential time of use low user all inclusive off-peak ³	\$/kWh	0.0619	0.0646
RLUTOU-CTRL	Residential time of use low user controlled	\$/kWh	0.0467	0.0492
RLUTOU-NITE	Residential time of use low user night boost	\$/kWh	0.0158	0.0167
RSUTOU-FIXD	Residential time of use standard user daily	\$/con/day	0.9393	0.9975
RSUTOU-UC	Residential time of use standard user uncontrolled	\$/kWh	N/A	0.0639
RSUTOU-AICO	Residential time of use standard user all inclusive	\$/kWh	N/A	0.0439
RSUTOU-P-UC	Residential time of use standard user peak ²	\$/kWh	0.0923	0.0987
RSUTOU-OP-UC	Residential time of use standard user off-peak ³	\$/kWh	0.0469	0.0488
RSUTOU-P-AI	Residential time of use standard user all inclusive peak ²	\$/kWh	0.0735	0.0783
RSUTOU-OP-AI	Residential time of use standard user all inclusive off-peak ³	\$/kWh	0.0273	0.0284
RSUTOU-CTRL	Residential time of use standard user controlled	\$/kWh	0.0185	0.0195
RSUTOU-NITE	Residential time of use standard user night boost	\$/kWh	0.0144	0.0152

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Code	Description	Units	1 April 2020	1 April 2021
COMMERCIAL PRICING				
General Low Voltage Connection				
GLV15-FIXD	General low voltage <=15kVA daily	\$/con/day	0.5233	0.5517
GLV15-24UC	General low voltage <=15kVA uncontrolled	\$/kWh	0.0473	0.0499
GLV69-FIXD	General low voltage >15kVA and <=69kVA daily	\$/con/day	1.2944	1.3647
GLV69-24UC	General low voltage >15kVA and <=69kVA uncontrolled	\$/kWh	0.0328	0.0346
GLV138-FIXD	General low voltage >69kVA and <=138kVA daily	\$/con/day	7.3351	7.7332
GLV138-24UC	General low voltage >69kVA and <=138kVA uncontrolled	\$/kWh	0.0389	0.0410
GLV300-FIXD	General low voltage >138kVA and <=300kVA daily	\$/con/day	10.4488	11.0159
GLV300-24UC	General low voltage >138kVA and <=300kVA uncontrolled	\$/kWh	0.0161	0.0170
GLV1500-FIXD	General low voltage >300kVA and <=1500kVA daily	\$/con/day	26.3477	27.7778
GLV1500-24UC	General low voltage >300kVA and <=1500kVA uncontrolled	\$/kWh	0.0071	0.0075
GLV1500-DAMD	General low voltage >300kVA and <=1500kVA demand	\$/kVA/month	6.3908	6.7377
General Transformer Connection				
GTX15-FIXD	General transformer <=15kVA daily	\$/con/day	0.4751	0.5009
GTX15-24UC	General transformer <=15kVA uncontrolled	\$/kWh	0.0441	0.0465
GTX69-FIXD	General transformer >15kVA and <=69kVA daily	\$/con/day	1.1747	1.2385
GTX69-24UC	General transformer >15kVA and <=69kVA uncontrolled	\$/kWh	0.0309	0.0326
GTX138-FIXD	General transformer >69kVA and <=138kVA daily	\$/con/day	6.6558	7.0170
GTX138-24UC	General transformer >69kVA and <=138kVA uncontrolled	\$/kWh	0.0363	0.0383
GTX300-FIXD	General transformer >138kVA and <=300kVA daily	\$/con/day	9.4812	9.9959
GTX300-24UC	General transformer >138kVA and <=300kVA uncontrolled	\$/kWh	0.0150	0.0158
GTX1500-FIXD	General transformer >300kVA and <=1500kVA daily	\$/con/day	20.4570	21.5674
GTX1500-24UC	General transformer >300kVA and <=1500kVA uncontrolled	\$/kWh	0.0058	0.0061
GTX1500-CAPY	General transformer >300kVA and <=1500kVA capacity	\$/kVA/day	0.0140	0.0148
GTX1500-DAMD	General transformer >300kVA and <=1500kVA demand	\$/kVA/month	5.3718	5.6634
GTX1501-FIXD	General transformer >1500kVA connection daily	\$/con/day	0.0455	0.0480
GTX1501-24UC	General transformer >1500kVA connection uncontrolled	\$/kWh	0.0013	0.0014
GTX1501-CAPY	General transformer >1500kVA connection capacity	\$/kVA/day	0.0247	0.0260
GTX1501-DOPC	General transformer >1500kVA connection on-peak demand ⁴	\$/kW/month	10.1211	10.6705
GTX1501-PWRF	General transformer >1500kVA connection power factor ⁵	\$/kVAr/month	7.3082	7.7049

Code	Description	Units	1 April 2020	1 April 2021
OTHER PRICING				
Unmetered				
G001-FIXD	Non-street lighting daily	\$/fitting/day	0.0361	0.0381
G001-24UC	Non-street lighting uncontrolled	\$/kWh	0.1171	0.1234
G002-FIXD	Street lighting daily ⁶	\$/fitting/day	0.1933	0.2038
G002-24UC	Street lighting uncontrolled	\$/kWh	0.0000	0.0000
Distributed Generation				
DGEN	Small scale distributed generation ⁷	\$/kWh	0.0000	0.0000

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Footnotes

1. The EVB plan is available to consumers with electric vehicles of 12kWh capacity and above and consumers with household battery storage systems of 4kWh capacity and above.
2. The EVB and residential ToU plan peak hours are: Monday to Friday (including public holidays) 7:00am – 11:00am, 5:00pm – 9:00pm.
3. The EVB and residential ToU plan off-peak hours are: Monday to Friday (including public holidays) 9:00pm – 7:00am, 11:00am – 5:00pm and all weekend.
4. On-peak demand charge is applicable to demand measured from 7:30am – 9:30am, 5:30pm – 7:30pm on weekdays (including public holidays).
5. Power factor charge is applicable for power factor <0.95 from 7:00am - 8:00pm on weekdays where the kVAr charge amount represents twice the largest difference between the recorded kVArh and one third of the recorded kWh in any one half-hour period.
6. Streetlight charges are provided to retailers who in turn bill the councils and other parties for providing streetlight services. Streetlights are charged per fitting rather than on energy usage to better reflect the costs of maintaining the streetlight network.
7. WE* has a number of codes for small scale distributed generation volumes, being RLU-DGEN, RSU-DGEN, RLUEVB-DGEN, RSUEVB-DGEN, RLUTOU-DGEN, RSUTOU-DGEN, GLV15-DGEN, GLV69-DGEN, GLV138-DGEN, GLV300-DGEN, GLV1500-DGEN, GTX15-DGEN, GTX69-DGEN, GTX138-DGEN, GTX300-DGEN, GTX1500-DGEN and GTX1501-DGEN.

All charges are exclusive of GST. Line charges are quoted inclusive of the transmission charges, other pass-through costs and recoverable components.

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