

WEL NETWORKS PRICE SCHEDULE

EFFECTIVE 1 APRIL 2018



BEST IN SERVICE. BEST IN SAFETY.

HOW TO USE THIS SCHEDULE

Customer groups are listed in tables with a breakdown of customer types, referred to as price categories. Where a price plan option is available for a customer it will be represented in a row within the table. Hence a single row applies to every customer. Eligibility criteria are detailed in the notes section below.

GLOSSARY

- ICP:** Installation Control Point – your point of connection to the network.
- SSDG:** Small Scale Distributed Generation – onsite generation capable of exporting to the network with generally less than 10 kW of capacity (e.g. solar panels)

TIME OF USE & CONDITIONAL PRICING								
MASS MARKET <i>Fuse less than 110 kVA. Voltage less than 400V</i>	Estimated Number of Customers	Daily Fixed (\$/day)	Uncontrolled Supply (\$/kWh)	UNCONTROLLED SUPPLY Time of Use			Controlled Supply (\$/kWh)	Generation Export (\$/kWh)
				Peak (\$/kWh)	Shoulder (\$/kWh)	Off-Peak (\$/kWh)		
Residential Low User (1153)		501		806	805	804	503	
Time of Use	40,415	0.1500		0.1944	0.1214	0.0914	0.0679	
Residential Low User (1153C)		C501	C502				C503	
Conditional	3,184	0.1500	0.1279				0.0679	
Residential Standard (1154)		501S		806S	805S	804S	503S	
Time of Use	30,348	1.2000		0.1465	0.0735	0.0435	0.0200	
Residential Standard (1154C)		C501S	C502S				C503S	
Conditional	2,850	1.2000	0.0800				0.0200	
General (1200)		901		906	905	904	903	
Time of Use	9,725	1.2000		0.1394	0.0875	0.0732	0.0239	
General (1200C)		C901	C902				C903	
Conditional	2,800	1.2000	0.0939				0.0239	
SSDG Low User (1250)		401		406	405	404	403	407
Time of Use	325	0.1500		0.1944	0.1214	0.0914	0.0679	0.0000
SSDG Low User (1250C)		C401	C402				C403	C407
Conditional	74	0.1500	0.1279				0.0679	0.0000
SSDG Standard (1251)		401S		406S	405S	404S	403S	407S
Time of Use	322	1.2000		0.1465	0.0735	0.0435	0.0200	0.0000
SSDG Standard (1251C)		C401S	C402S				C403S	C407S
Conditional	75	1.2000	0.0800				0.0200	0.0000

LARGE CUSTOMERS, STREET LIGHTING, AND UNMETERED									
LARGE CUSTOMERS	Estimated Number of Customers	Daily Fixed (\$/Day)	Capacity (\$/kVA/Day)	Excess Demand (\$/kVA/Day)	Uncontrolled Supply (\$/kWh)	Peak Demand Summer (\$/kVA/mth)	Peak Demand Winter (\$/kVA/mth)	Reactive Energy (\$/kVARh)	Transformer Rebate (\$/kVA/mth)
<i>Fuse greater than or equal to 110 kVA</i>									
		504	524	525	506	505	605	507	518
Low Voltage 400V (1360)	591	4.2739	0.0408	0.2040	0.0170	11.7696	17.8328	0.0200	
Medium Voltage 11kV (1354)	187	4.2739	0.0408	0.2040	0.0136	10.3734	15.7173	0.0200	-0.2000
High Voltage 33kV (1357)	2	4.2739	0.0408	0.2040	0.0122	9.6180	14.5727	0.0200	-0.2000
STREETLIGHTING	Estimated Number of Customers	Daily Fixed per Lamp (\$/lamp/day)	Controlled Supply (\$/kWh)						
		521	520						
Metered and Unmetered (1293)	72	0.1501	0.0000						
UNMETERED	Estimated Number of Customers	Daily Fixed (\$/day)	Uncontrolled Supply (\$/kWh)						
		530	529						
Phone cabinets, bus shelters, pay phones, etc (1450)	219	0.3030	0.0233						

HOW TO DETERMINE YOUR PRICE CATEGORY

The broad price categories are Residential, SSDG, General, Large Customers, Streetlighting, and Unmetered. The criteria for each price category are listed below:

- Residential, SSDG, and General customers all have a fuse capacity less than 110 kVA, are metered and have a connection voltage of up to 400V. A Residential customer is where the connection is for the purpose of supplying electricity to a premise that is used or intended for occupation principally as a place of residence, but does not include premises that constitute any part of premises described in section 5(c) to (k) of the Residential Tenancies Act 1986.
- Time of Use (TOU) pricing is when the customer is charged different rates (peak, shoulder, and off-peak) based on the time of day of the uncontrolled consumption, and a flat rate for controlled consumption.
- Conditional pricing is when a customer is charged flat rates for their uncontrolled and controlled consumption. It is only offered where an ICP meets the following criteria:
 - Non-AMI and/or non-communicating AMI meter installed at connection as indicated by an "N" in the AMI Flag field of the Metering Attributes section of the EA Registry.
- SSDG is a connection that has a generation installation capable of exporting up to generally 10kW of electricity into WEL's network.
- Residential and SSDG customers are further defined to as belonging to sub-categories of either Low or Standard users. To be eligible for the Low User pricing options the customer must be a Residential or SSDG customer, the premises must be the customer's principle place of residence and have nominated the retailer's Low User pricing plan. For the avoidance of doubt, eligibility for Low User pricing options excludes holiday homes and buildings that are ancillary to a customer's principle place of residence. A Standard pricing plan applies to all other Residential and SSDG customer connections.
- A General customer is where the connection is for the purpose of supplying electricity to a premise that does not meet the criteria for a Residential or SSDG customer.
- Large Customers all have a fuse capacity of 110 kVA or greater, are Time of Use metered and have a connection voltage of 400V, 11kV, or 33kV.
 - The specific Large Customer pricing category is determined by the customer's connection voltage.
 - Additional transformer charges or rebates may apply to Large Customers.
 - Street Lighting customers include all metered and unmetered connections for street lighting purposes.
 - Unmetered customers are connections that are approved to be unmetered and may require a nominated and approved daily kWh usage.

HOW EACH PRICE IS APPLIED

- Daily Fixed:** is the price that applies to each day of connection.
- Capacity Price:** is the price applied for the customer nominated capacity (in kVA) per day. Customers can request a change once per annum to their nominated capacity.
- Excess Demand Price:** is the rate per kVA per day that will be applied to anytime peak demand in excess of the customer nominated capacity in the billable period.
- Uncontrolled Supply Price:** are prices that apply under normal operating circumstances to the continuously available electricity supply. Charges may be time of day dependant. The price is multiplied by the volume of energy used, measured in kilowatt hours (kWh), in the corresponding time periods. This is applicable to uncontrolled or across peak, shoulder, and off-peak.
- Controlled Supply Price:** are prices that apply under normal operation circumstances to the electricity supply that is capable of being interrupted (switched off) by WEL using remote technology for up to eight hours per day. This price is multiplied by the volume of energy used, measured in kWh. This type of supply is typically connected to hot water cylinders and other interruptible appliances nominated by the customer. To be eligible, this supply must be separately metered from any uncontrolled supply. Combined metered supplies (uncontrolled and controlled) will be charged at the uncontrolled rate.
- Generation Export Price:** is the price multiplied by the volume of energy exported (kWh) from a customer connection point into WEL's network for delivery to other network customers. The installation of small scale generation requires a meter capable of recording both imported and exported volume data.
- Reactive Energy Price:** applies to large and asset specific customers only and is a price on the volume of reactive energy, measured as kilovolt amps reactive hour (kVARh), used when the power factor is less than 0.95 within each half hour time period. Chargeable kVARh is determined by calculating the maximum of 0 or kVARh – kWh x 0.328684 (Note: 0.328684 relates to the cosine of the angle between kW and kVA when power factor = 0.95).
- Peak Demand Summer Price:** is applied on the highest kVA demand recorded in each summer month in a TOU meter during the peak time periods.
- Peak Demand Winter Price:** is applied on the highest kVA demand recorded in each winter month in a TOU meter during the peak time periods.
- Transformer Rebate:** is credited to customers who own the transformer at their point of connection to the WEL network. It is applied on the demand in kVA recorded in a meter.

DEFAULT UNCONTROLLED (UN) CODES

- Each Residential, General, and SSDG price category (not including Conditional plans) has a corresponding 'Default' price code and rate which a customer's retailer may choose to use to submit the ICPs uncontrolled consumption.
- Default UN charges apply to any time of the day.
- Default UN price codes will only be offered for a limited time.
- Default UN price codes and rates are set out in the table below:

Residential, General, and SSDG Default Price Codes and Rates		
Price Category	Price Code	UN Rate (\$/kWh)
1153	D502	0.1294
1154	D502S	0.0815
1200	D902	0.0954
1250	D402	0.1294
1251	D402S	0.0815

TIME PERIODS

- Summer is defined as the period from 1 October to 30 April (inclusive). Winter is defined as the period from 1 May to 30 September (inclusive).
- Peak, Shoulder, and Off-Peak time periods are set out in the table below:

TIME PERIODS	PEAK	SHOULDER	OFF-PEAK
Workdays	07:00 – 09:30 17:30 – 20:00	09:30 – 17:30 20:00 – 22:00	
Weekends and public holidays(inc. Waikato regional holidays only)	No peak period	07:00 – 22:00	22:00 – 07:00

ADDITIONAL NOTES

- All prices are exclusive of GST.
- The transmission component of the prices listed equates on average to 25% per price component.
- The estimated number of customers is at 31 March 2018.
- A TOU meter measures and records half hourly electricity use information.
- WEL reserves the right to determine the appropriate price category for all connections.
- For EIEP1 WEL's preferred reporting methodology is RM Normalised.