

**INFRASTRUCTURE SOLUTIONS NEW ZEALAND LIMITED (ISNZ)  
NETWORK PRICING SCHEDULE 1 AUGUST 2023 TO 31 MARCH 2024**

**AUCKLAND AREA – PARENT NETWORK OWNER UNET/VECT**

**RESIDENTIAL AND GENERAL PRICING**

<b>RESIDENTIAL AND GENERAL PRICING FROM 1 AUGUST 2023</b>					
<b>Price Category Code</b>	<b>Price Category Description</b>	<b>Tariff Code</b>	<b>Tariff Description</b>	<b>Rate</b>	<b>Units</b>
<b>Residential NON-TOU</b>					
ISAKRL	Residential Low User	ISAKRL-FIXD	Daily	0.4500	\$/day
ISAKRL	Residential Low User	ISAKRL-24UN	Uncontrolled	0.0982	\$/kWh
ISAKRS	Residential Standard User	ISAKRS-FIXD	Daily	1.3000	\$/day
ISAKRS	Residential Standard User	ISAKRS-24UN	Uncontrolled	0.0594	\$/kWh
<b>Residential TOU</b>					
ISAKHRL	Residential Low User	ISAKHRL-FIXD	Daily	0.4500	\$/day
ISAKHRL	Residential Low User	ISAKHRL-PEAK	Peak	0.1652	\$/kWh
ISAKHRL	Residential Low User	ISAKHRL-OFPK	Off Peak	0.0683	\$/kWh
ISAKHRS	Residential Standard User	ISAKHRS-FIXD	Daily	1.3000	\$/day
ISAKHRS	Residential Standard User	ISAKHRS-PEAK	Peak	0.1242	\$/kWh
ISAKHRS	Residential Standard User	ISAKHRS-OFPK	Off Peak	0.0305	\$/kWh
<b>General NON-TOU</b>					
ISAKBS	General	ISAKBS-FIXD	Daily	1.5200	\$/day
ISAKBS	General	ISAKBS-24UN	Uncontrolled	0.0499	\$/kWh
<b>General TOU</b>					
ISAKHBS	General	ISAKHBS-FIXD	Daily	1.5200	\$/day
ISAKHBS	General	ISAKHBS-PEAK	Peak	0.1139	\$/kWh
ISAKHBS	General	ISAKHBS-OFPK	Off Peak	0.0213	\$/kWh

**Price Category Code Explanation**

- ISAK = Infrastructure Solutions NZ Ltd - Auckland
- RL = Residential Low User
- RS = Residential Standard User
- HRL = Half-Hour Residential Low User
- HRS = Half-Hour Residential Standard User
- BS = General connection (non-Residential and no greater than 69 kVA)
- HBS = Half-Hour General connection (non-Residential and no greater than 69 kVA)

## COMMERCIAL PRICING

COMMERCIAL PRICING FROM 1 AUGUST 2023					
Price Category Code	Price Category Description	Tariff Code	Tariff Description	Rate	Units
<b>COMMERCIAL NON-TOU</b>					
ISAKCVN	Commercial	ISAKCVN-FIXD	Daily	2.1000	\$/day
ISAKCVN	Commercial	ISAKCVN-24UN	Uncontrolled	0.0767	\$/kWh
ISAKCVN	Commercial	ISAKCVN-CAPY	Capacity	0.0469	\$/kVA/day
ISAKCVN	Commercial	ISAKCVN-DAMD	Demand	0.0000	\$/kVA/day
ISAKCUN	Commercial	ISAKCUN-FIXD	Daily	5.9200	\$/day
ISAKCUN	Commercial	ISAKCUN-24UN	Uncontrolled	0.0545	\$/kWh
ISAKCUN	Commercial	ISAKCUN-CAPY	Capacity	0.0436	\$/kVA/day
ISAKCUN	Commercial	ISAKCUN-DAMD	Demand	0.0000	\$/kVA/day
<b>COMMERCIAL TOU</b>					
ISAKCVH	Commercial	ISAKCVH-FIXD	Daily	2.1000	\$/day
ISAKCVH	Commercial	ISAKCVH-24UN	Uncontrolled	0.0472	\$/kWh
ISAKCVH	Commercial	ISAKCVH-CAPY	Capacity	0.0469	\$/kVA/day
ISAKCVH	Commercial	ISAKCVH-DAMD	Demand	0.1364	\$/kVA/day
ISAKCUH	Commercial	ISAKCUH-FIXD	Daily	11.1500	\$/day
ISAKCUH	Commercial	ISAKCUH-24UN	Uncontrolled	0.0316	\$/kWh
ISAKCUH	Commercial	ISAKCUH-CAPY	Capacity	0.0436	\$/kVA/day
ISAKCUH	Commercial	ISAKCUH-DAMD	Demand	0.1249	\$/kVA/day

### Price Category Code Explanation

- ISAK = Infrastructure Solutions NZ Ltd - Auckland  
 CVN = Commercial Connection (greater than 69 kVA) Vector Network, Non-Half Hour  
 CUN = Commercial Connection (greater than 69 kVA) UNET Network, Non-Half Hour  
 CVH = Commercial Connection (greater than 69 kVA) Vector Network, Half-Hour  
 CUH = Commercial Connection (greater than 69 kVA) UNET Network, Half-Hour

### Tariff Code Explanation

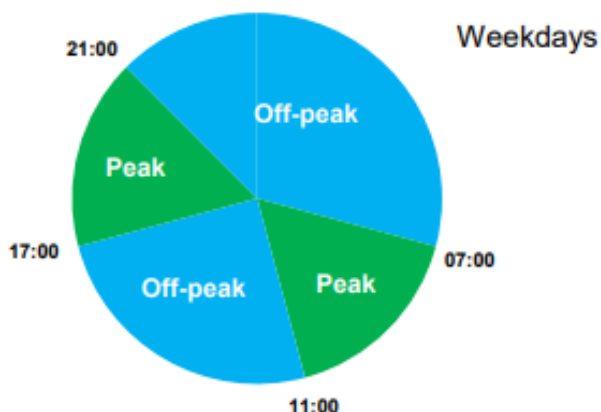
- FIXD - Daily = Applies to the number of days each ICP is Active.  
 24UN - Uncontrolled = Applies to electricity used  
 PEAK = Applies to electricity used during peak periods  
 OFPK = Applies to electricity used during off peak periods  
 CAPY - Capacity = Applies to the nominated capacity of the consumers connection to our network as displayed in the Electricity Registry under "Chargeable Capacity"  
 DAMD - Demand = Applies to the average of the consumers ten highest kVA demands (twice the kVAh half hourly reading) between 08:00 and 20:00 (time periods 17-40) on weekdays, including public holidays, in any one month.

**Peak and Off-peak Periods for Residential and General time of use (TOU) Price Categories**

Period Type	Days	Times	Period Numbers
Peak	Monday to Friday (including public holidays)	07:00 - 11:00	15 - 22
		17:00 - 21:00	35 - 42
Off Peak	Monday to Friday (including public holidays)	11:00 - 17:00	23 - 34
		21:00 - 07:00	43 - 14
	Saturday and Sunday	All times	All periods

The following chart shows the times on weekdays to which the peak and off-peak volume prices apply for the half hour Price Categories.

The following chart shows the times on weekdays to which the peak and off-peak volume prices apply for the half hour Price Categories.



**Missing interval data and persistent metering issues**

In instances of missing interval data, Retailers are to use good industry practice to estimate missing data and the standard wash-up process to adjust estimated to actual data as appropriate. ISNZ expects all Retailers to reconcile with ISNZ using aggregated half hourly data unless there are persistent metering issues. In instances of persistent metering issues for residential and general Customers, Retailers are to use good industry practice in identifying affected ICPs and request an exemption for persistent metering data exceptions including non-interval capable or non-communicating meters by emailing us at [support@isnzl.co.nz](mailto:support@isnzl.co.nz).

**Unmetered Consumption**

<p>Consumption for non-streetlight unmetered consumers is determined by ISNZ based on load profile and fitting input wattages.</p> <p>Consumption for streetlight unmetered consumers is determined by multiplying the input wattage of each fitting in a database administered by ISNZ, with the load factor, the number of days in each month and the night hours per day stated in the adjacent table.</p> <p>A minimum load factor of 1.1 is applied to the input wattage for non-streetlight appliances and 1.0 for streetlight appliances.</p>	<table border="1"> <thead> <tr> <th>Month</th> <th>Night hours per day</th> </tr> </thead> <tbody> <tr><td>January</td><td>9.61</td></tr> <tr><td>February</td><td>10.57</td></tr> <tr><td>March</td><td>11.61</td></tr> <tr><td>April</td><td>12.87</td></tr> <tr><td>May</td><td>13.81</td></tr> <tr><td>June</td><td>14.33</td></tr> <tr><td>July</td><td>14.13</td></tr> <tr><td>August</td><td>13.29</td></tr> <tr><td>September</td><td>12.17</td></tr> <tr><td>October</td><td>11.00</td></tr> <tr><td>November</td><td>9.93</td></tr> <tr><td>December</td><td>9.32</td></tr> </tbody> </table>	Month	Night hours per day	January	9.61	February	10.57	March	11.61	April	12.87	May	13.81	June	14.33	July	14.13	August	13.29	September	12.17	October	11.00	November	9.93	December	9.32
	Month	Night hours per day																									
	January	9.61																									
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	June	14.33																									
	July	14.13																									
	August	13.29																									
	September	12.17																									
	October	11.00																									
	November	9.93																									
December	9.32																										

**GST**

All prices are GST exclusive.

**Provision of billing information**

Retailer must provide ISNZ with consumption data for each ICP and for each price as described in this schedule. Where more than one meter at a Point of Connection is in use, but a single volume price applies, consumption data must be aggregated by the Retailer before submitting to ISNZ.

For residential and general consumers, where a half hourly meter is fitted, consumption data must be aggregated by the Retailer to match the appropriate prices and time periods before submitting the data to ISNZ.

For commercial Customers, where a half hourly meter is fitted and the consumer’s Price Category requires half hourly data, the consumer’s Retailer must submit half hourly consumption information. Half hourly data provided by the Retailer must contain at least two of the following channels: kWh, kVArh and kVAh.

The following table shows the EIEP file type required to be submitted to ISNZ for each Price Category. Customer type Price Category type Price Category EIEP.

Consumer type	Price Category Type	Price Category	EIEP file type
<b>Residential</b>	Time of Use (TOU)	ISAKHRL, ISAKHRS	EIEP1
	Non TOU	ISAKRL, ISAKRS	EIEP1
<b>General</b>	Unmetered	ISAKBS, ISAKHBS	EIEP1
	Time of Use (TOU)	ISAKHBS	EIEP1
	Non TOU	ISAKBS	EIEP1
<b>Commercial</b>	Time of Use (TOU)	ISAKCVH, ISAKCUH	EIEP3
	Non TOU	ISAKCVN, ISAKCUN	EIEP1

## LOSS FACTORS

### NETWORK DETAILS

POC BMR0011 Gate meter ICP 1002147703UN780  
 POC SEL0011 Gate meter ICP 1002171405UN1E0

NSP	LOCATION	Parent Netork GXP	Parent Network	Parent Netork Loss	Parent Netork Loss Factor
BMR0011ISNZE	119 Bruce McLaren Road Henderson Auckland	HEP0331	UNET	VECW3	1.0430
SEL0011ISNZE	337 Glengarry Road Glen Eden Auckland	ALB1101	UNET	VECW3	1.0430

### NETWORK LOSSES

NSP	Loss Code	ISNZ Loss Factor	Parent Network	Parent Network	Parent Loss Factor	Total Loss Factor	Generation Loss Factor
BMR0011ISNZE	BMRL1	1.0132	UNET	VECW3	1.0430	1.0568	1.0000
SEL0011ISNZE	SELL1	1.0132	UNET	VECW3	1.0430	1.0568	1.0000

### NETWORK DETAILS

POC KAU0011 Gate meter ICP KAU gate meter ICP not yet issued by Vector  
 POC CHV0011 Gate meter ICP 1002165942UN5E6  
 POC CAT0011 Gate meter ICP 1002165943UN9A3

NSP	LOCATION	Parent Netork GXP	Parent Network	Parent Netork Loss	Parent Netork Loss Factor
KAU0011ISNZE	32 Anzac Road Browns Bay Auckland	ALB0331	UNET	VECW1	1.0568
CHV0011ISNZE	8 Chivalry Road Glenfield Auckland	WRD0331	UNET	VECW1	1.0568
CAT0011ISNZE	37 Camelot Place Glenfield Auckland	WRD0331	UNET	VECW1	1.0568

### NETWORK LOSSES

NSP	Loss Code	ISNZ Loss Factor	Parent Network	Parent Network	Parent Loss Factor	Total Loss Factor	Generation Loss Factor
KAU0011ISNZE	KAULL1	1.0000	UNET	VECW1	1.0568	1.0568	1.0000
CHV0011ISNZE	CHVL1	1.0000	UNET	VECW1	1.0568	1.0568	1.0000
CAT0011ISNZE	CMTL1	1.0000	UNET	VECW1	1.0568	1.0568	1.0000