Infrastructure Solutions

14 February 2025

TO: All Electricty Retailers

By Email

Infrastructure Solutions NZ Limited (ISNZ) – Network Pricing and Loss Factors

Valid from: 1 May 2025

Valid To: 31 March 2026

This letter sets our our network pricing effective 1 May 2025.

All amounts are GST exclusive and there are no discounts.

1. Price Increases

We have passed through Vector's increased charges to us. Other than this we have not increased our charges.

Our pricing categories ISAKCVH and ISAKCUH have had price decreases to bring them inline with Vector's charges for their equivalent pricing categories.

2. New Prcing Categories

We are introducing a new set of pricing categories for Industrial consumers. These new catgories and pricing appply to connections to our network which we supply from an HV connection to the Parent Network operator and are set out in our pricing tables in Appendix A of this letter and in our EIEP12 file. We have attached your EIEP12 file, we have also uplodaed this via the Registry portal.

3. Transpower Charges

You will be aware that Vector has made changes to how it recovers its Transpower charges including a new "wash up" regime.

We have introduced this same "wash up" regime to ensure we are able to either refund you, or invoice you for additional Transpower charges, based on Vector's final Transpower charges to us.

Our Transpower charges policy mirrors Vector's and is set out below:

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3.1. Recovering Transpower's charges from you

We have incorporated Vector's Transpower charges to us into our per Kilowatt hourly rate for all "Anytime" tarriffs.

The rate we have incorported into our Anytime pricing is $0.0279 per klowatt hour. This is the average per kilowatt hour rate we expect to be charged across all GXPs we currently operate on, as per Vector's published "GXP Transmission Price 2025-26" file.

3.2. Washups

As each retailer's share of consumption at each GXP can change throughout the pricing period (due to changes in ICPs and/or volumes through ICPs), we will for each month in the pricing year recalculate each Retailer's charges at each GXP.

When recalculating your actual Transpower charges, we will apply Vector's actual per kilowatt hour rate for each GXP to your volumes through each GXP.

This is how this will wotk:

3.2.1. We will provide you with an indication of how your wash-ups are tracking throughout the year. We will detremine a monthly wash-up amount by calculating the difference between the quantity and price collected from you and the quantilty and price we will actually be charged by Vector.

3.2.2. After the end of the pricing year (likley in July) we will issue a wash-up invoice or credit note for the accumulated wash-up amounts (12 months).

3.2.3. We will provide you with an indication of how your wash-ups are tracking (likley quarterly).

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RESIDENTIAL AND GENERAL PRICING FROM 1 MAY 2025						
Price Category Code	**Parent Network Equivalent**	**Price Category Description**	**Tariff Code**	**Tariff Description**	**Rate**	**Units**
TOU						
ISAKRL	ARNLU/WRNLU	Residential Low User	ISAKRL-FIXD	Daily	0.7500	$/day
ISAKRL	ARNLU/WRNLU	Residential Low User	ISAKRL-24UN	Anytime	0.1111	$/kWh
ISAKRS	ARNSU/WRNSU	Residential Standard User	ISAKRS-FIXD	Daily	1.7453	$/day
ISAKRS	ARNSU/WRNSU	Residential Standard User	ISAKRS-24UN	Anytime	0.0657	$/kWh
General NON-TOU						
ISAKBS	ABSN/WBSN	General	ISAKBS-FIXD	Daily	2.1443	$/day
ISAKBS	ABSN/WBSN	General	ISAKBS-24UN	Anytime	0.0657	$/kWh

COMMERCIAL PRICING FROM 1 MAY 2025						
Price Category Code	**Parent Network Equivalent**	**Price Category Description**	**Tariff Code**	**Tariff Description**	**Rate**	**Units**
COMMERCIAL TOU						
ISAKCVH	ALVT/ALVTS/ALVTD	Commercial	ISAKCVH-FIXD	Daily	4.7600	$/day
ISAKCVH	ALVT/ALVTS/ALVTD	Commercial	ISAKCVH-24UN	Anytime	0.0435	$/kWh
ISAKCVH	ALVT/ALVTS/ALVTD	Commercial	ISAKCVH-CAPY	Capacity	0.0686	$/kVA/day
ISAKCVH	ALVT/ALVTS/ALVTD	Commercial	ISAKCVH-DAMD	Demand	0.1602	$/kVA/day
ISAKCVH	ALVT/ALVTS/ALVTD	Commercial	ISAKCVH-PFAC	Power Factor	0.3530	$/kVAr/day
ISAKCUH	WLVH/WLVHS/WLVHD	Commercial	ISAKCUH-FIXD	Daily	13.5200	$/day
ISAKCUH	WLVH/WLVHS/WLVHD	Commercial	ISAKCUH-24UN	Anytime	0.0368	$/kWh
ISAKCUH	WLVH/WLVHS/WLVHD	Commercial	ISAKCUH-CAPY	Capacity	0.0686	$/kVA/day
ISAKCUH	WLVH/WLVHS/WLVHD	Commercial	ISAKCUH-DAMD	Demand	0.1602	$/kVA/day
ISAKCUH	WLVH/WLVHS/WLVHD	Commercial	ISAKCUH-PFAC	Power Factor	0.3530	$/kVAr/day

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INDUSTRIAL PRICING FROM 1 MAY 2025						
Price Category Code	Parent Network	Price Category Description	Tariff Code	Tariff Description	Rate	Units
INDUSTRIAL TOU						
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-FIXD	Daily	6.7600	$/day
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-24UN	Anytime	0.0513	$/kWh
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-CAPY	Capacity	0.0739	$/kVA/day
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-DAMD	Demand	0.1702	$/kVA/day
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-EXDA	Excess Demand	0.9140	$/kVA/day
ISAKIVH	ATXT/ATXTS/ATXTD	Industrial	ISAKIVH-PFAC	Power Factor	0.3630	$/kVAr/day
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-FIXD	Daily	15.5200	$/day
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-24UN	Anytime	0.0546	$/kWh
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-CAPY	Capacity	0.0721	$/kVA/day
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-DAMD	Demand	0.1702	$/kVA/day
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-EXDA	Excess Demand	0.9140	$/kVA/day
ISAKIUH	WTXH/WTXHS/WTXHD	Industrial	ISAKIUH-PFAC	Power Factor	0.3630	$/kVAr/day

LOSS FACTORS

ISNZ LOSS FACTORS EFFECTIVE 1 MAY 2025

ISNZ Loss Code	ISNZ Loss Factor	Network Code	Network Loss	Total Loss Factor	Loss Factor Generation
ISA1L1	1.0000	VECA1	1.0533	1.0533	1.0000
ISA3L1	1.0166	VECA3	1.0361	1.0533	1.0000
ISW1L1	1.0000	VECW1	1.0561	1.0561	1.0000
ISW3L1	1.0137	VECW3	1.0418	1.0561	1.0000
ISW4L1	1.0330	VECW4	1.0224	1.0561	1.0000

Residential and General Price Category Code Explanation

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

Commercial 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

Industrial Price Category Code Explanation

Industrial pricing categories apply to connections to our network which we supply from an HV connection to the Parent Network operator.

ISAK = Infrastructure Solutions NZ Ltd - Auckland
IVH = Industrial Connection (for HV supplied connections) Vector Network, Non-Half Hour
IUH = Industrial Connection (for HV supplied connections) UNET Network, Non-Half Hour

Tariff Code Explanation

FIXD - Daily	= Applies to the number of days each ICP is Active.
24UN – Anytime	= Applies to electricity used
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.
PFAC - Power Factor	= Applies to the Power Factor amount.

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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.

Unmetered Consumption

Consumption for the unmetered Price Category (ABSU, WBSU)

Consumption for non-streetlight unmetered Customers is determined by Vector based on load profile and fitting input wattages.

Consumption for streetlight unmetered Customers is determined by multiplying the input wattage and ballast losses of each fitting in a database administered by Vector, with the load factor, the number of days in each month and the night hours per day stated in the adjacent table:

A minimum load factor of 1.1 is applied to the input wattage for non-streetlight appliances and 1.0 for streetlight appliances.

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

Power Factor

If the Customer's power factor is below 0.95 lagging, ISNZ may apply power factor prices. Where the Customer's Metering Equipment does not record power factor, ISNZ may install power factor monitoring equipment and monitor the Customer's power factor.
The power factor amount is determined each month where a customer's power factor is less than 0.95 lagging. This power factor amount (kVAr) is represented by twice the largest difference between the Customer's kVArh recorded in any one half-hour period and the kWh

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demand divided by three recorded in the same half-hour period, during each month. The price is applicable between 08:00 and 20:00 (time periods 17 to 40) on weekdays including public holidays.

The following conditions apply to all Price Categories:

ISNZ may require the Customer's demand not to exceed the capacity of their Point of Connection at any time
Changes to the capacity of the Customer's Point of Connection may be requested by the Trader.
ISNZ may pass some or all of the costs associated with the change in capacity on to the Trader (including removal of stranded assets such as transformers); and
Changes to the Customer's capacity are subject to the agreement of ISNZ and the availability of spare capacity on ISNZ's Network and may be subject to additional charges (such as capital contributions).

Provision of Billing Information

The Customer's Trader 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.

Consumer Type	Price Category Type	Price Category	EIEP Fle Type
Residential	Non TOU	ISAKRL, ISAKRS	EIEP1
General	Non TOU	ISAKBS	EIEP1
Commercial	Time of Use (TOU)	ISAKCVH, ISAKCUH	EIEP3
Industrial	Time of Use (TOU)	ISAKIVH, ISAKIUH	EIEP3