Northpower

Electricity Distribution Services Reconciliation Loss Factors

From 1 June 2026

We have updated the loss factor for a new embedded generation connected to our network. The reconciliation loss factor is calculated in line with the Electricity Industry Participation Code.

The loss code applicable to each ICP on our network is determined by the voltage and location of the metering for each ICP within the network and have been derived from load-flow modelling of power transformers, sub-transmission circuits, high voltage meters, distribution transformers, and the low voltage distribution network.

Loss Category Code	Metering Voltage	Description	Reconciliation Loss Factor	
			1 September 2025	1 June 2026
L0	33kV	Metered at GXP	1.000	1.000
L1	33kV	ICP 0000546037NR9E6	1.017	1.017
L2	11kV	Metered at 11kV	1.0484	1.0484
L3	400V	150kVA and above, metered near the distribution transformer	1.0606	1.0606
L4	400v	Not currently used	1.0764	1.0764
L5	230/400v	Less than 150kVA, metered in the LV distribution network	1.0764	1.0764
L6	33kV	ICP 0000546038NR638	1.005	1.005
G1	33kV	Wairua generation	1.025 Gen 1.016 Cons	1.025 Gen 1.016 Cons
G2	11kV	Bream Bay generation	1.004 Gen 1.001 Cons	1.004 Gen 1.001 Cons
G3	11kV	Naumai solar generation	0.9585 Gen 1.0484 Cons	0.9585 Gen 1.0484 Cons
G4	33kV	NP Ruawai solar generation	0.9132 Gen 1.015 Con	0.9132 Gen 1.015 Cons
G5	33kV	Golden Stairs solar generation	0.9996 Gen 1.0000 Cons	0.9996 Gen 1.0000 Cons
G6	66kV	Kaiwaikawe windfarm generation	N/A	0.9550 Gen 1.0000 Cons

Frequency of Reviewing and Updating Loss Factors

Annual Review

The loss factor for the entire network will be reviewed once per year, typically in January. Any necessary updates identified during this review will take effect from 1 April each year.

Out-of-Cycle Updates

If a large distributed generation customer requests an out-of-cycle update to the loss factor, the customer will be responsible for covering the incremental costs associated with performing this update.

Discretionary Updates

We may choose to update the loss factor outside the annual cycle if:

- There is a significant change in network configuration, and/or
- A new large load or distributed generation customer connects during the year, and this change is expected to have a material impact on the loss factor for existing customers.