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Top Energy Loss Factors

In accordance with the Electricity Industry Participation Code, Top Energy has reviewed the Loss Factors applicable to ICP's on the Top Energy Electricity Distribution Network.

Top Energy's customers are metered at low and medium voltage. For each of these voltages a Loss Factor Code is calculated. *Table 1* below indicates the Loss Factor values applicable to each Loss Factor Code from 1 April 2024. These have been derived from load-flow modelling of the entire network including power transformers, sub-transmission circuits, high voltage feeders, distribution transformers and low voltage distribution reconciliation losses.

A new embedded solar generator, Kaitaia Solar Farm (KTS), has recently been commissioned. KTS receives its own site-specific embedded generator Reconciliation Loss Factor.

Table 1 Loss Factor Codes and Loss Factors for Top Energy's Network April 2024 to March 2025

Loss Factor Code	Registry Loss Code	Applied to Customer Connected to	Loss Factor Consumption	Loss Factor Generation
RLF D	GLV	LV Network 230/400V	1.1069	n/a
RLF I1 (JNL)	IND1	JNL	1.0209	n/a
RLF I2 (AFFCO)	IND2	AFFCO	1.0296	n/a
RLF G1 (NGA)	GEN1	Ngawha Generation A (25 MW)	1.0000	1.0000
RLF G2 (NGB)	GEN2	Ngawha Generation B (31MW)	1.0000	1.0000
RLF G5 (KTS)	GEN5	Kaitaia Solar Farm (23MW)	1.0089	1.0163