



NZAL: Pricing and Loss Factors

Distributor: NZAL - New Zealand Airways Limited

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The Embedded Network Company currently manages **10** embedded networks under the NZAL participant code for its property group client New Zealand Airways Ltd. These Embedded Networks (EN's) span **3** Local Area Networks. We endeavour to mirror the pricing of local networks where pricing to the ICP is applicable. Loss factors mirror the local network to align across all ICP and GXP based local networks.

All prices are exclusive of GST and no further discount applies.

Pricing and Loss Factors

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NZAL-CKHK – Wellington Electricity Lines

Pricing and loss factors for NZAL EN's within Wellington Electricity Lines network

NETWORK DETAILS

NSP	Location	Parent GXP	Local Network	Local Network Loss Code	Local Network Loss Factor	Gate Meter ICP's
NAH0011	139 The Terrace, Wellington	CPK0331	CKHK	VECG2	1.0285	1001150036CK102
NBS0011	10 Brandon Street, Wellington	KWA0111	CKHK	VECG3	1.0393	0000159407CK0E8
NPP0011	PrimeProperty Tower,86-90 Lambton Quay, Wellington	WIL0331	CKHK	VECG3	1.0393	1001148710CK73B
NPS0011	PSIS Building, 108 Featherston Street, Wellington	WIL0331	CKHK	VECG3	1.0393	1001147380CKDBD
NSR0011	81 Molesworth St Wellington	KWA0111	CKHK	VECG3	1.0393	1001154049CKD01
NTO0011	Technology One House, 86 Victoria St, Wellington	CPK0331	CKHK	VECG3	1.0393	1001147950CKAF5
NUL0011	498 Jackson Street, Petone, Wellington	GFD0331	CKHK	VECG3	1.0393	1001158921CK26C

NETWORK LOSSES

Loss Code	Embedded Loss Factor	Local Network Owner	Gateway Loss Factor Code	Gateway Loss Factor	Total Loss Factor at ICP	Matched Loss Code	Description
LNZALL1	1.0142	CKHK	VECG3	1.0393	1.0541	VECG1	
LNZALL2	1.0000	CKHK	VECG3	1.0393	1.0393	VECG3	
LNZALL6	1.0249	CKHK	VECG2	1.0285	1.0541	VECG1	
LNZALL7	1.0000	CKHK	VECG2	1.0285	1.0285	VECG2	

NETWORK PRICING

Network Tariff Code	Local Network Tariff Equivalent	Tariff Code ID	Calculation Methodology	Tariff Code Description	Rate	Units
NZCKP2	Business - GLV69	NZCKP2-FIXD		Fixed Daily Charge	2.8724	\$/Day
NZCKP2	Business - GLV69	NZCKP2-24UC		Variable Charge - Uncontrolled	0.0235	\$/kWh
NZCKP4	Business - GLV300	NZCKP4-FIXD		Fixed Daily Charge	18.0860	\$/Day
NZCKP4	Business - GLV300	NZCKP4-24UC		Variable Charge - Uncontrolled	0.0117	\$/kWh
PNZALP1	Business - GLV15	PNZALP1-FIXD		Fixed Daily Charge	1.0601	\$/Day
PNZALP1	Business - GLV15	PNZALP1-24UC		Variable Charge - Uncontrolled	0.0335	\$/kWh
PNZALP3	Business - GLV138	PNZALP3-FIXD		Fixed Daily Charge	10.9356	\$/Day
PNZALP3	Business - GLV138	PNZALP3-24UC		Variable Charge - Uncontrolled	0.0279	\$/kWh
PNZALP4	Business - GLV1500	PNZALP4-FIXD		Fixed Daily Charge	53.8740	\$/Day
PNZALP4	Business - GLV1500	PNZALP4-24UC		Variable Charge - Uncontrolled	0.0053	\$/kWh
PNZALP4	Business - GLV1500	PNZALP4-DAMD	CKHKDAMD300	Demand Charge	4.5624	\$/kVA/Month
PNZALP5	Business - GTX1500	PNZALP5-CAPY		Capacity Charge	0.0548	\$/kVA/day
PNZALP5	Business - GTX1500	PNZALP5-FIXD		Fixed Daily Charge	14.6039	\$/Day
PNZALP5	Business - GTX1500	PNZALP5-24UC		Variable Charge - Uncontrolled	0.0044	\$/kWh
PNZALP5	Business - GTX1500	PNZALP5-DAMD	CKHKDAMD300	Demand Charge	3.8348	\$/kVA/Month

CKHKDAMD300

For general low voltage connection and general transformer connection consumers with a capacity greater than 300kVA but less than or equal to 1500kVA, demand (DAMD) is defined as the maximum demand during the month, where the kVA demand is twice the maximum kVAh half hourly reading during the month to which the charges apply.

NZAL-VECT – Vector

Pricing and loss factors for TENC EN's within Vector network

NETWORK DETAILS

NSP	Location	Parent GXP	Local Network	Local Network Loss Code	Local Network Loss Factor	Gate Meter ICP's
NCA0011	Carlaw Park, Auckland	PEN1101	VECT	VECA3	1.0305	1002177260LCA8D
NCA0011	Carlaw Park, Auckland	PEN1101	VECT	VECA3	1.0305	1002177261LC6C8

NETWORK LOSSES

Loss Code	Embedded Loss Factor	Local Network Owner	Gateway Loss Factor Code	Gateway Loss Factor	Total Loss Factor at ICP	Matched Loss Code	Description
LNZALL8	1.0145	VECT	VECA3	1.0361	1.0511	VECA1	
LNZALL9	1.0000	VECT	VECA3	1.0361	1.0361	VECA2	

NETWORK PRICING

Network Tariff Code	Local Network Tariff Equivalent	Tariff Code ID	Calculation Methodology	Tariff Code Description	Rate	Units
NZLCABSH	Business - ABSH	NZLCABSH-FIXD		Fixed Daily Charge	1.7400	\$/Day
NZLCABSH	Business - ABSH	NZLCABSH-OFPK		Variable Charge - Off Peak	0.0263	\$/kWh
NZLCABSH	Business - ABSH	NZLCABSH-PEAK		Variable Charge - Peak	0.1385	\$/kWh
NZLCABSN	Business - ABSN	NZLCABSN-FIXD		Fixed Daily Charge	1.7400	\$/Day
NZLCABSN	Business - ABSN	NZLCABSN-24UC		Variable Charge - Uncontrolled	0.0609	\$/kWh
NZLCALVN	Business - ALVN	NZLCALVN-CAPY		Capacity Charge	0.0568	\$/kVA/Day
NZLCALVN	Business - ALVN	NZLCALVN-FIXD		Fixed Daily Charge	3.9300	\$/Day
NZLCALVN	Business - ALVN	NZLCALVN-24UC		Variable Charge - Uncontrolled	0.0659	\$/kWh
NZLCALVN	Business - ALVN	NZLCALVN-PWRF	VECTPWRF	Power Factor Charge	0.2917	\$/kVar/day
NZLCALVT	Business - ALVT	NZLCALVT-CAPY		Fixed Daily Charge	0.0568	\$/kVA/day
NZLCALVT	Business - ALVT	NZLCALVT-FIXD		Fixed Daily Charge	3.9300	\$/Day
NZLCALVT	Business - ALVT	NZLCALVT-24UC		Variable Charge - Uncontrolled	0.0364	\$/kWh

NZLCALVT	Business - ALVT	NZLCALVT-DAMD	VECTDAMD	Demand Charge	0.1321	\$/kVA/day
NZLCALVT	Business - ALVT	NZLCALVT-PWRF	VECTPWRF	Power Factor Charge	0.2917	\$/kVar/day

NZAL-WAIK – WEL Networks

Pricing and loss factors for NZAL EN's within the WEL Networks network

NETWORK DETAILS

NSP	Location	Parent GXP	Local Network	Local Network Loss Code	Local Network Loss Factor	Gate Meter ICP's
NAT0011	500 Victoria Street, Hamilton	HAM0331	WAIK	530	1.0559	0000043164WEC2C
NWH0011	711 Victoria/London Streets, Hamilton	HAM0331	WAIK	530	1.0559	0000030483WE600

NETWORK LOSSES

Loss Code	Embedded Loss Factor	Local Network Owner	Gateway Loss Factor Code	Gateway Loss Factor	Total Loss Factor at ICP	Matched Loss Code	Description
NZWEL1	1.0000	WAIK	530	1.0568	1.0568	530	
NZWEL2	1.0000	WAIK	530	1.0568	1.0568	530	

NETWORK PRICING

Network Tariff Code	Local Network Tariff Equivalent	Tariff Code ID	Calculation Methodology	Tariff Code Description	Rate	Units
NZWEP1	Business - 1200C	NZWEP1-FIXD		Fixed Daily Charge	2.0000	\$/Day
NZWEP1	Business - 1200C	NZWEP1-24UC		Variable Charge - Uncontrolled	0.0787	\$/kWh
NZWEP2	Business - 1360	NZWEP2-CAPY	WAIKCAPY	Nominated Capacity Charge	0.2184	\$/kVa/Day
NZWEP2	Business - 1360	NZWEP2-FIXD		Fixed Daily Charge	4.3108	\$/Day
NZWEP2	Business - 1360	NZWEP2-24UC		Variable Charge - Uncontrolled	0.0000	\$/kWh
NZWEP2	Business - 1360	NZWEP2-EXDMD	WAIKEDMD	Excess Demand Charge	1.0920	\$/kVa/Day
NZWEP2	Business - 1360	NZWEP2-REACTIVE	WAIKPWRF	Power Factor Charge	0.0200	\$/kVarh
NZWEP2	Business - 1360	NZWEP2-SUDAMD	WAIKDASM	Peak Demand Summer	9.2217	\$/kVa/Month
NZWEP2	Business - 1360	NZWEP2-WIDAMD	WAIKDAWM	Peak Demand Winter	15.6694	\$/kVa/Month
NZWEP3	Residential Standard - 1154	NZWEP3-FIXD		Fixed Daily Charge	1.5000	\$/Day
NZWEP3	Residential Standard - 1154	NZWEP3-OPKOOOC	WAIKOFPK	Variable Charge - Off Peak	0.0275	\$/kWh
NZWEP3	Residential Standard - 1154	NZWEP3-PKOOOC	WAIKPEAK	Variable Charge - Peak	0.1012	\$/kWh

NZWEP3	Residential Standard - 1154	NZWEP3-SPKOOO-WD	WAIKSHDR	Variable Charge - Shoulder	0.0395	\$/kWh
NZWEP3	Residential Standard - 1154	NZWEP3-SPKOOO-WE	WAIKSHDR	Variable Charge - Shoulder	0.0395	\$/kWh

WAIKCAPY

Is applied for the customer nominated capacity (in kVA) per day as per EA registry. Customers can request a change once per annum to their nominated capacity.

WAIKEDMD

Will be applied to anytime peak demand in excess of the customer nominated capacity in the billable period.

WAIKDASM

Is applied based on the average of the customers six highest half hour periods (kVA) during WEL's peak time periods each summer month. Summer is defined as the period from 1 October to 30 April (inclusive). Peak times are between 7 am to 9.30 am and 5.30 pm and 8 pm on weekdays excluding public holidays.

WAIKDAWM

Is applied based on the average of the customers six highest half hour periods (kVA) during WEL's peak time periods each winter month. Winter is defined as the period from 1 May to 30 September (inclusive). Peak times are between 7 am to 9.30 am and 5.30 pm and 8 pm on weekdays excluding public holidays.

WAIKPWRF

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), is 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).

WAIKOPFK

All days between 22:00 and 07:00.

WAIKSHDR

Business days between 09:30 to 17:30 and 20:00 to 22:00. Weekends and public holidays between 07:00-22:00.

WAIKPEAK

Business days excluding public holidays between 07:00 to 09:30 and 17:30 to 20:00.