

Northpower

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

Performance Accessibility Tool: [Link](#)

drop-down to change

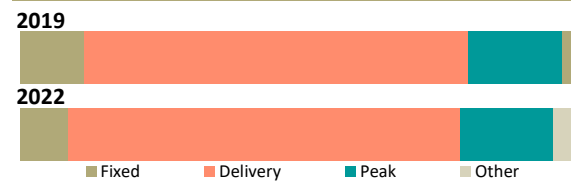
2022

Summary statistics

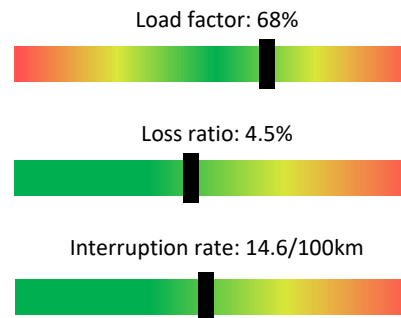
	2022 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$328m		+4.1%	10
Regulatory profit	\$25.7m		+14.3%	12
Return on investment	8.76%		+12.4%	20
Line charge revenue	\$65.2m		-6.6%	8
Other income	\$0.8m		+17.3%	9
Customer connections	62,040		+1.5%	8
Energy delivered	1,042 GWh		-0.5%	8
Peak demand	182 MW		+1.1%	8
Network capacity	594 MVA		+1.6%	11
Capital expenditure	\$30.0m		+7.6%	10
Operating expenditure	\$28.7m		+2.5%	8
Capital contributions	\$7.3m		+14.8%	8
Related party transactions	\$28.3m		+5.9%	5
Line length	6,151km		+0.5%	7
Outages - SAIDI	376 minutes		+27.3%	8
Outages - SAIFI	4.54 faults		+12.6%	3

Line charge revenues

	Proportion of revenue	Charges per unit	Rank
Average daily charge	8.6%	24.7¢/ICP	25
Delivery (kWh)	70.6%	4.4¢/kWh	17
Peak based	16.6%	\$60/kW	12



Network ratios



Company details

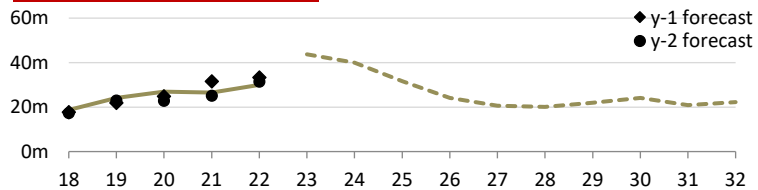
PQ Regulated?	No
Chief Executive:	Andrew McLeod
Ownership:	Northpower Electric Power Trust
Head Office:	28 Mt Pleasant Road, Raumanga; Whangārei
Phone number:	09 430 1803
Website:	www.northpower.com

Lines and cables

Estimated state of the assets	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	4,688km	1,115km	349km	54,819
RAB Value	\$132.6m	\$52.5m	\$18.3m	*
Average grade	3.54	4.03	3.02	3.47
Grade 1 / 2	2.4% / 3.2%	0.1% / 0.6%	0.9% / 29.1%	2.9% / 5.3%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	36 years	20 years	48 years	36 years
Over generic age	271km (5.8%)	8km (0.7%)	92km (26.3%)	3,567 (6.5%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	4.0%	0.4%	15.4%	5.5%
5yr planned replacement	9.2%	0.1%	9.0%	2.2%
Forecast repex (ave)	\$5.8m -18%	\$0.4m -32%	\$1.7m +299954%	*
Repex series				*

* RAB and expenditure on poles is included within Distribution and LV lines

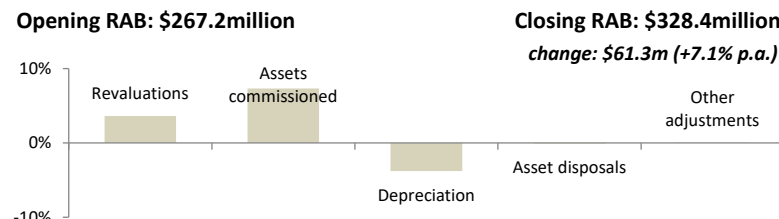
Capital expenditure



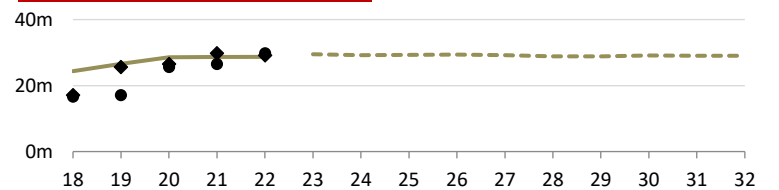
3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
8.9% Rank: 10	\$455 Rank: 19	2.61 Rank: 7

Capex by expenditure category	Average (2020–2022)	5 year trend	% of capex
Asset replacement & renewal	\$15.1m		54.1%
Consumer connection	\$5.7m		20.6%
System growth	\$3.0m		10.8%
Non-network assets	\$1.7m		6.3%
Reliability, safety & environment	\$1.6m		5.6%
Asset relocations	\$0.7m		2.7%
Total capital expenditure	\$27.8m		100.0%
Related party transactions	\$14.5m		52.2%

Annualised RAB changes (2020–2022)



Operating expenditure



3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$1.94 Rank: 10	\$274 Rank: 15	\$162 Rank: 11

Opex by expenditure category	Average (2020–2022)	5 year trend	% of opex
Business support	\$13.5m		47.2%
Routine & corrective maintenance	\$3.7m		12.8%
System operations & network support	\$3.3m		11.4%
Vegetation management	\$3.0m		10.4%
Service interruptions & emergencies	\$3.0m		10.4%
Asset replacement & renewal	\$2.3m		7.9%
Total operating expenditure	\$28.6m		100.0%
Related party transactions	\$11.7m		40.9%

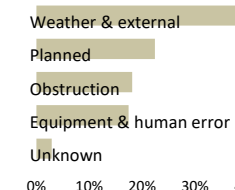
Switchgear and transformers

Estimated state of the assets	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	7,540	8,836	43	485
RAB Value	\$53.8m	\$8.9m	<---- \$34.7m ---->	
Average grade	3.69	3.71	3.41	3.58
Grade 1 / 2	6.7% / 3.5%	6.5% / 3.8%	2.4% / 12.2%	2.0% / 3.6%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	26 years	16 years	35 years	28 years
Over generic age	1,358 (18.0%)	878 (9.9%)	22 (50.7%)	143 (29.4%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	8.5%	8.4%	8.5%	3.8%
5yr planned replacement	1.6%	6.0%	36.6%	9.1%
Forecast repex (ave)	\$0.7m -22%	\$0.9m +117068%	\$8.3m +73%	
Repex series				

Reliability

	Unplanned	Planned	Trend
Interruptions	471	427	↑
SAIDI	258.5	117.2	↑
SAIFI	4.06	0.48	↑
CAIDI	63.7	244.4	↑

SAIDI causes



SAIFI causes

