

Waipa Networks

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

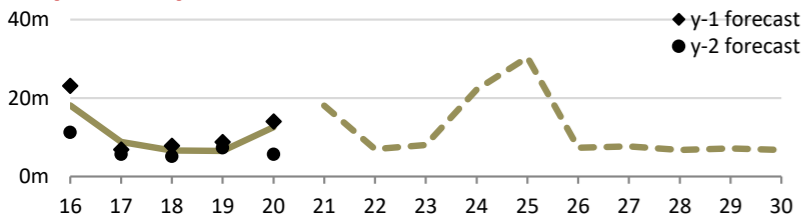
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$123m		+1.5%	22
Regulatory profit	\$6.4m		-3.4%	22
Return on investment	5.69%		-6.4%	19
Line charge revenue	\$26.9m		-1.0%	22
Other income	\$0.1m		-3.4%	22
Customer connections	27,217		+2.0%	16
Energy delivered	391 GWh		+1.3%	19
Peak demand	72 MW		-0.7%	19
Network capacity	322 MVA		+3.4%	18
Capital expenditure	\$12.6m		+12.6%	18
Operating expenditure	\$8.3m		+7.5%	23
Capital contributions	\$2.5m		-1.6%	13
Related party transactions	\$13.7m		+11.1%	12
Line length	2,268km		+1.2%	23
Outages - SAIDI	269 minutes		+9.6%	9
Outages - SAIFI	2.50 faults		+10.4%	10

Capital expenditure



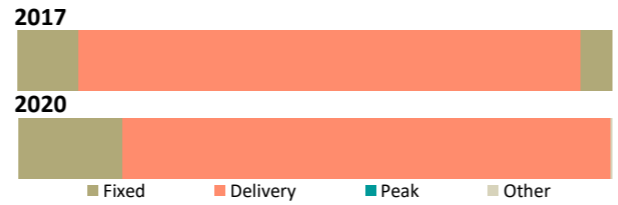
3 year ratios

Total capex / asset base	Total capex / connections	Total capex / depreciation
7.2% Rank: 17	\$322 Rank: 24	2.13 Rank: 9

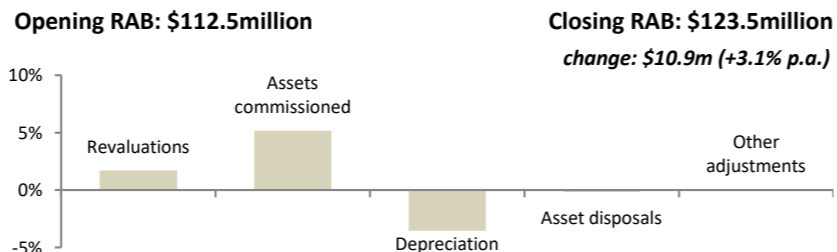
Capex by expenditure category	Average (2018–2020)	5 year trend	% of capex
Consumer connection	\$4.2m		48.7%
Asset replacement & renewal	\$1.6m		19.1%
System growth	\$1.2m		14.5%
Reliability, safety & environment	\$0.9m		10.9%
Non-network assets	\$0.4m		4.4%
Asset relocations	\$0.2m		2.3%
Total capital expenditure	\$8.6m		100.0%
Related party transactions	\$6.4m		74.1%

Line charge revenues

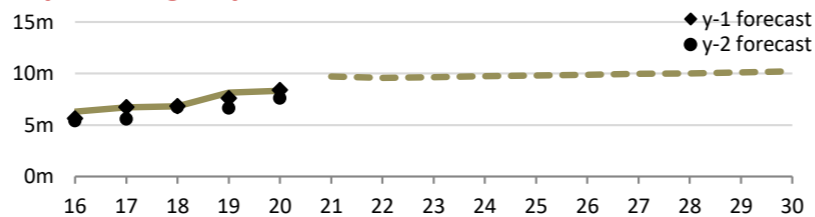
	Proportion of revenue	Charges per unit	Rank
Average daily charge	17.7%	47.9¢/ICP	17
Delivery (kWh)	82.2%	5.7¢/kWh	10
Peak based	0.0%	N/A	21



Annualised RAB changes (2018–2020)



Operating expenditure



3 year ratios

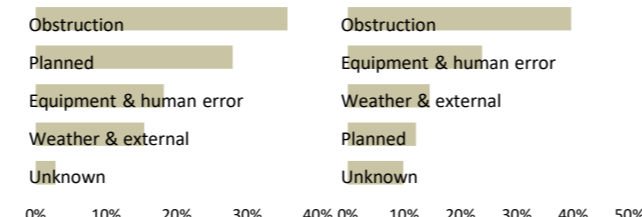
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$1.65 Rank: 12	\$152 Rank: 25	\$106 Rank: 19

Opex by expenditure category	Average (2018–2020)	5 year trend	% of opex
Business support	\$2.3m		29.1%
System operations & network support	\$1.8m		23.2%
Service interruptions & emergencies	\$1.1m		14.1%
Routine & corrective maintenance	\$1.0m		13.0%
Vegetation management	\$1.0m		12.4%
Asset replacement & renewal	\$0.6m		8.1%
Total operating expenditure	\$7.8m		100.0%
Related party transactions	\$4.1m		53.4%

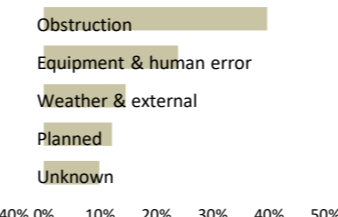
Reliability

	Unplanned	Planned	Trend
Interruptions	176	163	↑
SAIDI	182.0	87.0	↑
SAIFI	2.20	0.30	↑
CAIDI	82.7	290.3	↑

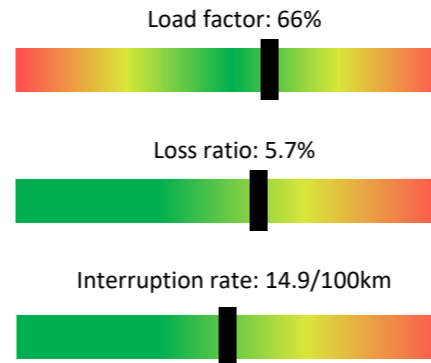
SAIDI causes



SAIFI causes



Network ratios



Company details

PQ Regulated?	No
CEO:	Adam Fletcher
Ownership:	Waipa Networks Trust
Head Office:	240 Harrison Drive; Te Awamutu
Phone number:	07 872 0745
Website:	www.waipanetworks.co.nz

Lines and cables

Estimated state of the assets	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	1,736km	459km	36km	22,240
RAB Value	\$28.6m	\$23.4m	\$18.8m	*
Average grade	3.18	4.13	4.97	4.26
Grade 1 / 2	0.4% / 3.6%	1.6% / 9.1%	0.0% / 0.0%	0.0% / 3.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	33 years	20 years	4 years	32 years
Over generic age	0km (0.0%)	7km (1.5%)	0km (0.0%)	384 (1.7%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	2.1%	6.2%	0.0%	1.6%
5yr planned replacement	0.5%	0.5%	0.0%	4.7%
Forecast repex (ave)	\$0.0m -100%	\$0.3m +55%	\$1.1m	*
Repex series				

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

Switchgear and transformers

Estimated state of the assets	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	3,581	5,377	0	0
RAB Value	\$28.8m	\$16.5m	<----- \$0.0m ----->	
Average grade	4.00	3.73	.	.
Grade 1 / 2	0.0% / 10.0%	3.4% / 6.1%	.	.
Unknown grade	0.0%	0.0%	.	.
Average age	22 years	24 years	.	.
Over generic age	406 (11.3%)	1,662 (30.9%)	.	.
Unknown age	0.0%	0.0%	.	.
5yr replacement req (est)	5.0%	6.5%	.	.
5yr planned replacement	3.5%	3.5%	.	.
Forecast repex (ave)	\$0.2m -71%	\$0.0m -100%		\$2.7m
Repex series				

