

EA Networks

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

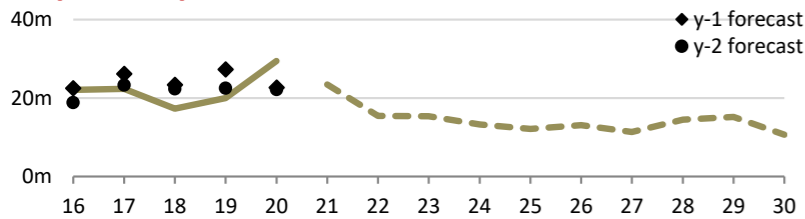
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$293m		+3.5%	
Regulatory profit	\$18.1m		+5.3%	
Return on investment	6.89%		+2.5%	
Line charge revenue	\$55.6m		+9.2%	
Other income	\$0.2m		-41.7%	
Customer connections	19,672		+1.2%	
Energy delivered	607 GWh		+2.5%	
Peak demand	177 MW		+2.8%	
Network capacity	613 MVA		+2.4%	
Capital expenditure	\$29.4m		+9.6%	
Operating expenditure	\$13.2m		+6.6%	
Capital contributions	\$0.5m		-13.5%	
Related party transactions	\$18.9m		+29.0%	
Line length	3,074km		-0.1%	
Outages - SAIDI	191 minutes		+0.7%	
Outages - SAIFI	1.74 faults		+6.6%	

Capital expenditure



3 year ratios		
Total capex / asset base	8.0%	Rank: 1,145
Total capex / connections		Rank: 2.32
Total capex / depreciation		Rank: 2.32

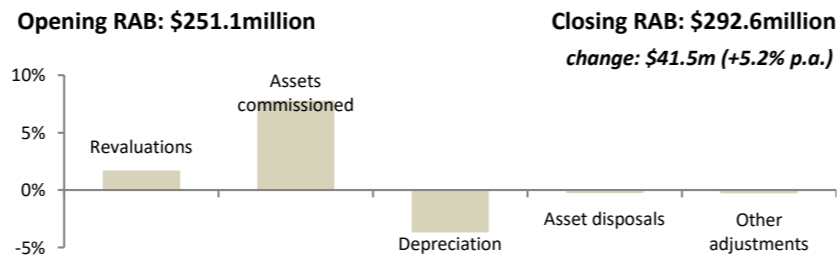
Capex by expenditure category	Average (2018-2020)	5 year trend	% of capex
Asset replacement & renewal	\$8.7m		39.1%
Non-network assets	\$4.7m		20.9%
System growth	\$3.7m		16.7%
Reliability, safety & environment	\$2.7m		12.1%
Consumer connection	\$2.5m		11.2%
Asset relocations	\$0.0m		0.0%
Total capital expenditure	\$22.3m		100.0%
Related party transactions	\$9.8m		44.2%

Line charge revenues

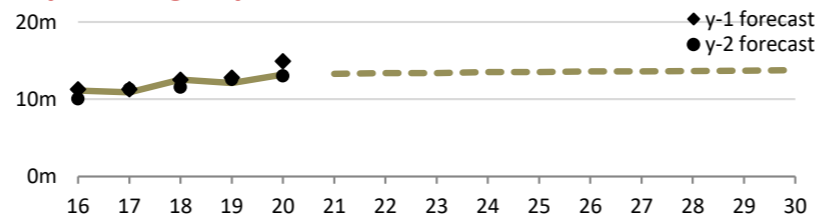
	Proportion of revenue	Charges per unit	Rank
Average daily charge	4.3%	33.0¢/ICP	
Delivery (kWh)	44.3%	4.1¢/kWh	
Peak based	51.4%	\$161/kW	

Year	Fixed	Delivery	Peak	Other
2017				
2020				

Annualised RAB changes (2018-2020)



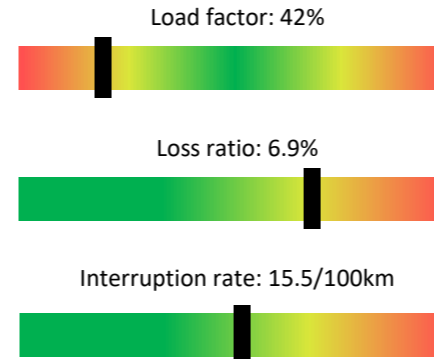
Operating expenditure



3 year ratios		
Network opex / metre of line	\$1.27	Rank: \$447
Non-network opex / connections		Rank: \$73
Total opex / kW		Rank: \$73

Opex by expenditure category	Average (2018-2020)	5 year trend	% of opex
Business support	\$5.1m		40.5%
System operations & network support	\$3.6m		28.4%
Asset replacement & renewal	\$1.5m		11.8%
Routine & corrective maintenance	\$1.1m		8.6%
Service interruptions & emergencies	\$0.9m		7.3%
Vegetation management	\$0.4m		3.5%
Total operating expenditure	\$12.6m		100.0%
Related party transactions	\$3.5m		27.4%

Network ratios



Company details

PQ Regulated?	Yes	Price breach: No
		Quality breach: No
CEO:	Roger Sutton	
Ownership:	Ashburton District Council	
	Co-operative members	
Head Office:	22 JB Cullen Drive, Ashburton Business Estate	
Phone number:	03 307 9800	
Website:	www.eanetworks.co.nz	

Lines and cables

	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	2,001km	677km	396km	28,328
RAB Value	\$49.9m	\$76.2m	\$16.9m	*
Average grade	4.20	4.58	4.68	4.30
Grade 1 / 2	1.5% / 2.8%	0.0% / 0.6%	0.0% / 0.2%	1.6% / 1.9%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	23 years	15 years	17 years	21 years
Over generic age	27km (1.3%)	0km (0.0%)	0km (0.0%)	1,356 (4.8%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	2.9%	0.3%	0.1%	2.6%
5yr planned replacement	4.3%	0.6%	4.9%	3.5%
Forecast repex (ave)	\$2.1m +8%	\$2.5m -43%	\$0.6m -50%	*
Repex series				*

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

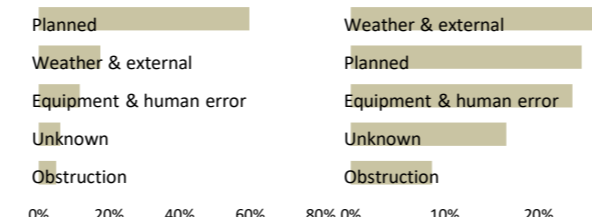
Switchgear and transformers

	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	7,390	8,400	40	682
RAB Value	\$62.8m	\$35.7m	<----- \$26.1m ----->	
Average grade	4.32	4.58	4.00	2.96
Grade 1 / 2	0.1% / 5.4%	0.3% / 0.6%	0.0% / 13.5%	0.0% / 2.0%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	20 years	15 years	22 years	18 years
Over generic age	813 (11.0%)	401 (4.8%)	7 (17.5%)	99 (14.5%)
Unknown age	0.0%	14.3%	0.0%	0.0%
5yr replacement req (est)	2.8%	0.5%	6.8%	1.0%
5yr planned replacement	1.7%	0.1%	13.5%	2.0%
Forecast repex (ave)	\$0.7m -3%	\$0.4m -20%	\$0.1m +175%	
Repex series				

Reliability

	Unplanned	Planned	Trend
Interruptions	275	200	
SAIDI	95.3	96.1	
SAIFI	1.45	0.29	
CAIDI	65.7	329.1	

SAIDI causes



SAIFI causes

