

Eastland Network

[Excel workbook](#)

Explanatory documentation: [Link](#)

Summary database: [Link](#)

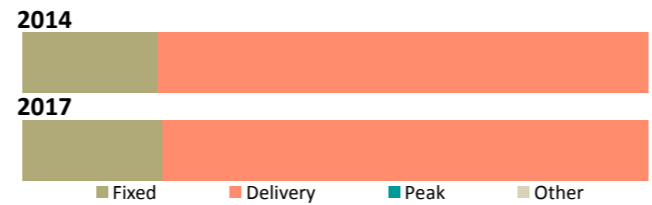
2017

Summary statistics

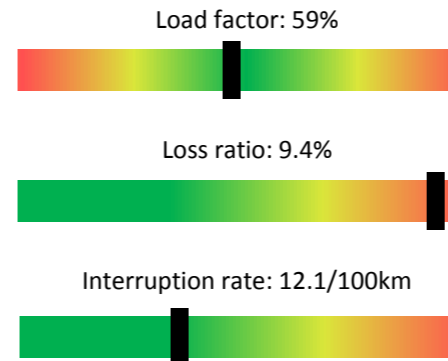
	2017 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$152m		+5.7%	20
Regulatory profit	\$12.0m		+13.1%	19
Return on investment	8.94%			5
Line charge revenue	\$34.6m		+2.1%	20
Other income	\$0.6m		+34.2%	11
Customer connections	25,407		-0.1%	17
Energy delivered	273 GWh		-0.8%	22
Peak demand	59 MW		-0.6%	23
Network capacity	261 MVA		+1.5%	20
Capital expenditure	\$7.7m		+9.4%	21
Operating expenditure	\$9.2m		+5.0%	19
Capital contributions	\$0.0m		-100.0%	25
Related party transactions	\$6.9m		-6.0%	20
Line length	3,952km		+2.7%	15
Outages - SAIDI	1924 minutes		+89.0%	29
Outages - SAIFI	4.52 faults		+19.2%	27

Line charge revenues

	Proportion of revenue	Charges per unit	Rank
Average daily charge	22.5%	83.8¢/ICP	19
Delivery (kWh)	77.5%	9.8¢/kWh	26
Peak based	0.0%	N/A	1



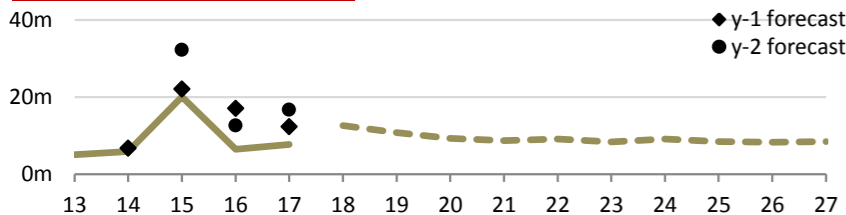
Network ratios



Company details

PQ Regulated?	Yes	Price breach:	No
		Quality breach:	2012
CEO:	Matt Todd		
Ownership:	Eastland Community Trust		
Head Office:	37 Gladstone Road; Gisborne		
Phone number:	06 986 4800		
Website:	www.eastland.co.nz		

Capital expenditure

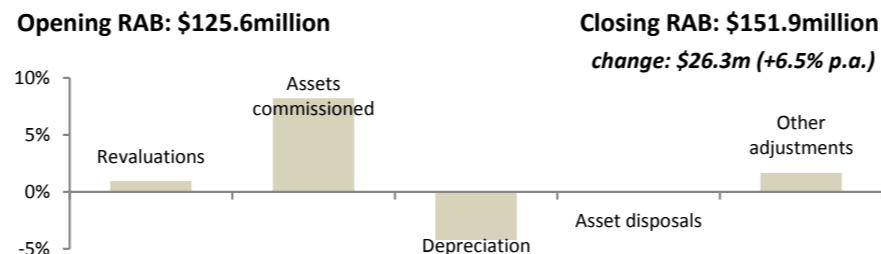


3 year ratios

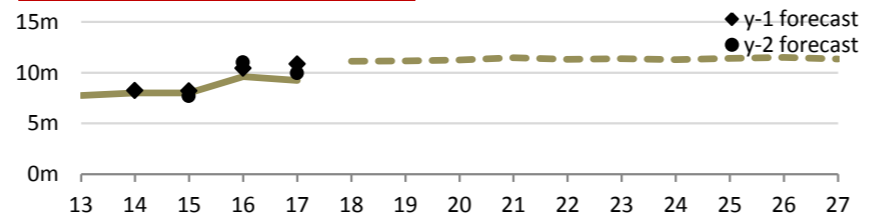
Total capex / asset base	Total capex / connections	Total capex / depreciation
7.9% Rank: 15	\$449 Rank: 19	2.00 Rank: 14

Capex by expenditure category	Average (2015-2017)	5 year trend	% of capex
Asset replacement & renewal	\$5.3m		46.2%
System growth	\$5.2m		45.9%
Reliability, safety & environment	\$0.4m		3.6%
Non-network assets	\$0.4m		3.2%
Consumer connection	\$0.1m		1.0%
Asset relocations	\$0.0m		0.1%
Total capital expenditure	\$11.4m		100.0%
Related party transactions	\$1.1m		9.2%

Annualised RAB changes (2015-2017)



Operating expenditure



3 year ratios

Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$1.07 Rank: 8	\$185 Rank: 15	\$154 Rank: 23

Opex by expenditure category	Average (2015-2017)	5 year trend	% of opex
Business support	\$3.2m		36.0%
System operations & network support	\$1.5m		16.6%
Asset replacement & renewal	\$1.4m		16.1%
Service interruptions & emergencies	\$1.1m		11.8%
Vegetation management	\$0.9m		9.9%
Routine & corrective maintenance	\$0.9m		9.7%
Total operating expenditure	\$9.0m		100.0%
Related party transactions	\$6.0m		67.2%

Lines and cables

Estimated state of the assets	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	2,912km	398km	644km	34,316
RAB Value	\$53.6m	\$24.1m	\$16.5m	*
Average grade	3.17	3.50	3.21	3.42
Grade 1 / 2	0.1% / 0.3%	0.3% / 0.8%	0.0% / 0.1%	2.0% / 6.1%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	49 years	26 years	48 years	30 years
Over generic age	706km (24.2%)	2km (0.5%)	144km (22.4%)	8,875 (25.9%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	0.3%	0.6%	0.1%	5.1%
5yr planned replacement	0.5%	1.3%	0.2%	10.1%
Forecast repex (ave)	\$3.6m +29%	\$0.2m +14%	\$1.4m +79%	*
Repex series				*

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

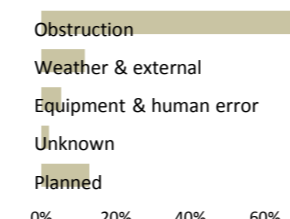
Switchgear and transformers

Estimated state of the assets	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	3,615	4,728	51	157
RAB Value	\$16.6m	\$8.1m	<----- \$19.3m ----->	
Average grade	3.36	3.32	3.33	3.37
Grade 1 / 2	1.6% / 4.8%	1.5% / 4.5%	0.0% / 5.6%	8.6% / 0.0%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	28 years	29 years	35 years	19 years
Over generic age	957 (26.5%)	1,941 (41.1%)	20 (38.8%)	12 (7.7%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	4.0%	3.8%	2.8%	8.6%
5yr planned replacement	8.0%	7.5%	5.6%	8.5%
Forecast repex (ave)	\$0.4m -17%	\$0.5m -6%	\$1.3m +333%	
Repex series				

Reliability

	Unplanned	Planned	Trend
Interruptions	273	207	↑
SAIDI	1727.8	195.7	↑
SAIFI	3.54	0.98	↑
CAIDI	488.6	199.6	↑

SAIDI causes



SAIFI causes

