

Buller Electricity

[Excel workbook](#)

Explanatory documentation: [Link](#)

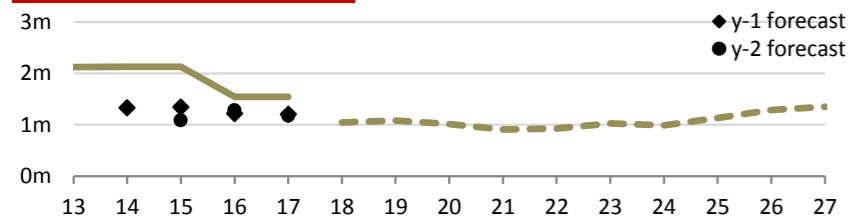
Summary database: [Link](#)

2017

Summary statistics

	2017 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$29m		-0.0%	29
Regulatory profit	\$1.4m		+0.0%	29
Return on investment	4.96%			26
Line charge revenue	\$7.3m		-2.0%	29
Other income	\$0.1m		+3.6%	19
Customer connections	4,579		-0.1%	29
Energy delivered	50 GWh		-5.2%	29
Peak demand	10 MW		-2.8%	29
Network capacity	46 MVA		+0.7%	29
Capital expenditure	\$1.5m		-10.2%	28
Operating expenditure	\$3.1m		-2.7%	27
Capital contributions	\$0.2m		-5.1%	20
Related party transactions	\$4.1m		+1.5%	21
Line length	642km		+0.2%	28
Outages - SAIDI	1051 minutes		+82.8%	28
Outages - SAIFI	5.11 faults		+47.6%	28

Capital expenditure

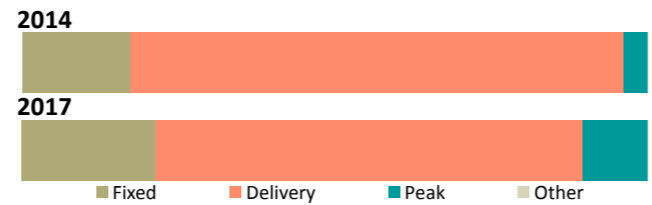


3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
6.0% Rank: 9	\$378 Rank: 13	1.31 Rank: 6

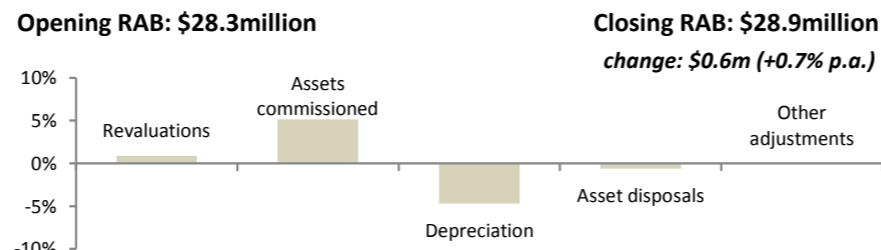
Capex by expenditure category	Average (2015-2017)	5 year trend	% of capex
Asset replacement & renewal	\$1.0m		57.0%
Reliability, safety & environment	\$0.3m		18.7%
Consumer connection	\$0.2m		11.6%
Non-network assets	\$0.1m		8.1%
Asset relocations	\$0.1m		3.6%
System growth	\$0.0m		1.0%
Total capital expenditure	\$1.7m		100.0%
Related party transactions	\$1.4m		79.0%

Line charge revenues

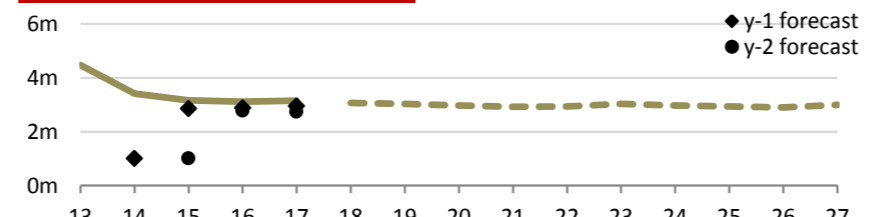
	Proportion of revenue	Charges per unit	Rank
Average daily charge	21.3%	93.0¢/ICP	20
Delivery (kWh)	68.2%	10.0¢/kWh	27
Peak based	10.4%	\$74/kW	18



Annualised RAB changes (2015-2017)



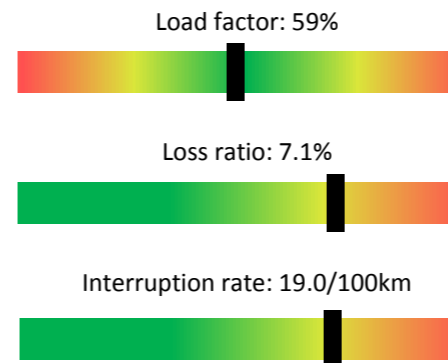
Operating expenditure



3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$2.01 Rank: 21	\$404 Rank: 29	\$297 Rank: 29

Opex by expenditure category	Average (2015-2017)	5 year trend	% of opex
Business support	\$1.8m		57.0%
Service interruptions & emergencies	\$0.5m		17.1%
Routine & corrective maintenance	\$0.3m		9.0%
Asset replacement & renewal	\$0.2m		7.8%
Vegetation management	\$0.2m		7.1%
System operations & network support	\$0.1m		2.0%
Total operating expenditure	\$3.1m		100.0%
Related party transactions	\$1.9m		61.2%

Network ratios



Company details

PQ Regulated?	No
CEO:	Eamon Ginley
Ownership:	Buller Electric Power Trust
Head Office:	Robertson Street; Westport
Phone number:	03 788 8171
Website:	www.bullerelectricity.co.nz

Lines and cables

Estimated state of the assets	Distribution & LV			
	O/H lines	U/G cables	Subtransmission lines and cables	Poles
Quantity	484km	51km	106km	7,005
RAB Value	\$7.0m	\$2.2m	\$2.5m	*
Average grade	2.94	3.12	0.03	3.82
Grade 1 / 2	1.8% / 9.5%	0.0% / 3.2%	0.0% / 0.0%	0.8% / 2.6%
Unknown grade	0.8%	0.6%	0.0%	8.3%
Average age	33 years	14 years	33 years	34 years
Over generic age	10km (2.1%)	0km (0.8%)	0km (0.3%)	414 (5.9%)
Unknown age	0.0%	0.0%	0.0%	0.2%
5yr replacement req (est)	6.5%	1.6%	0.0%	2.1%
5yr planned replacement	1.4%	0.0%	0.0%	9.2%
Forecast repex (ave)	\$0.4m +7%	\$0.0m -100%	\$0.1m -52%	*
Repex series				*

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

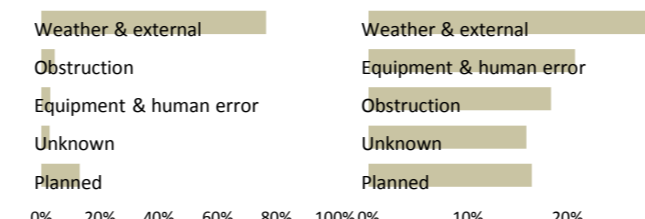
Switchgear and transformers

Estimated state of the assets	Distribution transformers			
	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	799	1,048	13	73
RAB Value	\$3.0m	\$2.6m	<----- \$7.0m ----->	
Average grade	3.09	3.08	2.50	3.00
Grade 1 / 2	0.3% / 3.7%	2.6% / 8.7%	10.0% / 30.0%	0.0% / 0.0%
Unknown grade	0.6%	1.9%	0.0%	0.0%
Average age	26 years	17 years	31 years	16 years
Over generic age	132 (16.5%)	99 (9.4%)	5 (36.9%)	1 (0.8%)
Unknown age	0.1%	0.1%	0.0%	0.0%
5yr replacement req (est)	2.1%	6.9%	25.0%	0.0%
5yr planned replacement	10.3%	0.3%	0.0%	0.0%
Forecast repex (ave)	\$0.1m -31%	\$0.0m -55%	\$0.0m -98%	
Repex series				

Reliability

	Unplanned	Planned	Trend
Interruptions	65	57	↑
SAIDI	761.4	289.5	↑
SAIFI	4.39	0.73	↑
CAIDI	173.6	397.6	↑

SAIDI causes



SAIFI causes

