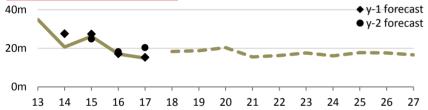
Top Energy

Summary statistics 2017 5 year 3 year Rank value trend **CAGR** Regulatory asset base \$238m +5.3% 13 7 Regulatory profit \$20.4m +33.8% Return on investment 9.37% 3 \$50.3m +10.3% 12 Line charge revenue \$0.5m -3.6% 15 Other income **Customer connections** 31,365 +0.8% 15 322 GWh Energy delivered -0.2% 21 69 MW -0.6% 20 Peak demand 321 MVA +1.4% 17 Network capacity Capital expenditure \$14.9m -10.2% 13 +3.3% 13 Operating expenditure \$14.2m Capital contributions \$1.0m -+24.0% 15 -0.3% 12 Related party transactions \$12.2m 4,030km Line length +0.6% 14 621 minutes +7.5% 27 **Outages - SAIDI** Outages - SAIFI 5.65 faults +1.0% 29

Capital expenditure



3 year ratios							
Tota	l capex /	Tota	l capex /	Total capex /			
asset base		conr	nections	depreciation			
8.5% Rank: 20		\$624 Rank: 24		2.34 Rank: 23			

0.570 Harik: 20	702-1	Rank. 24	2.57	Marik. 25
Capex by expenditure category		Average (2015–2017)	5 year trend	% of capex
Asset replacement & renev	wal	\$8.1m		41.6%
Reliability, safety & environ	nment	\$6.4m	<u> </u>	32.8%
System growth		\$2.9m		14.9%
Consumer connection		\$1.5m		7.6%
Non-network assets		\$0.6m		3.2%
Asset relocations		\$0.0m		0.0%
Total capital expenditure		\$19.4m	<u></u>	100.0%
Related party transac	tions	\$5.4m		27.6%

Excel workbook

■ Fixed

Explanatory documentation: Link

Line charge revenues

2.7% 5	5.9¢/ICP	13
7.3% 13	.7¢/kWh	29
0.0%	N/A	1
		7.3% 13.7¢/kWh

Delivery

Network ratios



Company details

PQ Regulated? Yes

Price breach: No Quality breach: No 2017

CEO: **Russell Shaw**

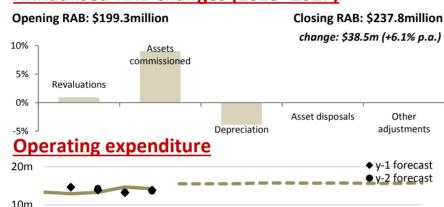
Ownership: Top Energy Consumer Trust

Head Office: Level 2, 60 Kerikeri Road; Kerikeri

09 401 5440 Phone number:

Website: www.topenergy.co.nz

Annualised RAB changes (2015-2017)



Peak

Other

0														
0m —	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	- 1	
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27

3 year ratios									
Network opex / metre of line			work opex / nections	Total opex / kW					
\$1.51	Rank: 17	\$259	Rank: 23	\$204	Rank: 27				
Opex by exp	penditure		Average	5 year	% of				

Opex by expenditure category	Average (2015–2017)	5 year trend	% of opex
Business support	\$4.2m		29.9%
System operations & network support	\$3.8m		27.2%
Vegetation management	\$2.0m		14.3%
Routine & corrective maintenance	\$1.7m		11.8%
Service interruptions & emergencies	\$1.6m		11.3%
Asset replacement & renewal	\$0.8m		5.5%
Total operating expenditure	\$14.1m		100.0%
Related party transactions	\$7.0m		49.5%

Lines and cables

Summary database: Link

Estimated state				
of the assets	stribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	2,801km	849km	377km	36,458
RAB Value	\$47.8m	\$36.9m	\$61.8m	*
Average grade	2.90	3.01	3.13	3.04
Grade 1 / 2	5.1% / 3.5%	1.0% / 4.1%	0.0% / 0.0%	1.0% / 1.0%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	37 years	22 years	29 years	32 years
Over generic age	305km (10.9%)	0km (0.0%)	4km (1.1%)	1,295 (3.6%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est) 6.8%	3.1%	0.0%	1.5%
5yr planned replacement	0.0%	0.0%	0.0%	2.1%
Forecast repex (ave)	\$4.5m +38%	\$0.2m +119%	\$1.5m -17%	*
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	6,015	1,838	24	364
RAB Value	\$27.8m	\$16.2m	<\$	38.1m>
Average grade	2.98	2.95	2.83	3.11
Grade 1 / 2	7.1% / 2.7%	8.7% / 4.4%	0.0% / 37.5%	7.6% / 12.9%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	21 years	18 years	34 years	16 years
Over generic age	634 (10.5%)	396 (21.6%)	11 (45.8%)	64 (17.5%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est	8.4%	10.9%	18.8%	14.1%
5yr planned replacement	0.0%	1.5%	0.0%	21.0%
Forecast repex (ave)	\$0.1m -76%	\$0.3m -19%	\$1.3	3m -30%
Repex series		_/		****



Unplanned Planned Trend Interruptions 409 207 SAIDI 578.5 42.9 SAIFI 5.37 0.28

107.8

152.3

Reliability

