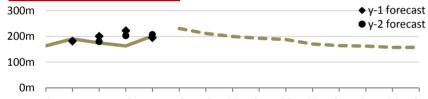
Vector Lines

Summary statistics	2017 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$2,879m		+2.4%	1
Regulatory profit	\$187.3m		-0.2%	1
Return on investment	7.01%	\sim		20
Line charge revenue	\$616.0m		+0.5%	1
Other income	\$0.0m		-100.0%	27
Customer connections	551,728		+0.7%	1
Energy delivered	8,302 GWh		+0.2%	1
Peak demand	1,698 MW		-0.9%	1
Network capacity	4,753 MVA		+1.5%	1
Capital expenditure	\$201.9m		+2.0%	1
Operating expenditure	\$107.9m		-0.4%	1
Capital contributions	\$58.9m		+22.6%	1
Related party transactions	\$117.9m		+108.2%	1
Line length	18,455km		+0.9%	2
Outages - SAIDI	248 minutes	\sim	+18.0%	20
Outages - SAIFI	2.10 faults	~	+13.1%	17

Capital expenditure



3 year ratios								
Total capex / asset base		Total capex / connections		Total capex / depreciation				
6.5%	Rank: 11	\$329	Rank: 9	1.91	Rank: 12			
Capex by e category	xpenditure		Average (2015–2017)	5 year trend	% of capex			
Asset repla	cement & rene	wal	\$74.2m		41.3%			
Consumer of	connection		\$47.0m		26.1%			
System gro	wth		\$27.8m	\sim	15.4%			
Asset reloc	ations		\$17.4m	\sim	9.7%			
Non-netwo	rk assets		\$10.6m		5.9%			
Reliability,	safety & enviro	nment	\$2.9m	\sim	1.6%			
Total capita	al expenditure		\$179.9m		100.0%			
Relate	ed party transa	ctions	\$31.0m		17.2%			

COMMERCE

NEW

COMMISSION

Te Komihana Tauhokohoko

ZEALAND

Excel workbook

Explanatory documentation: Link

Closing RAB: \$2,879.1million change: \$260.3m (+3.2% p.a.)

Asset disposals

Depreciation

13 14 15 16 17 18 19 20 21 22 23 24 25 26 27

Non-network opex /

connections

Rank: 9

Average (2015-2017)

\$40.7m

\$31.7m

\$12.5m

\$12.1m

\$9.6m

\$4.3m

\$111.0m

\$14.3m

\$133

Other

adjustments

♦ y-1 forecast

• y-2 forecast

Total opex / kW

Rank: 4

% of

opex

36.7%

28.6%

11.2%

10.9%

8.7%

3.9%

100.0%

12.9%

\$64

5 year

trend

SAIFI causes

Obstruction

50%0%

Weather & external

inment & human error

10% 20% 30%

Summary database: Link

Line charge revenues

Opening RAB: \$2,618.9million

Operating expenditure

Revaluations

10%

5%

0%

-5%

150m

100m

50m 0m

3 year ratios

\$2.11

category

Network opex /

metre of line

Opex by expenditure

Business support

Rank: 24

System operations & network support

Asset replacement & renewal

Vegetation management

Total operating expenditure

Routine & corrective maintenance

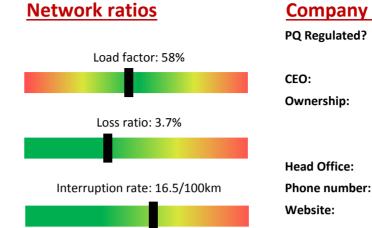
Service interruptions & emergencies

Related party transactions

Prop	oortion of revenue	Charges per unit	Rank
Average daily charge	23.2%	71.1¢/ICP	17
Delivery (kWh)	61.6%	4.6¢/kWh	14
Peak based	15.2%	\$55/kW	14
2014			
2017			
Fixed D	elivery	Peak O	ther

Annualised RAB changes (2015–2017)

Assets commissioned



Lines and cables

Entes and caste				
Estimated state of the assets	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	7,952km	9,499km	1,004km	119,583
RAB Value	\$308.1m	\$757.6m	\$459.3m	*
Average grade	3.27	3.66	3.43	3.40
Grade 1 / 2	0.0% / 0.0%	0.0% / 0.4%	0.0% / 0.3%	0.0% / 0.1%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	36 years	26 years	32 years	30 years
Over generic age	220km (2.8%)	43km (0.5%)	38km (3.8%)	5,826 (4.9%)
Unknown age	1.2%	0.2%	0.0%	14.6%
5yr replacement req (es	st) 0.0%	0.2%	0.2%	0.1%
5yr planned replacement	nt 0.2%	0.5%	1.9%	6.3%
Forecast repex (ave)	\$31.0m +23%	\$3.4m -38%	\$2.7m -57%	*
Repex series				*

Switchgear and transformers

Estimated state					
of the assets	Distribution	Distribution	Zone-substation	Zone-substation	
	transformers	switchgear	transformers	switchgear	
Quantity	21,643	19,748	216	1,997	
RAB Value	\$263.2m	\$171.1m	< \$2	265.9m>	
Average grade	3.52	3.42	3.45	3.37	
Grade 1 / 2	3.2% / 1.7%	1.6% / 1.2%	0.0% / 1.4%	0.0% / 12.1	
Unknown grade	0.0%	0.0%	0.0%	0.0%	
Average age	23 years	22 years	31 years	26 years	
Over generic age	2,348 (10.8%)	4,799 (24.3%)	85 (39.4%)	751 (37.6%	
Unknown age	0.0%	1.6%	0.0%	0.0%	
5yr replacement req (est) 4.1%	2.2%	0.7%	6.0%	
5yr planned replacemen	t 7.2%	7.3%	9.3%	24.4%	
Forecast repex (ave)	\$10.9m +28%	\$9.3m +21%	\$26.5m +75%		
Repex series	·····				

Reliability

	Unplanned	Planned	Trei
Interruptions	1,735	1,301	ſ
SAIDI	176.7	71.4	Î
SAIFI	1.74	0.35	1
CAIDI	101.5	201.4	

SAIDI causes								
Equi	pment	& hum	an erro	or				
Obstruction								
Wea	ther &	externa	al					
Unk	nown							
Plan	ned							
0%	10%	20%	30%					

inned			
10%	20%	30%	

40%

2

SAIDI causes end

nn	ed			
	10%	20%	30%	4

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
3 year ratios															
• •							cape: ectior	-		Total capex / depreciation					
6.	5%		Rank	c: 11		\$329		Ra	nk: 9)	1.91 Rank: 12			: 12	
Capex by expenditure category							Aver 5–20	•		yea rend			% of capex		
Asse	Asset replacement & renewal							\$74	2m	_			Þ	41.3%	

2017

Company details

Yes Price breach: 2014 Quality breach: 2015, 2016, 2017 Simon Mackenzie Entrust 75.4% (formerly Auckland Energy Consumer Trust) Public 24.6% 101 Carlton Gore Road; Auckland 09 978 7788 www.vector.co.nz

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