

Vector Lines

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

Performance Accessibility Tool: [Link](#)

drop-down to change

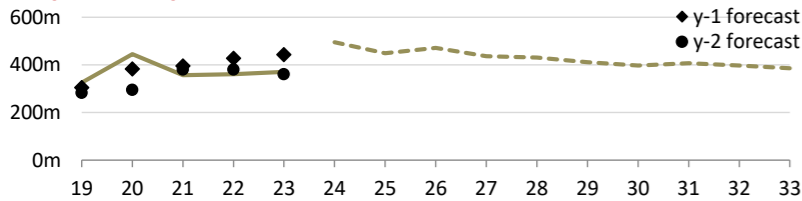
2023

Summary statistics

	2023 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$3,892m		+1.4%	1
Regulatory profit	\$313.3m		+15.5%	1
Return on investment	8.88%		+15.0%	14
Line charge revenue	\$612.8m		-4.9%	1
Other income	\$0.0m			24
Customer connections	603,707		+1.7%	1
Energy delivered	8,462 GWh		+0.1%	1
Peak demand	1,759 MW		+0.3%	1
Network capacity	5,734 MVA		+3.8%	1
Capital expenditure	\$371.1m		-5.9%	1
Operating expenditure	\$145.9m		+0.5%	1
Capital contributions	\$163.8m		+19.0%	1
Related party transactions*	\$13.6m		-76.6%	11
Line length	19,468km		+0.9%	2
Outages - SAIDI	485 minutes		+29.9%	12
Outages - SAIFI	1.87 faults		+1.3%	18

*Includes asset disposals

Capital expenditure



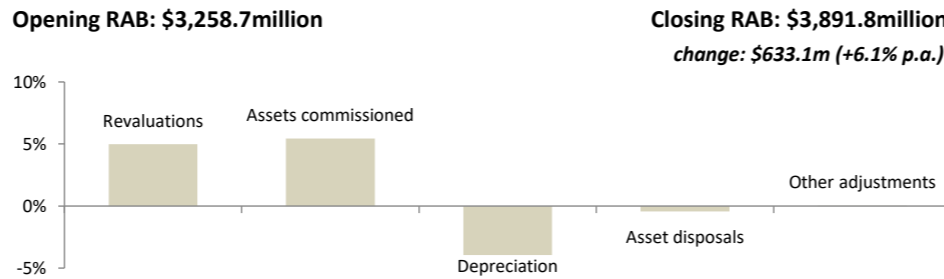
3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
9.4% Rank: 7	\$611 Rank: 15	2.68 Rank: 8

Capex by expenditure category	Average (2021-2023)	5 year trend	% of capex
Asset replacement & renewal	\$131.9m		36.4%
Consumer connection	\$119.2m		32.8%
System growth	\$43.5m		12.0%
Asset relocations	\$28.5m		7.8%
Non-network assets	\$25.2m		7.0%
Reliability, safety & environment	\$14.6m		4.0%
Total capital expenditure	\$362.9m		100.0%
Related party transactions	\$3.8m		1.0%

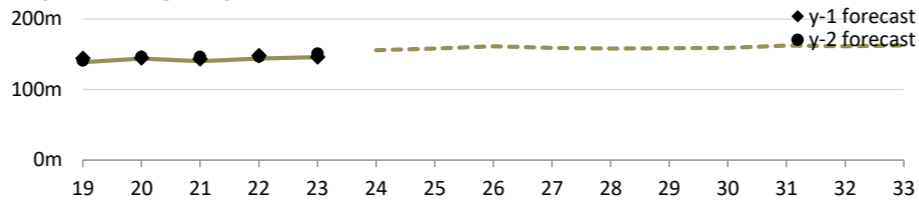
Line charge revenues

	Total	Standard consumer	Non-standard consumer
Line charge revenue	\$612.8m	\$595.4m	\$17.5m
		97.1%	2.9%

Annualised RAB changes (2021-2023)



Operating expenditure



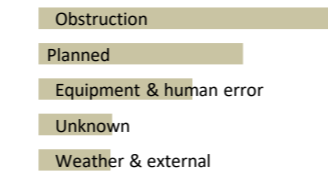
3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$2.94 Rank: 3	\$146 Rank: 27	\$81 Rank: 27

Opex by expenditure category	Average (2021-2023)	5 year trend	% of opex
System operations & network support	\$44.3m		30.9%
Business support	\$42.4m		29.6%
Routine & corrective maintenance	\$19.6m		13.7%
Service interruptions & emergencies	\$17.0m		11.9%
Asset replacement & renewal	\$12.8m		9.0%
Vegetation management	\$7.2m		5.0%
Total operating expenditure	\$143.4m		100.0%
Related party transactions	\$15.3m		10.6%

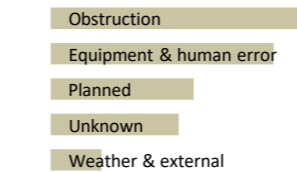
Reliability

	Unplanned	Planned	5 yr Trend
Interruptions	2,333	1,471	↓
SAIDI	410.6	74.1	↓
SAIFI	1.61	0.26	↓
CAIDI	255.0	285.0	↑

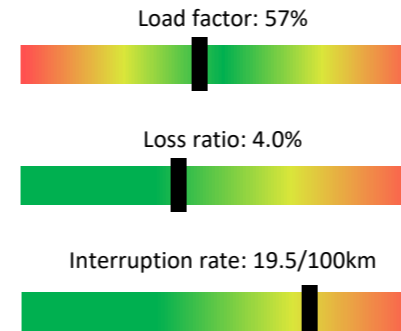
SAIDI causes 2021-2023



SAIFI causes 2021-2023



Network ratios



Company details

PQ Regulated?	Yes	Known Breaches
		Price: 2014-2015
		Quality: 2015-2020
CEO:	Simon Mackenzie	
Ownership:	Entrust 75.1% (formerly Auckland Energy Consumer Trust) Public 24.9%	
Head Office:	101 Carlton Gore Road; Auckland	
Phone number:	09 978 7788	
Website:	www.vector.co.nz	

Lines and cables

Estimated state of the assets**

	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	7,838km	10,634km	996km	125,708
RAB Value	\$600.9m	\$794.7m	\$466.3m	*
Grade 1 / 2	0.0% / 0.4%	0.4% / 3.7%	0.0% / 1.3%	0.0% / 0.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	41 years	28 years	35 years	29 years
Over generic age	567km (7.2%)	77km (0.7%)	69km (7.0%)	9,732 (7.7%)
Unknown age	1.1%	0.2%	0.0%	11.1%
5yr replacement req (est)	0.2%	2.3%	0.6%	0.1%
5yr planned replacement	0.7%	4.1%	3.6%	7.4%
Forecast repex (ave)	\$11.5m -79%	\$37.9m +235%	\$14.8m +87%	*
Repex series				*

* RAB and expenditure on poles is included within Distribution and LV lines
** Methodology and caveats for dial calculation are outlined in the Explanatory notes

Switchgear and transformers

Estimated state of the assets

	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	22,739	22,068	224	2,001
RAB Value	\$335.9m	\$359.3m	<----- \$388.3m ----->	
Grade 1 / 2	4.0% / 3.8%	2.0% / 1.8%	0.0% / 11.1%	0.0% / 8.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	23 years	20 years	33 years	24 years
Over generic age	2,923 (12.9%)	4,822 (21.9%)	98 (43.8%)	630 (31.5%)
Unknown age	0.0%	3.3%	0.0%	0.0%
5yr replacement req (est)	5.9%	2.9%	5.5%	4.1%
5yr planned replacement	8.0%	9.3%	7.1%	11.4%
Forecast repex (ave)	\$9.6m -10%	\$16.0m +1%	\$29.5m +17%	
Repex series				

