

Vector Lines

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

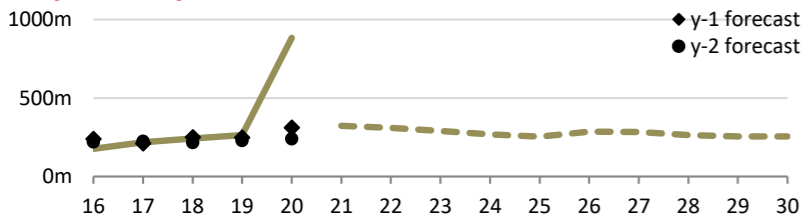
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$3,565m		+5.6%	1
Regulatory profit	\$173.3m		-4.1%	1
Return on investment	5.44%		-8.1%	20
Line charge revenue	\$622.5m		-1.3%	1
Other income	\$0.0m			26
Customer connections	573,860		+1.3%	1
Energy delivered	8,427 GWh		+0.5%	1
Peak demand	1,745 MW		+0.9%	1
Network capacity	5,125 MVA		+2.5%	1
Capital expenditure	\$883.5m		+59.3%	1
Operating expenditure	\$129.2m		+3.8%	1
Capital contributions	\$79.4m		+7.6%	1
Related party transactions	\$1,232.2m		+113.2%	1
Line length	18,950km		+0.9%	2
Outages - SAIDI	221 minutes		-3.7%	15
Outages - SAIFI	1.80 faults		-5.0%	19

Capital expenditure



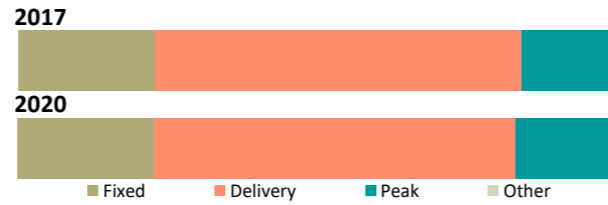
3 year ratios

Total capex / asset base	Total capex / connections	Total capex / depreciation
14.3% Rank: 2	\$820 Rank: 4	4.21 Rank: 3

Capex by expenditure category	Average (2018-2020)	5 year trend	% of capex
System growth	\$224.0m		48.3%
Asset replacement & renewal	\$105.7m		22.8%
Consumer connection	\$71.1m		15.3%
Asset relocations	\$24.2m		5.2%
Non-network assets	\$22.0m		4.7%
Reliability, safety & environment	\$16.7m		3.6%
Total capital expenditure	\$463.6m		100.0%
Related party transactions	\$199.5m		43.0%

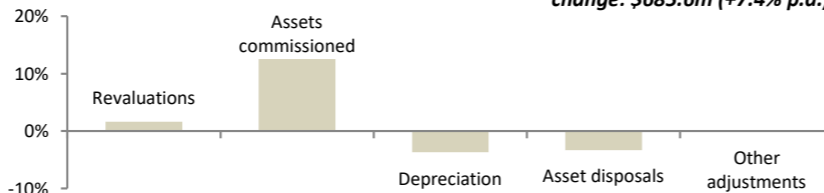
Line charge revenues

	Proportion of revenue	Charges per unit	Rank
Average daily charge	23.0%	68.3¢/ICP	14
Delivery (kWh)	60.9%	4.5¢/kWh	20
Peak based	16.2%	\$58/kW	12

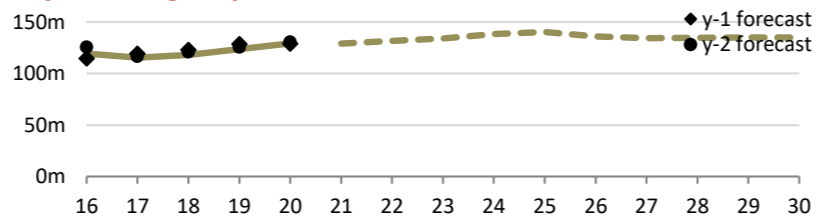


Annualised RAB changes (2018-2020)

Opening RAB: \$2,879.1million Closing RAB: \$3,564.8million
change: \$685.6m (+7.4% p.a.)



Operating expenditure



3 year ratios

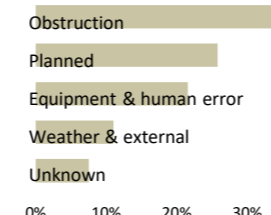
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$2.58 Rank: 3	\$133 Rank: 26	\$70 Rank: 27

Opex by expenditure category	Average (2018-2020)	5 year trend	% of opex
System operations & network support	\$38.1m		30.8%
Business support	\$37.3m		30.1%
Routine & corrective maintenance	\$15.0m		12.1%
Asset replacement & renewal	\$13.7m		11.0%
Service interruptions & emergencies	\$11.0m		8.9%
Vegetation management	\$8.7m		7.0%
Total operating expenditure	\$123.7m		100.0%
Related party transactions	\$12.3m		9.9%

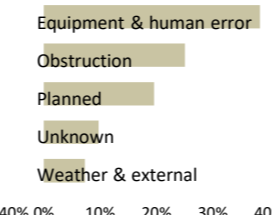
Reliability

	Unplanned	Planned	Trend
Interruptions	1,773	1,949	
SAIDI	119.7	101.6	
SAIFI	1.36	0.44	
CAIDI	88.0	230.9	

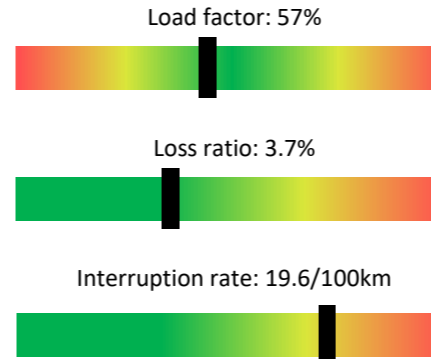
SAIDI causes



SAIFI causes



Network ratios



Lines and cables

Estimated state of the assets	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	7,900km	10,043km	1,004km	124,024
RAB Value	\$379.3m	\$807.9m	\$595.6m	*
Average grade	3.22	4.20	3.81	4.15
Grade 1 / 2	0.0% / 0.0%	0.5% / 2.4%	0.0% / 3.7%	0.0% / 0.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	38 years	27 years	34 years	29 years
Over generic age	265km (3.4%)	49km (0.5%)	47km (4.7%)	6,173 (5.0%)
Unknown age	1.4%	0.3%	0.0%	12.7%
5yr replacement req (est)	0.0%	1.7%	1.9%	0.1%
5yr planned replacement	0.9%	2.9%	4.7%	7.5%
Forecast repex (ave)	\$12.8m -70%	\$31.6m +351%	\$4.1m +55%	*
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	22,171	20,565	219	1,952
RAB Value	\$293.8m	\$244.3m	<----- \$295.8m ----->	
Average grade	3.77	3.69	3.66	4.01
Grade 1 / 2	3.8% / 1.3%	2.1% / 1.4%	0.0% / 6.4%	0.0% / 11.3%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	23 years	22 years	33 years	25 years
Over generic age	2,564 (11.6%)	4,653 (22.6%)	93 (42.5%)	634 (32.5%)
Unknown age	0.0%	1.2%	0.0%	0.0%
5yr replacement req (est)	4.4%	2.8%	3.2%	5.7%
5yr planned replacement	6.9%	7.3%	5.9%	14.8%
Forecast repex (ave)	\$5.5m -50%	\$18.6m +21%	\$24.3m +18%	
Repex series				

