

# Industry

drop-down to change company

Explanatory documentation: [Link](#)

Summary database: [Link](#)

Performance Accessibility Tool: [Link](#)

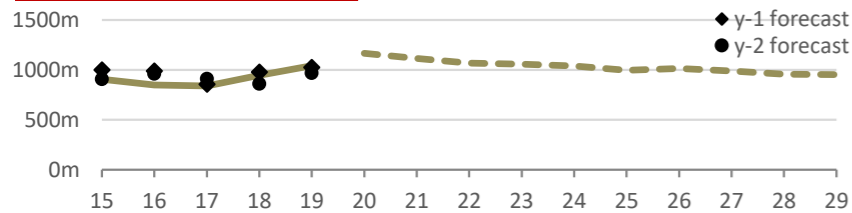
2019

## Summary statistics

	2019 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$11,952m		+2.7%	
Regulatory profit	\$708.7m		+3.0%	
Return on investment	6.45%			
Line charge revenue	\$2,634.7m		+0.5%	
Other income	\$20.8m		-2.9%	
Customer connections	2,135,309		+1.1%	
Energy delivered	32,341 GWh		+0.6%	
Peak demand	6,651 MW		+0.4%	
Network capacity	22,298 MVA		+1.9%	
Capital expenditure	\$1,041.9m		+7.1%	
Operating expenditure	\$647.4m		+3.4%	
Capital contributions	\$170.0m		+10.8%	
Related party transactions	\$364.8m		-3.1%	
Line length	154,853km		+0.6%	
Outages - SAIDI	229 minutes		+6.2%	
Outages - SAIFI	2.04 faults		+0.3%	

Rankings: Highest=1 - Lowest=29

## Capital expenditure



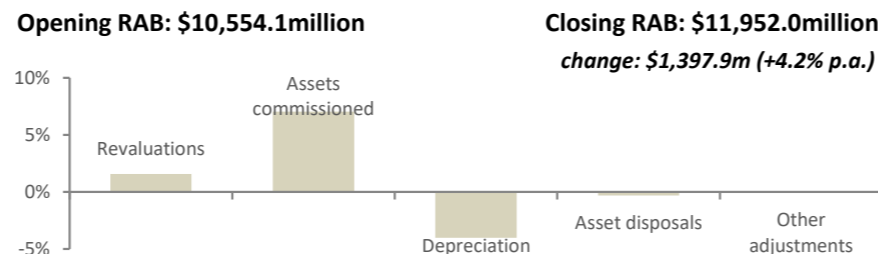
3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
8.1% Rank:	\$446 Rank:	2.13 Rank:

Capex by expenditure category	Average (2017-2019)	5 year trend	% of capex
Asset replacement & renewal	\$392.5m		41.6%
Consumer connection	\$225.6m		23.9%
System growth	\$138.8m		14.7%
Non-network assets	\$75.8m		8.0%
Reliability, safety & environment	\$62.8m		6.7%
Asset relocations	\$47.0m		5.0%
Total capital expenditure	\$942.5m		100.0%
Related party transactions	\$235.4m		25.0%

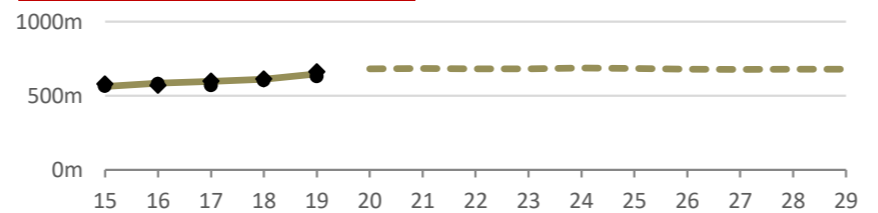
## Line charge revenues

	Proportion of revenue	Charges per unit	Rank
Average daily charge	20.0%	68.9¢/ICP	
Delivery (kWh)	59.7%	5.0¢/kWh	
Peak based	20.3%	\$82/kW	

## Annualised RAB changes (2017-2019)



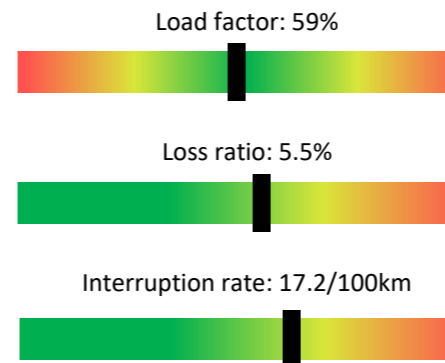
## Operating expenditure



3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$1.65 Rank:	\$172 Rank:	\$94 Rank:

Opex by expenditure category	Average (2017-2019)	5 year trend	% of opex
Business support	\$215.4m		34.8%
System operations & network support	\$148.7m		24.0%
Routine & corrective maintenance	\$90.4m		14.6%
Service interruptions & emergencies	\$68.9m		11.2%
Vegetation management	\$47.9m		7.8%
Asset replacement & renewal	\$47.0m		7.6%
Total operating expenditure	\$618.3m		100.0%
Related party transactions	\$163.9m		26.5%

## Network ratios



## Company details

### Lines and cables

Estimated state of the assets

	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	98,549km	44,096km	11,640km	1,360,973
RAB Value	\$2,446.2m	\$2,781.1m	\$1,318.7m	*
Average grade (H1-H5)	3.73	4.28	3.87	4.14
Grade 1 / 2	3.8% / 7.7%	0.2% / 3.5%	2.7% / 6.2%	1.4% / 3.1%
Unknown grade	2.9%	1.9%	2.4%	1.6%
Average age	38 years	26 years	36 years	33 years
Over generic age	8,931km (9.1%)	555km (1.3%)	1,294km (11.1%)	166,176 (12.2%)
Unknown age	0.9%	0.9%	1.6%	2.7%
5yr replacement req (est)	7.7%	2.0%	5.8%	3.0%
5yr planned replacement	4.8%	1.3%	4.9%	5.3%
Forecast repex (ave)	\$175.0m +3%	\$53.5m +69%	\$36.3m +32%	*
Repex series				*

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

### Switchgear and transformers

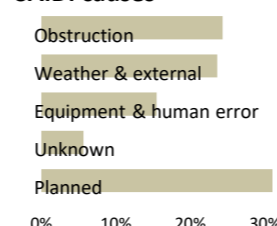
Estimated state of the assets

	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	189,189	216,786	1,280	12,202
RAB Value	\$1,518.2m	\$893.0m	<----- \$1,446.7m ----->	
Average grade (H1-H5)	4.06	3.96	3.87	3.83
Grade 1 / 2	1.6% / 3.8%	2.9% / 4.3%	2.8% / 7.4%	3.7% / 5.2%
Unknown grade	1.8%	3.6%	0.0%	0.1%
Average age	24 years	22 years	31 years	23 years
Over generic age	30,620 (16.2%)	55,048 (25.4%)	554 (43.3%)	3,538 (29.0%)
Unknown age	0.4%	3.3%	0.2%	1.0%
5yr replacement req (est)	3.5%	5.1%	6.5%	6.3%
5yr planned replacement	4.6%	7.6%	6.5%	11.7%
Forecast repex (ave)	\$36.7m -18%	\$54.9m +34%		\$72.6m +35%
Repex series				

## Reliability

	Unplanned	Planned	Trend
Interruptions	14,152	12,408	↑
SAIDI	136.7	92.5	↓
SAIFI	1.62	0.43	↔
CAIDI	84.6	217.0	↓

### SAIDI causes



### SAIFI causes

