

Wellington Electricity

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

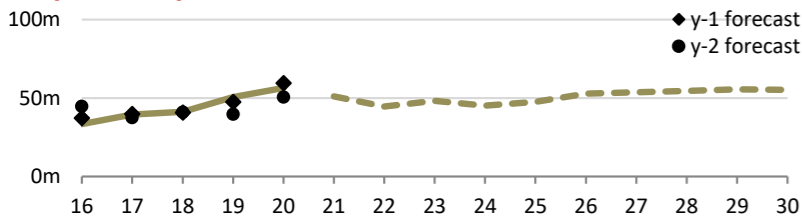
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$661m		+1.5%	4
Regulatory profit	\$46.8m		-0.4%	5
Return on investment	7.81%		-0.9%	10
Line charge revenue	\$169.5m		-2.1%	4
Other income	\$1.0m		+3.7%	6
Customer connections	169,045		+0.5%	4
Energy delivered	2,277 GWh		-0.7%	4
Peak demand	521 MW		-3.3%	4
Network capacity	1,436 MVA		+1.5%	4
Capital expenditure	\$56.4m		+12.7%	6
Operating expenditure	\$32.2m		+0.0%	6
Capital contributions	\$10.1m		+8.4%	4
Related party transactions	\$15.0m		+1.2%	11
Line length	4,765km		+0.5%	10
Outages - SAIDI	34 minutes		-36.4%	28
Outages - SAIFI	0.48 faults		-19.5%	28

Capital expenditure



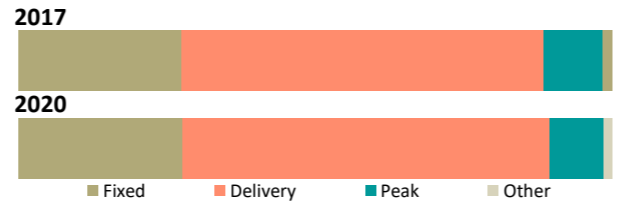
3 year ratios

Total capex / asset base	Total capex / connections	Total capex / depreciation
7.7% Rank: 14	\$294 Rank: 26	1.81 Rank: 19

Capex by expenditure category	Average (2018-2020)	5 year trend	% of capex
Asset replacement & renewal	\$23.4m		47.4%
Consumer connection	\$11.4m		23.0%
Reliability, safety & environment	\$9.6m		19.5%
Asset relocations	\$2.9m		5.9%
Non-network assets	\$1.3m		2.6%
System growth	\$0.8m		1.6%
Total capital expenditure	\$49.4m		100.0%
Related party transactions	\$2.7m		5.5%

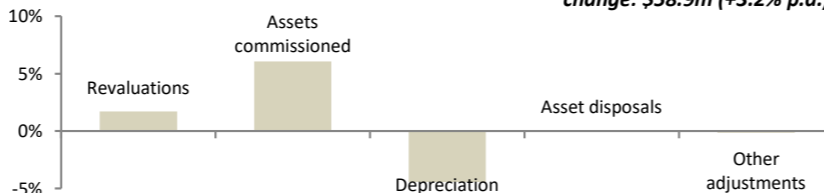
Line charge revenues

	Proportion of revenue	Charges per unit	Rank
Average daily charge	27.6%	75.9¢/ICP	12
Delivery (kWh)	61.9%	4.6¢/kWh	18
Peak based	9.1%	\$30/kW	16

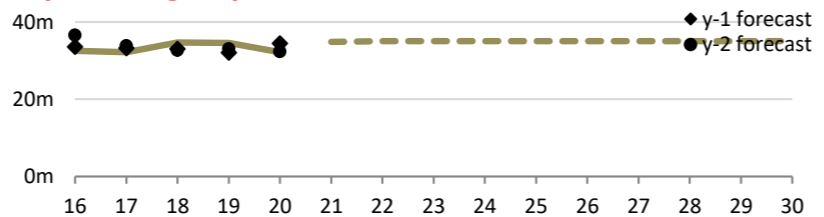


Annualised RAB changes (2018-2020)

Opening RAB: \$602.6million Closing RAB: \$661.5million
change: \$58.9m (+3.2% p.a.)



Operating expenditure



3 year ratios

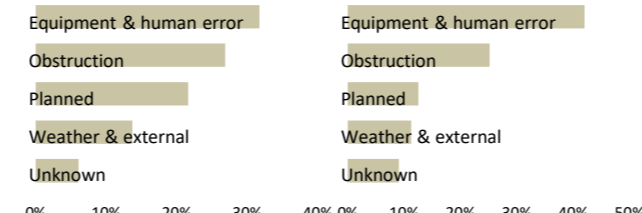
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$3.51 Rank: 1	\$102 Rank: 29	\$62 Rank: 29

Opex by expenditure category	Average (2018-2020)	5 year trend	% of opex
Business support	\$11.5m		33.9%
Routine & corrective maintenance	\$8.9m		26.5%
System operations & network support	\$5.7m		16.8%
Service interruptions & emergencies	\$5.0m		14.8%
Vegetation management	\$1.7m		5.1%
Asset replacement & renewal	\$1.0m		2.9%
Total operating expenditure	\$33.8m		100.0%
Related party transactions	\$11.8m		34.9%

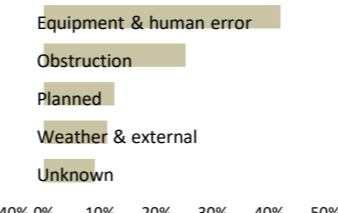
Reliability

	Unplanned	Planned	Trend
Interruptions	226	239	
SAIDI	27.1	6.5	
SAIFI	0.43	0.06	
CAIDI	63.8	117.1	

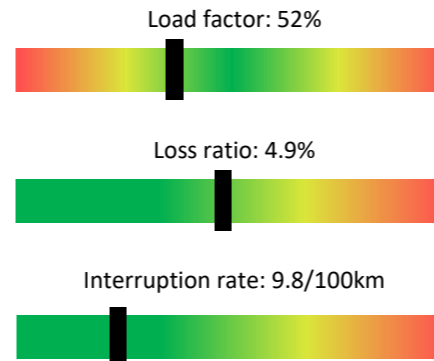
SAIDI causes



SAIFI causes



Network ratios



Company details

PQ Regulated?	Yes	Price breach: 2012
		Quality breach: 2013-2014, 2018
CEO:	Greg Skelton	
Ownership:	Cheung Kong Infrastructure and Power Assets Holdings	
Head Office:	85 The Esplanade; Petone, Lower Hutt	
Phone number:	04 915 6100	
Website:	www.welectricity.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	1,666km	2,904km	195km	39,458
RAB Value	\$166.8m	\$209.6m	\$50.5m	*
Average grade	2.95	3.26	3.16	3.86
Grade 1 / 2	0.1% / 15.2%	0.0% / 6.6%	0.6% / 15.4%	0.1% / 2.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	45 years	40 years	41 years	30 years
Over generic age	177km (10.6%)	105km (3.6%)	0km (0.2%)	5,461 (13.8%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	7.7%	3.3%	8.3%	1.2%
5yr planned replacement	1.2%	1.6%	2.3%	5.4%
Forecast repex (ave)	\$7.3m -25%	\$0.9m -67%	\$0.8m +46%	*
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	4,434	6,228	52	357
RAB Value	\$114.9m	\$32.1m	<----- \$60.6m ----->	
Average grade	3.64	3.32	2.75	3.31
Grade 1 / 2	0.4% / 1.4%	1.1% / 5.7%	3.8% / 19.2%	0.0% / 3.5%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	29 years	31 years	49 years	38 years
Over generic age	1,334 (30.1%)	2,615 (42.0%)	44 (84.6%)	232 (65.0%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	1.1%	3.9%	13.5%	1.8%
5yr planned replacement	5.4%	5.1%	3.9%	3.5%
Forecast repex (ave)	\$4.3m -13%	\$4.6m +49%		\$1.0m -55%
Repex series				