

Electricity Invercargill

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

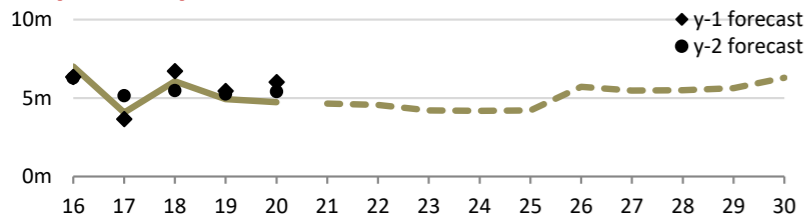
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$89m		+1.8%	25
Regulatory profit	\$6.1m		+1.7%	23
Return on investment	7.37%		+0.3%	14
Line charge revenue	\$20.8m		-0.5%	24
Other income	\$0.1m		+6.9%	24
Customer connections	17,411		+0.1%	22
Energy delivered	252 GWh		-0.2%	24
Peak demand	62 MW		+0.3%	23
Network capacity	152 MVA		+0.2%	25
Capital expenditure	\$4.7m		+5.1%	25
Operating expenditure	\$5.1m		-0.1%	25
Capital contributions	\$0.0m		-7.8%	24
Related party transactions	\$8.7m		+3.4%	15
Line length	658km		-0.3%	27
Outages - SAIDI	78 minutes		+63.4%	26
Outages - SAIFI	1.30 faults		+60.1%	22

Capital expenditure

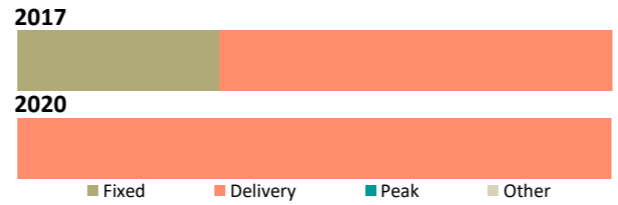


3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
6.0% Rank: 24	\$301 Rank: 25	1.70 Rank: 21

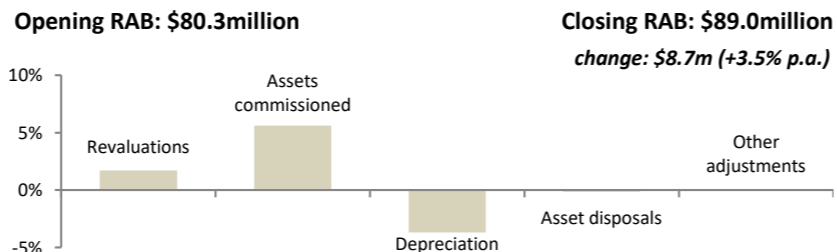
Capex by expenditure category	Average (2018–2020)	5 year trend	% of capex
Asset replacement & renewal	\$4.7m		88.9%
Consumer connection	\$0.4m		6.8%
Reliability, safety & environment	\$0.2m		3.7%
Asset relocations	\$0.0m		0.6%
Non-network assets	\$0.0m		0.0%
System growth	\$0.0m		0.0%
Total capital expenditure	\$5.2m		100.0%
Related party transactions	\$5.2m		98.8%

Line charge revenues

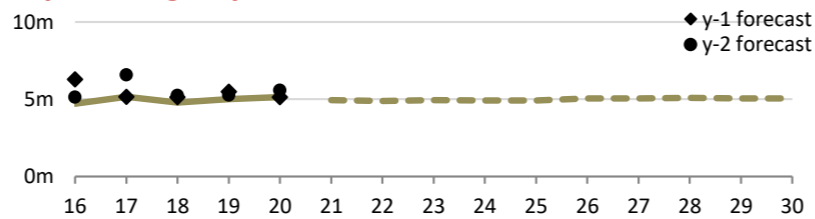
	Proportion of revenue	Charges per unit	Rank
Average daily charge	0.0%	N/A	26
Delivery (kWh)	100.0%	8.2c/kWh	5
Peak based	0.0%	N/A	21



Annualised RAB changes (2018–2020)



Operating expenditure



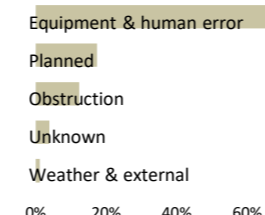
3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$2.57 Rank: 4	\$189 Rank: 18	\$81 Rank: 24

Opex by expenditure category	Average (2018–2020)	5 year trend	% of opex
Business support	\$2.3m		45.5%
Routine & corrective maintenance	\$1.1m		21.6%
System operations & network support	\$1.0m		20.6%
Service interruptions & emergencies	\$0.5m		10.3%
Asset replacement & renewal	\$0.1m		2.0%
Vegetation management	\$0.0m		0.1%
Total operating expenditure	\$5.0m		100.0%
Related party transactions	\$3.7m		75.3%

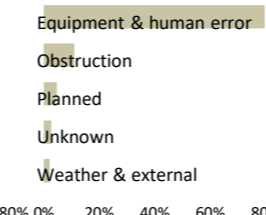
Reliability

	Unplanned	Planned	Trend
Interruptions	33	17	↑
SAIDI	65.4	13.1	↑
SAIFI	1.25	0.05	↑
CAIDI	52.3	262.0	↑

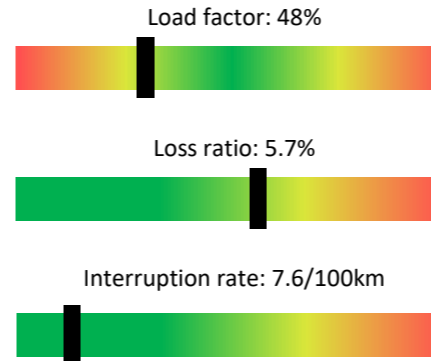
SAIDI causes



SAIFI causes



Network ratios



Company details

PQ Regulated?	Yes	Price breach:	No
		Quality breach:	2012
CEO:	Jason Franklin (Powernet)		
Ownership:	Invercargill City Council 100%		
Head Office:	251 Racecourse Road; Invercargill		
Phone number:	03 211 1899		
Website:	www.eil.co.nz		

Lines and cables

Estimated state of the assets	Distribution & LV			
	O/H lines	U/G cables	Subtransmission lines and cables	Poles
Quantity	53km	578km	28km	966
RAB Value	\$2.1m	\$43.3m	\$6.9m	*
Average grade	2.71	3.18	3.37	3.82
Grade 1 / 2	14.6% / 18.9%	1.4% / 12.2%	0.0% / 0.0%	0.0% / 2.4%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	33 years	31 years	33 years	34 years
Over generic age	1km (1.8%)	1km (0.3%)	0km (0.0%)	164 (16.9%)
Unknown age	0.5%	0.4%	0.2%	0.4%
5yr replacement req (est)	24.0%	7.5%	0.0%	1.2%
5yr planned replacement	13.9%	0.7%	0.0%	2.8%
Forecast repex (ave)	\$0.2m +160%	\$0.3m -18%	\$0.0m -100%	*
Repex series				*

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

Switchgear and transformers

Estimated state of the assets	Distribution			
	transformers	switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	425	556	6	70
RAB Value	\$10.4m	\$5.3m	<----- \$17.6m ----->	
Average grade	3.20	2.74	3.66	2.89
Grade 1 / 2	6.3% / 15.0%	19.7% / 32.2%	0.0% / 17.0%	19.3% / 11.4%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	24 years	22 years	28 years	28 years
Over generic age	56 (13.1%)	74 (13.3%)	2 (33.3%)	31 (43.6%)
Unknown age	0.0%	0.7%	0.0%	0.0%
5yr replacement req (est)	13.8%	35.8%	8.5%	25.0%
5yr planned replacement	5.2%	16.5%	0.0%	28.9%
Forecast repex (ave)	\$0.5m -68%	\$1.2m +842%		\$1.0m -54%
Repex series				