

Nelson Electricity

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

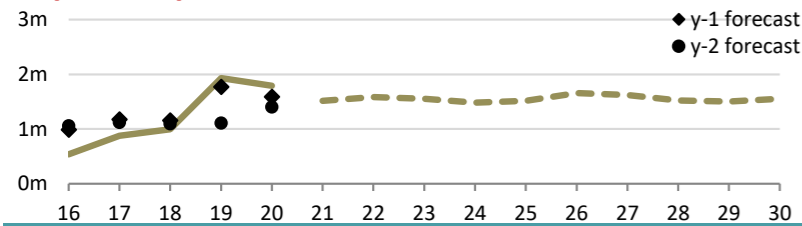
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$43m		+0.0%	28
Regulatory profit	\$3.4m		-1.6%	27
Return on investment	8.49%		-0.7%	8
Line charge revenue	\$9.6m		-4.3%	27
Other income	\$0.0m		+10.0%	25
Customer connections	9,248		+0.2%	26
Energy delivered	140 GWh		-0.0%	26
Peak demand	33 MW		+0.1%	26
Network capacity	100 MVA		+1.0%	27
Capital expenditure	\$1.8m		+26.9%	28
Operating expenditure	\$2.1m		-1.2%	29
Capital contributions	\$0.1m		+0.1%	19
Related party transactions	\$0.2m		-2.7%	26
Line length	298km		+0.3%	29
Outages - SAIDI	12 minutes		-30.8%	29
Outages - SAIFI	0.04 faults		-43.1%	29

Capital expenditure

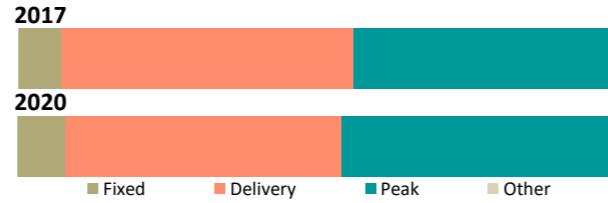


3 year ratios		
Total capex / asset base	3.7%	Rank: 28
Total capex / connections	\$170	Rank: 29
Total capex / depreciation	1.07	Rank: 27

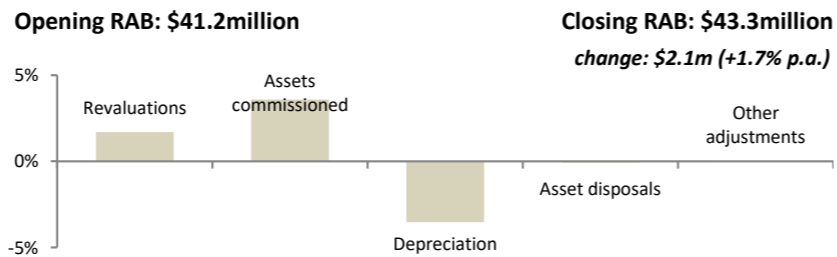
Capex by expenditure category	Average (2018-2020)	5 year trend	% of capex
Asset replacement & renewal	\$0.8m		53.9%
Reliability, safety & environment	\$0.3m		17.1%
Asset relocations	\$0.2m		13.2%
System growth	\$0.1m		9.5%
Non-network assets	\$0.1m		3.3%
Consumer connection	\$0.0m		3.0%
Total capital expenditure	\$1.6m		100.0%
Related party transactions	\$0.0m		0.0%

Line charge revenues

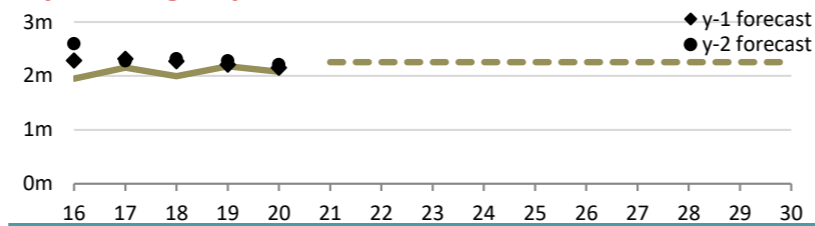
	Proportion of revenue	Charges per unit	Rank
Average daily charge	7.9%	22.5¢/ICP	22
Delivery (kWh)	46.6%	3.2¢/kWh	26
Peak based	45.5%	\$131/kW	6



Annualised RAB changes (2018-2020)



Operating expenditure



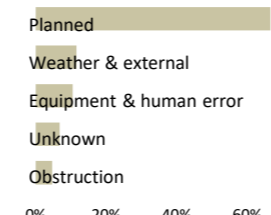
3 year ratios		
Network opex / metre of line	\$2.16	Rank: 8
Non-network opex / connections	\$156	Rank: 23
Total opex / kW	\$62	Rank: 28

Opex by expenditure category	Average (2018-2020)	5 year trend	% of opex
Business support	\$1.0m		46.0%
System operations & network support	\$0.5m		23.1%
Routine & corrective maintenance	\$0.4m		19.0%
Service interruptions & emergencies	\$0.1m		6.6%
Asset replacement & renewal	\$0.1m		3.8%
Vegetation management	\$0.0m		1.5%
Total operating expenditure	\$2.1m		100.0%
Related party transactions	\$0.2m		9.8%

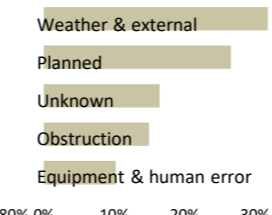
Reliability

	Unplanned	Planned	Trend
Interruptions	2	12	↓
SAIDI	0.6	11.5	↓
SAIFI	0.01	0.04	↓
CAIDI	100.3	307.6	↑

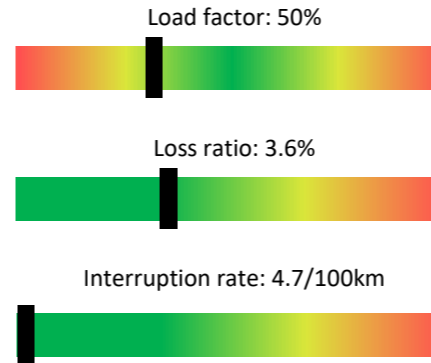
SAIDI causes



SAIFI causes



Network ratios



Company details

PQ Regulated?	Yes	Price breach: 2017
		Quality breach: No
General Manager:	Phil Goodall	
Ownership:	Network Tasman (50%) Marlborough Lines (50%)	
Head Office:	63 Haven Road; Nelson	
Phone number:	03 546 9256	
Website:	www.nel.co.nz	

Lines and cables

Estimated state of the assets	Distribution & LV			
	O/H lines	U/G cables	Subtransmission lines and cables	Poles
Quantity	28km	252km	18km	895
RAB Value	\$0.7m	\$15.3m	\$5.3m	*
Average grade	4.05	3.87	4.00	4.09
Grade 1 / 2	0.0% / 0.0%	0.0% / 0.0%	0.0% / 0.0%	0.0% / 0.0%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	46 years	33 years	23 years	39 years
Over generic age	1km (5.0%)	2km (0.8%)	0km (0.0%)	109 (12.1%)
Unknown age	1.4%	8.8%	0.0%	6.4%
5yr replacement req (est)	0.0%	0.0%	0.0%	0.0%
5yr planned replacement	0.0%	1.2%	0.0%	1.0%
Forecast repex (ave)	\$0.0m -90%	\$0.7m +195%	\$0.0m	*
Repex series				*

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

Switchgear and transformers

Estimated state of the assets	Distribution		Zone-substation	
	transformers	switchgear	transformers	switchgear
Quantity	201	362	3	36
RAB Value	\$5.3m	\$2.9m	<----- \$9.8m ----->	
Average grade	4.07	4.37	5.00	5.00
Grade 1 / 2	0.0% / 0.0%	0.0% / 0.0%	0.0% / 0.0%	0.0% / 0.0%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	19 years	20 years	6 years	7 years
Over generic age	8 (4.0%)	53 (14.6%)	0 (0.0%)	0 (0.0%)
Unknown age	0.0%	0.3%	0.0%	0.0%
5yr replacement req (est)	0.0%	0.0%	0.0%	0.0%
5yr planned replacement	1.4%	9.2%	0.0%	0.0%
Forecast repex (ave)	\$0.0m -100%	\$0.1m -69%	\$0.0m -100%	
Repex series				

