

MainPower NZ

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

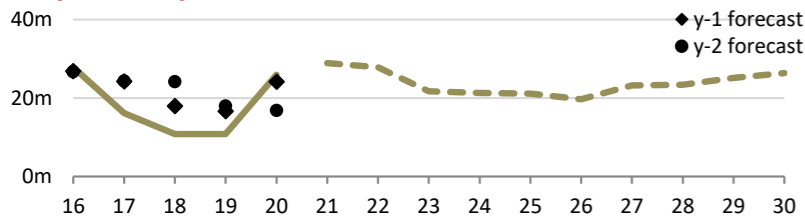
Performance Accessibility Tool: [Link](#)

2020

Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$257m		-1.2%	13
Regulatory profit	\$9.1m		-19.4%	18
Return on investment	3.72%		-18.3%	28
Line charge revenue	\$52.1m		-2.4%	13
Other income	\$0.2m		-45.5%	17
Customer connections	40,515		+2.7%	11
Energy delivered	632 GWh		+2.0%	11
Peak demand	115 MW		+1.0%	14
Network capacity	573 MVA		+2.0%	10
Capital expenditure	\$25.9m		+17.2%	12
Operating expenditure	\$18.6m		+2.4%	11
Capital contributions	\$3.7m		-8.2%	9
Related party transactions	\$0.0m		-100.0%	28
Line length	5,039km		+0.3%	9
Outages - SAIDI	343 minutes		-14.4%	4
Outages - SAIFI	2.26 faults		+16.8%	13

Capital expenditure

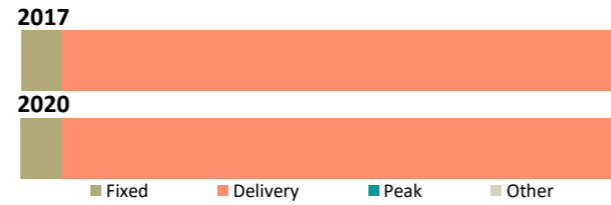


3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
6.2% Rank: 22	\$401 Rank: 17	1.21 Rank: 26

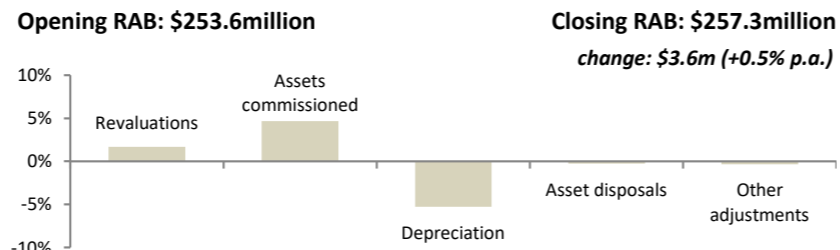
Capex by expenditure category	Average (2018–2020)	5 year trend	% of capex
Consumer connection	\$5.3m		33.3%
Asset replacement & renewal	\$5.1m		32.5%
Non-network assets	\$3.6m		22.6%
Reliability, safety & environment	\$1.3m		8.1%
System growth	\$0.5m		3.0%
Asset relocations	\$0.1m		0.4%
Total capital expenditure	\$15.8m		100.0%
Related party transactions	\$0.0m		0.1%

Line charge revenues

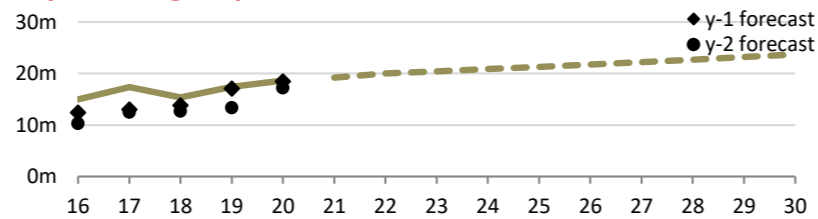
	Proportion of revenue	Charges per unit	Rank
Average daily charge	7.1%	24.9¢/ICP	21
Delivery (kWh)	92.9%	7.7¢/kWh	7
Peak based	0.0%	N/A	21



Annualised RAB changes (2018–2020)



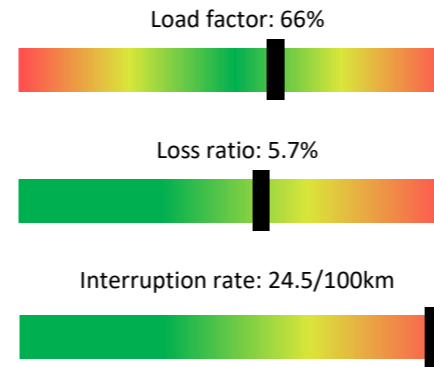
Operating expenditure



3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$0.88 Rank: 28	\$322 Rank: 7	\$149 Rank: 9

Opex by expenditure category	Average (2018–2020)	5 year trend	% of opex
Business support	\$6.7m		39.0%
System operations & network support	\$6.0m		35.2%
Routine & corrective maintenance	\$2.2m		12.9%
Service interruptions & emergencies	\$1.3m		7.5%
Vegetation management	\$0.5m		2.9%
Asset replacement & renewal	\$0.4m		2.5%
Total operating expenditure	\$17.1m		100.0%
Related party transactions	\$0.0m		0.1%

Network ratios



Company details

PQ Regulated?	No
CEO:	Andy Lester
Ownership:	MainPower Trust
Head Office:	172 Fernside Road; Rangiora
Phone number:	03 311 8300
Website:	www.mainpower.co.nz

Lines and cables

Estimated state of the assets	Distribution & LV			
	O/H lines	U/G cables	Subtransmission lines and cables	Poles
Quantity	3,760km	1,021km	377km	57,044
RAB Value	\$64.8m	\$52.0m	\$18.7m	*
Average grade	4.15	4.65	3.94	4.17
Grade 1 / 2	1.7% / 0.4%	1.9% / 0.4%	1.5% / 8.7%	7.0% / 4.2%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	33 years	20 years	29 years	30 years
Over generic age	116km (3.1%)	30km (2.9%)	6km (1.6%)	11,289 (19.8%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	1.9%	2.1%	5.8%	9.1%
5yr planned replacement	1.2%	0.3%	5.0%	5.9%
Forecast repex (ave)	\$4.6m +40%	\$0.9m +198%	\$0.0m -100%	*
Repex series				*

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

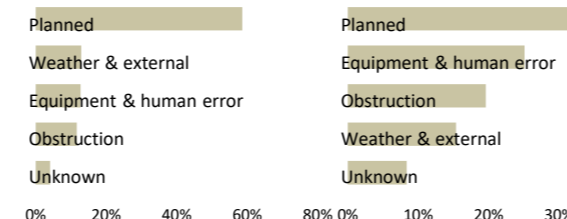
Switchgear and transformers

Estimated state of the assets	Distribution transformers			
	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	8,329	10,212	26	188
RAB Value	\$38.2m	\$12.5m	<----- \$25.8m ----->	
Average grade	3.84	3.45	3.69	3.58
Grade 1 / 2	0.4% / 6.1%	20.8% / 2.9%	0.0% / 15.4%	0.0% / 1.1%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	24 years	27 years	25 years	21 years
Over generic age	1,226 (14.7%)	3,282 (32.1%)	7 (26.9%)	41 (21.5%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	3.4%	22.3%	7.7%	0.5%
5yr planned replacement	2.2%	1.5%	6.0%	12.2%
Forecast repex (ave)	\$0.6m +6%	\$1.1m +30%	\$1.1m +1261%	
Repex series				

Reliability

	Unplanned	Planned	Trend
Interruptions	495	740	↑
SAIDI	117.6	225.5	↓
SAIFI	1.45	0.81	↑
CAIDI	81.1	278.4	↓

SAIDI causes



SAIFI causes

