# **OtagoNet**

Summary statistics	2022 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$240m		+4.4%	16
Regulatory profit	\$20.2m		+15.2%	14
Return on investment	10.02%		+12.9%	6
Line charge revenue	\$33.6m		-6.6%	19
Other income	\$0.0m	$\searrow$	-77.3%	24
Customer connections	18,567		+3.8%	22
Energy delivered	450 GWh		+0.9%	16
Peak demand	68 MW		-0.1%	21
Network capacity	239 MVA		-2.3%	22
Capital expenditure	\$19.6m		+2.4%	13
Operating expenditure	\$8.8m		-2.1%	23
Capital contributions	\$1.8m		+36.7%	16
Related party transactions	\$27.6m		+3.4%	6
Line length	4,638km		+0.2%	11
Outages - SAIDI	434 minutes		+10.5%	3
Outages - SAIFI	3.16 faults		+1.5%	7

### **Capital expenditure**



0m 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

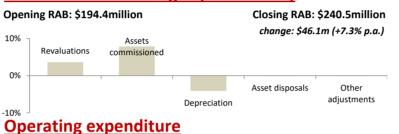
3 year ratio	os				
Total capex / Total		al capex /	Total capex /		
asset base conr		nections depreciation		eciation	
9.2%	Rank: 9	\$1,196 Rank: 2		2.52	Rank: 8
Capex by expenditure		Average	5 year	% of	
category			(2020–2022)	trend	capex
Asset replacement & renewal		\$7.9m		37.1%	
Consumer connection		\$7.7m		36.2%	
Non-netwo	ork assets		\$2.9m		13.4%
Reliability, safety & environment		\$1.9m	$\sim$	9.1%	
Asset reloc	ations		\$0.4m		2.1%
System gro	wth		\$0.4m	$\sim$	2.1%
Total capita	al expenditure		\$21.4m		100.0%
Related party transactions		\$18.2m		85.3%	

### Line charge revenues **Network ratios** Proportion of Charges Rank Load factor: 79% revenue per unit Average daily charge 24.0% 119.2¢/ICP 11 Delivery (kWh) 52.9% 4.0¢/kWh 22 8 Peak based 23.1% \$114/kW Loss ratio: 4.4% 2019

Explanatory documentation: Link



## Annualised RAB changes (2020–2022)



drop-down to change

2022

Fixed



0m 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

			vork opex / ections	Total opex / kW	
\$1.20	Rank: 26	\$200	Rank: 20	\$136	Rank: 13
Opex by ex category	penditure		Average (2020–2022)	5 year trend	% of opex
Business support		\$2.3m		- 25.2%	
Service interruptions & emergencies		\$2.1m		- 22.8%	
Routine & corrective maintenance		\$2.1m		- 22.6%	
System operations & network support		\$1.3m	$\sim$	13.8%	
Vegetation management		\$1.2m	$\sim$	12.8%	
Asset replacement & renewal		\$0.3m	$\sim$	- 2.9%	
Total operating expenditure		\$9.1m		100.0%	
Related party transactions		\$8.3m		90.4%	

SAIFI causes Obstruction

Planned

Inknown

Weather & external

Equipment & human error

### Reliability Unplanned Planned Interruptions 620

213.3

2.38

89.6

SAIDI

SAIFI

CAIDI

385		Planned
221.2	1	Obstruction
0.78	•	Equipment & human erro Unknown
284.6		0% 20% 40%

Trend

SAIDI causes

Weather & external

Summary database: Link	Performance Accessibility Tool: Link	drop-down to change

**Company details** 

Phone number:

Website:

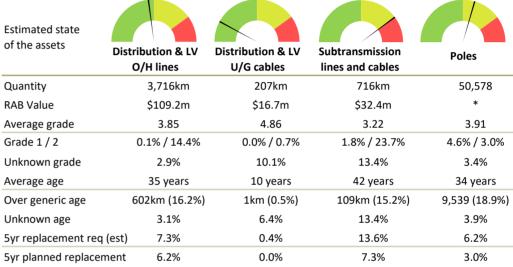
CEO:

### PQ Regulated? Yes **Known Breaches** Price: No Quality: No Jason Franklin (Powernet) Ownership: The Power Company 75.1% Electricity Invercargill 24.9% Head Office: 88 Charlotte Street; Balclutha

03 2111899

https://powernet.co.nz/about-us/networks-we-ma

## Lines and cables



Forecast repex (ave) \$4.6m -5% \$0.0m -1% Repex series • • • • • • • • • • • • • • • • . . . . . . . . . . . .

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

\$2.6m +8% **\_**......

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## Switchgear and transformers

Estimated state				
	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	4,441	5,262	44	384
RAB Value	\$25.0m	\$14.5m	<>	
Average grade	2.95	3.69	3.45	3.24
Grade 1 / 2	3.0% / 39.3%	17.0% / 7.0%	2.3% / 25.0%	10.9% / 22.4%
Unknown grade	0.1%	17.3%	0.0%	1.3%
Average age	34 years	34 years	32 years	28 years
Over generic age	1,652 (37.2%)	2,542 (48.3%)	17 (39.5%)	119 (31.1%)
Unknown age	0.0%	1.8%	0.0%	1.0%
5yr replacement req (est	:) 22.7%	20.5%	14.8%	22.1%
5yr planned replacement	t 2.5%	7.7%	9.1%	10.5%
Forecast repex (ave)	\$0.2m +60%	\$0.2m +56%	\$2.1m +419%	
<sub>%</sub> Repex series	~····			· * * * • • • • *

# 2022