

# Alpine Energy

drop-down to change

Explanatory documentation: [Link](#)

Summary database: [Link](#)

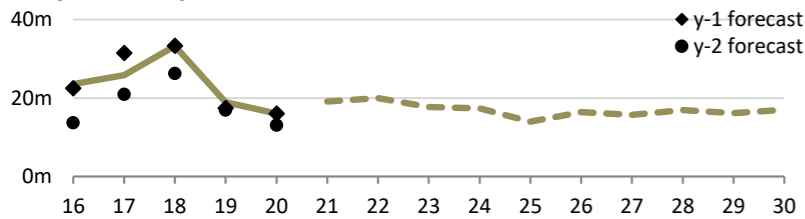
Performance Accessibility Tool: [Link](#)

2020

## Summary statistics

	2020 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$206m		+3.0%	17
Regulatory profit	\$23.0m		+19.5%	8
Return on investment	12.08%		+16.4%	1
Line charge revenue	\$78.4m		+11.1%	8
Other income	\$0.0m		-100.0%	26
Customer connections	33,446		+0.6%	14
Energy delivered	808 GWh		+1.9%	9
Peak demand	140 MW		+1.4%	12
Network capacity	604 MVA		+3.0%	9
Capital expenditure	\$16.1m		-14.7%	17
Operating expenditure	\$21.3m		+11.0%	9
Capital contributions	\$2.8m		-4.7%	12
Related party transactions	\$17.0m		-1.0%	10
Line length	4,323km		+1.0%	12
Outages - SAIDI	154 minutes		-3.1%	19
Outages - SAIFI	0.93 faults		-10.6%	25

## Capital expenditure

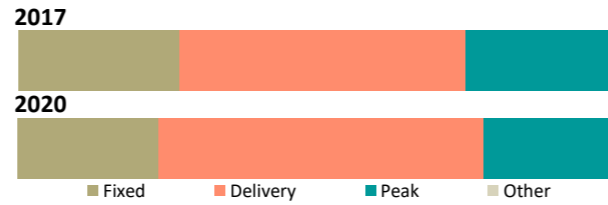


3 year ratios		
Total capex / asset base	Total capex / connections	Total capex / depreciation
11.1% Rank: 4	\$685 Rank: 9	1.79 Rank: 20

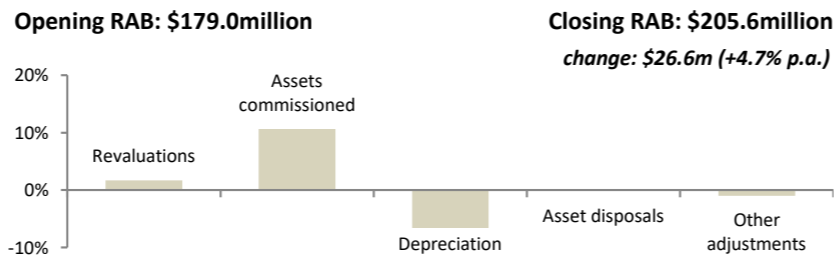
Capex by expenditure category	Average (2018-2020)	5 year trend	% of capex
Asset replacement & renewal	\$7.5m		33.1%
Non-network assets	\$4.9m		21.4%
Consumer connection	\$4.3m		19.0%
System growth	\$3.1m		13.5%
Asset relocations	\$1.9m		8.3%
Reliability, safety & environment	\$1.1m		4.7%
Total capital expenditure	\$22.7m		100.0%
Related party transactions	\$11.8m		51.8%

## Line charge revenues

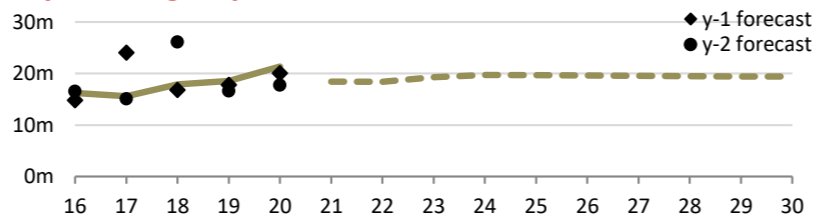
	Proportion of revenue	Charges per unit	Rank
Average daily charge	23.7%	152.2¢/ICP	3
Delivery (kWh)	54.7%	5.3¢/kWh	13
Peak based	21.6%	\$121/kW	7



## Annualised RAB changes (2018-2020)



## Operating expenditure



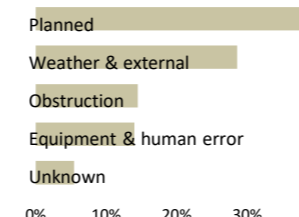
3 year ratios		
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$1.44 Rank: 17	\$393 Rank: 3	\$136 Rank: 12

Opex by expenditure category	Average (2018-2020)	5 year trend	% of opex
Business support	\$7.0m		36.5%
System operations & network support	\$6.0m		31.3%
Routine & corrective maintenance	\$2.9m		14.8%
Service interruptions & emergencies	\$2.3m		11.7%
Vegetation management	\$0.7m		3.6%
Asset replacement & renewal	\$0.4m		2.2%
Total operating expenditure	\$19.3m		100.0%
Related party transactions	\$5.6m		29.3%

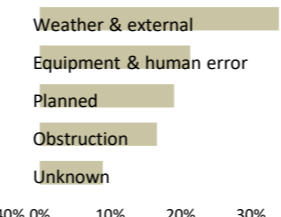
## Reliability

	Unplanned	Planned	Trend
Interruptions	268	303	↑
SAIDI	98.9	55.3	↓
SAIFI	0.74	0.19	↓
CAIDI	133.3	295.5	↑

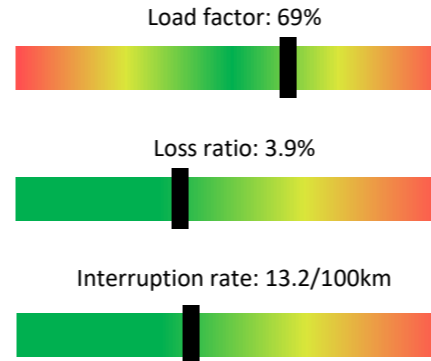
### SAIDI causes



### SAIFI causes



## Network ratios



## Company details

PQ Regulated?	Yes	Price breach:	No
		Quality breach:	2016
CEO:	Andrew Tombs		
Ownership:	Timaru District Holdings 47.5%		
	LineTrust South Canterbury 40%		
	Waimate 7.5%; Mackenzie 5.0%		
Head Office:	24 Elginshire Street; Washdyke; Timaru 7910		
Phone number:	03 687 4300		
Website:	<a href="http://www.alpineenergy.co.nz">www.alpineenergy.co.nz</a>		

## Lines and cables

Estimated state of the assets	Distribution & LV			
	O/H lines	U/G cables	Subtransmission lines and cables	Poles
Quantity	3,265km	777km	280km	45,644
RAB Value	\$37.1m	\$49.3m	\$18.1m	*
Average grade	3.40	4.38	4.12	3.63
Grade 1 / 2	0.1% / 29.8%	0.1% / 1.1%	0.0% / 1.9%	7.5% / 5.8%
Unknown grade	0.0%	0.0%	0.0%	3.4%
Average age	43 years	24 years	25 years	35 years
Over generic age	925km (28.3%)	3km (0.4%)	1km (0.2%)	10,014 (21.9%)
Unknown age	0.3%	0.3%	0.0%	3.0%
5yr replacement req (est)	15.0%	0.7%	1.0%	10.4%
5yr planned replacement	1.0%	0.6%	0.0%	2.7%
Forecast repex (ave)	\$5.6m +37%	\$0.9m +111%	\$0.1m -67%	*
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	6,066	7,352	26	333
RAB Value	\$17.2m	\$14.1m	<----- \$50.1m ----->	
Average grade	3.38	3.75	4.24	4.19
Grade 1 / 2	1.3% / 28.0%	17.7% / 6.9%	0.0% / 3.4%	9.6% / 5.1%
Unknown grade	0.0%	0.0%	0.0%	0.0%
Average age	28 years	20 years	20 years	18 years
Over generic age	1,557 (25.7%)	1,698 (23.1%)	5 (19.2%)	58 (17.4%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	15.3%	21.1%	1.7%	12.2%
5yr planned replacement	1.3%	5.9%	7.4%	4.8%
Forecast repex (ave)	\$1.7m +117%	\$0.0m -94%		\$2.0m +77%
Repex series				

