

# The Lines Company

[Excel workbook](#)

Explanatory documentation: [Link](#)

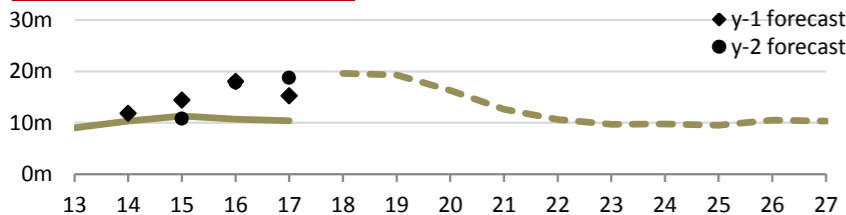
Summary database: [Link](#)

2017

## Summary statistics

	2017 value	5 year trend	3 year CAGR	Rank
Regulatory asset base	\$184m		+0.7%	15
Regulatory profit	\$12.8m		+7.4%	18
Return on investment	7.49%			17
Line charge revenue	\$41.1m		+2.7%	16
Other income	\$0.0m			27
Customer connections	23,691		+0.1%	20
Energy delivered	381 GWh		+6.5%	18
Peak demand	81 MW		+8.1%	17
Network capacity	252 MVA		+0.6%	21
Capital expenditure	\$10.4m		+0.3%	17
Operating expenditure	\$11.8m		+2.5%	15
Capital contributions	\$0.0m		-100.0%	25
Related party transactions	\$10.3m		+13.0%	14
Line length	4,347km		+0.7%	12
Outages - SAIDI	329 minutes		+6.8%	23
Outages - SAIFI	4.12 faults		-0.1%	26

## Capital expenditure



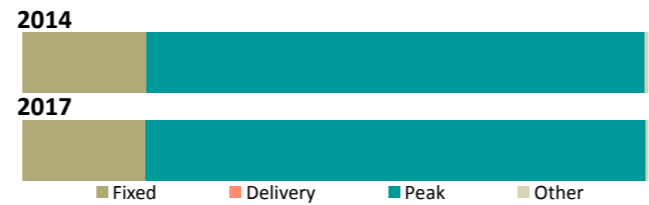
### 3 year ratios

Total capex / asset base	Total capex / connections	Total capex / depreciation
5.9% Rank: 8	\$457 Rank: 20	1.20 Rank: 5

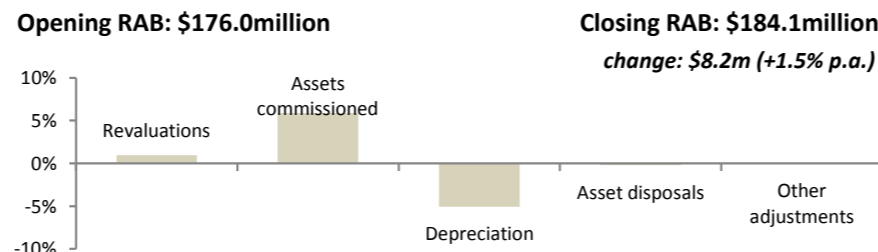
Capex by expenditure category	Average (2015-2017)	5 year trend	% of capex
Asset replacement & renewal	\$7.7m		71.7%
Reliability, safety & environment	\$1.2m		11.4%
Consumer connection	\$0.9m		8.6%
Non-network assets	\$0.6m		5.9%
System growth	\$0.3m		2.4%
Asset relocations	\$0.0m		0.0%
Total capital expenditure	\$10.8m		100.0%
Related party transactions	\$8.4m		78.1%

## Line charge revenues

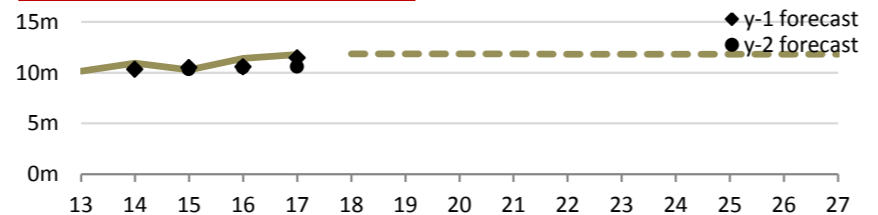
	Proportion of revenue	Charges per unit	Rank
Average daily charge	19.6%	93.3¢/ICP	21
Delivery (kWh)	0.0%	N/A	1
Peak based	80.0%	\$407/kW	29



## Annualised RAB changes (2015-2017)



## Operating expenditure



### 3 year ratios

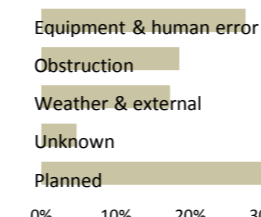
Network opex / metre of line	Non-network opex / connections	Total opex / kW
\$0.76 Rank: 1	\$332 Rank: 27	\$155 Rank: 24

Opex by expenditure category	Average (2015-2017)	5 year trend	% of opex
Business support	\$5.6m		50.2%
System operations & network support	\$2.3m		20.2%
Service interruptions & emergencies	\$1.2m		11.2%
Routine & corrective maintenance	\$1.0m		8.7%
Vegetation management	\$0.9m		7.9%
Asset replacement & renewal	\$0.2m		1.9%
Total operating expenditure	\$11.2m		100.0%
Related party transactions	\$1.8m		15.8%

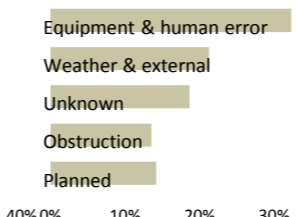
## Reliability

	Unplanned	Planned	Trend
Interruptions	659	276	↓
SAIDI	199.0	130.2	↑
SAIFI	3.26	0.86	↑
CAIDI	61.1	151.0	↓

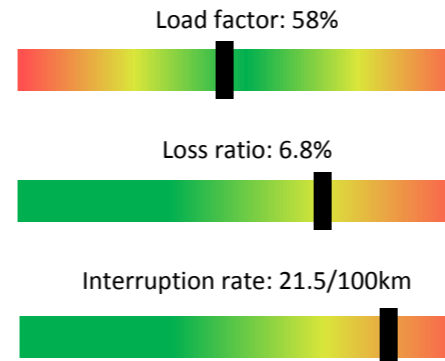
### SAIDI causes



### SAIFI causes



## Network ratios



## Company details

PQ Regulated?	Yes	Price breach: No
		Quality breach: No
CEO:	Sean Horgan	
Ownership:	Waitomo Energy Services Customer Trust	
Head Office:	King Street East; Te Kuiti	
Phone number:	07 878 0600	
Website:	<a href="http://www.thelinescompany.co.nz">www.thelinescompany.co.nz</a>	

## Lines and cables

	Distribution & LV O/H lines	Distribution & LV U/G cables	Subtransmission lines and cables	Poles
Quantity	3,535km	307km	505km	34,360
RAB Value	\$70.1m	\$18.6m	\$12.4m	*
Average grade	2.83	3.25	2.71	3.10
Grade 1 / 2	0.2% / 13.3%	0.1% / 1.2%	0.0% / 25.6%	1.1% / 1.3%
Unknown grade	22.5%	89.7%	11.9%	25.0%
Average age	43 years	29 years	46 years	36 years
Over generic age	596km (16.9%)	10km (3.4%)	119km (23.5%)	7,621 (22.2%)
Unknown age	0.7%	15.8%	2.0%	0.0%
5yr replacement req (est)	6.9%	0.8%	12.8%	1.7%
5yr planned replacement	1.6%	2.1%	6.2%	6.7%
Forecast repex (ave)	\$5.0m -4%	\$0.3m +43%	\$1.5m +598%	*
Repex series				*

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

## Switchgear and transformers

	Distribution transformers	Distribution switchgear	Zone-substation transformers	Zone-substation switchgear
Quantity	5,471	8,096	38	409
RAB Value	\$30.4m	\$15.9m	<----- \$18.3m ----->	
Average grade	3.15	3.15	3.03	3.01
Grade 1 / 2	0.2% / 1.0%	0.0% / 7.7%	0.0% / 5.6%	5.3% / 7.6%
Unknown grade	11.1%	5.2%	0.0%	0.0%
Average age	22 years	25 years	30 years	24 years
Over generic age	359 (6.6%)	2,816 (34.8%)	15 (40.5%)	140 (34.2%)
Unknown age	0.0%	0.0%	0.0%	0.0%
5yr replacement req (est)	0.7%	3.8%	2.8%	9.1%
5yr planned replacement	1.4%	0.9%	8.3%	4.6%
Forecast repex (ave)	\$0.4m -50%	\$0.1m -73%		\$0.5m -9%
Repex series				

