

# WEL Networks

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      | \$600m      |              | +2.5%       | 6    |
| Regulatory profit          | \$47.5m     |              | +8.3%       | 4    |
| Return on investment       | 8.86%       |              | +6.2%       | 5    |
| Line charge revenue        | \$118.6m    |              | +2.3%       | 6    |
| Other income               | \$3.9m      |              | -11.7%      | 2    |
| Customer connections       | 93,502      |              | +1.6%       | 6    |
| Energy delivered           | 1,284 GWh   |              | +1.8%       | 7    |
| Peak demand                | 271 MW      |              | -0.2%       | 7    |
| Network capacity           | 972 MVA     |              | +1.9%       | 6    |
| Capital expenditure        | \$47.2m     |              | +13.1%      | 8    |
| Operating expenditure      | \$25.4m     |              | -2.4%       | 8    |
| Capital contributions      | \$11.6m     |              | +17.3%      | 3    |
| Related party transactions | \$25.8m     |              | +16.4%      | 6    |
| Line length                | 5,515km     |              | +0.9%       | 8    |
| Outages - SAIDI            | 123 minutes |              | +6.3%       | 22   |
| Outages - SAIFI            | 1.64 faults |              | +3.6%       | 21   |

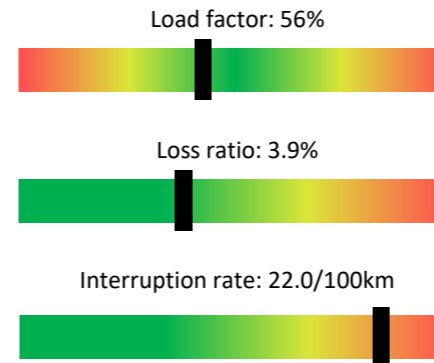
## Line charge revenues

|                      | Proportion of revenue | Charges per unit | Rank |
|----------------------|-----------------------|------------------|------|
| Average daily charge | 21.2%                 | 73.6¢/ICP        | 13   |
| Delivery (kWh)       | 57.9%                 | 5.3¢/kWh         | 12   |
| Peak based           | 21.0%                 | \$92/kW          | 9    |

| Year | Fixed | Delivery | Peak | Other |
|------|-------|----------|------|-------|
| 2017 |       |          |      |       |
| 2020 |       |          |      |       |

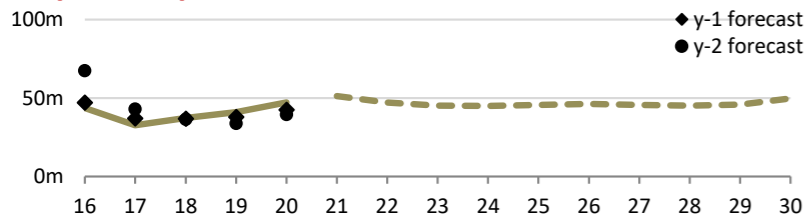
## Network ratios



## Company details

|               |  |
|---------------|--|
| PQ Regulated? | No   |
| CEO:          | Garth Dibley                                     |
| Ownership:    | WEL Energy Trust                                 |
| Head Office:  | 114 Maui Street; Hamilton                        |
| Phone number: | 07 850 3100                                      |
| Website:      | <a href="http://www.wel.co.nz">www.wel.co.nz</a> |

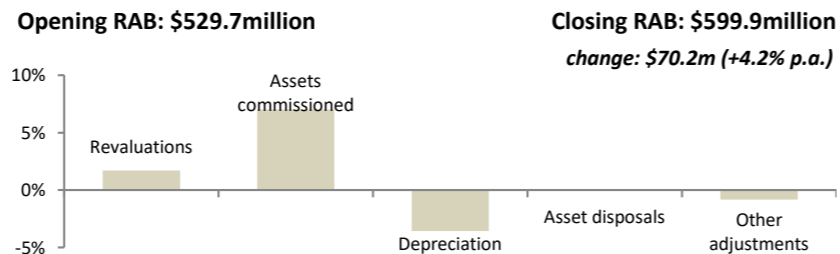
## Capital expenditure



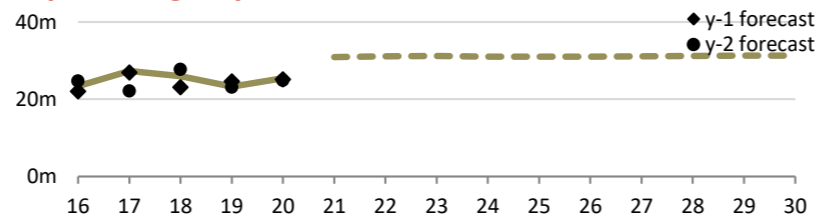
| 3 year ratios            |                           |                            |
|--------------------------|---------------------------|----------------------------|
| Total capex / asset base | Total capex / connections | Total capex / depreciation |
| 7.1% Rank: 18            | \$454 Rank: 14            | 2.11 Rank: 11              |

| Capex by expenditure category     | Average (2018-2020) | 5 year trend | % of capex |
|-----------------------------------|---------------------|--------------|------------|
| Consumer connection               | \$17.1m             |              | 41.0%      |
| Asset replacement & renewal       | \$14.9m             |              | 35.7%      |
| Asset relocations                 | \$4.6m              |              | 11.0%      |
| Reliability, safety & environment | \$2.3m              |              | 5.4%       |
| Non-network assets                | \$1.8m              |              | 4.3%       |
| System growth                     | \$1.1m              |              | 2.6%       |
| Total capital expenditure         | \$41.8m             |              | 100.0%     |
| Related party transactions        | \$15.6m             |              | 37.4%      |

## Annualised RAB changes (2018-2020)



## Operating expenditure



| 3 year ratios                |                                |                 |
|------------------------------|--------------------------------|-----------------|
| Network opex / metre of line | Non-network opex / connections | Total opex / kW |
| \$1.41 Rank: 18              | \$187 Rank: 19                 | \$91 Rank: 23   |

| Opex by expenditure category        | Average (2018-2020) | 5 year trend | % of opex |
|-------------------------------------|---------------------|--------------|-----------|
| Business support                    | \$9.0m              |              | 36.2%     |
| System operations & network support | \$8.2m              |              | 33.0%     |
| Service interruptions & emergencies | \$2.7m              |              | 11.0%     |
| Asset replacement & renewal         | \$1.9m              |              | 7.6%      |
| Routine & corrective maintenance    | \$1.7m              |              | 6.8%      |
| Vegetation management               | \$1.3m              |              | 5.4%      |
| Total operating expenditure         | \$24.9m             |              | 100.0%    |
| Related party transactions          | \$8.8m              |              | 35.3%     |

## Lines and cables

| Estimated state of the assets | Distribution & LV O/H lines | Distribution & LV U/G cables | Subtransmission lines and cables | Poles       |
|-------------------------------|-----------------------------|------------------------------|----------------------------------|-------------|
| Quantity                      | 2,946km                     | 2,129km                      | 440km                            | 39,239      |
| RAB Value                     | \$117.7m                    | \$172.3m                     | \$80.7m                          | *           |
| Average grade                 | 4.77                        | 4.66                         | 4.71                             | 4.91        |
| Grade 1 / 2                   | 0.0% / 0.0%                 | 0.0% / 0.0%                  | 0.0% / 0.0%                      | 0.0% / 0.2% |
| Unknown grade                 | 0.0%                        | 0.0%                         | 0.0%                             | 0.0%        |
| Average age                   | 36 years                    | 23 years                     | 22 years                         | 34 years    |
| Over generic age              | 6km (0.2%)                  | 75km (3.5%)                  | 6km (1.4%)                       | 387 (1.0%)  |
| Unknown age                   | 0.0%                        | 0.0%                         | 0.0%                             | 0.0%        |
| 5yr replacement req (est)     | 0.0%                        | 0.0%                         | 0.0%                             | 0.1%        |
| 5yr planned replacement       | 3.5%                        | 0.1%                         | 2.3%                             | 4.6%        |
| Forecast repex (ave)          | \$8.7m -23%                 | \$1.2m +251%                 | \$0.6m +12013%                   | *           |
| Repex series                  |                             |                              |                                  | *           |

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

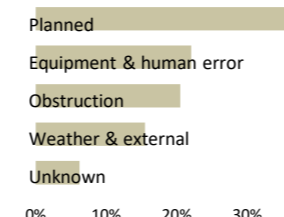
## Switchgear and transformers

| Estimated state of the assets | Distribution transformers | Distribution switchgear | Zone-substation transformers | Zone-substation switchgear |
|-------------------------------|---------------------------|-------------------------|------------------------------|----------------------------|
| Quantity                      | 6,257                     | 8,017                   | 50                           | 200                        |
| RAB Value                     | \$63.3m                   | \$38.4m                 | <----- \$82.5m ----->        |                            |
| Average grade                 | 4.77                      | 4.91                    | 4.90                         | 4.35                       |
| Grade 1 / 2                   | 0.0% / 0.4%               | 0.0% / 0.4%             | 0.0% / 0.0%                  | 0.0% / 0.0%                |
| Unknown grade                 | 0.0%                      | 0.0%                    | 0.0%                         | 0.0%                       |
| Average age                   | 18 years                  | 19 years                | 25 years                     | 22 years                   |
| Over generic age              | 414 (6.6%)                | 1,717 (21.4%)           | 16 (32.0%)                   | 45 (22.5%)                 |
| Unknown age                   | 0.0%                      | 0.0%                    | 0.0%                         | 0.0%                       |
| 5yr replacement req (est)     | 0.2%                      | 0.2%                    | 0.0%                         | 0.0%                       |
| 5yr planned replacement       | 3.0%                      | 3.8%                    | 0.0%                         | 0.0%                       |
| Forecast repex (ave)          | \$1.2m +135%              | \$2.4m +81%             | \$0.8m -17%                  |                            |
| Repex series                  |                           |                         |                              |                            |

## Reliability

|               | Unplanned | Planned | Trend |
|---------------|-----------|---------|-------|
| Interruptions | 708       | 508     | ↑     |
| SAIDI         | 80.1      | 42.5    | ↑     |
| SAIFI         | 1.34      | 0.30    | ↑     |
| CAIDI         | 59.8      | 141.6   | ↓     |

### SAIDI causes



### SAIFI causes

