



# **MONTHLY OPERATING REPORT**



FEBRUARY 2020



## FEBRUARY HIGHLIGHTS

In the month to 10 March 2020, national hydro storage decreased from 126% to 111% of historical average

South Island storage sat at 113% of average and North Island storage at 97% of average on 10 March 2020

Meridian's February 2020 monthly total inflows were 165% of historical average

Meridian's Waitaki catchment storage at the end of February 2020 was 116% of historical average

Storage in Meridian's Waiau catchment was above average at the end of February

National electricity demand in February 2020 was 2.7% higher than the same month last year

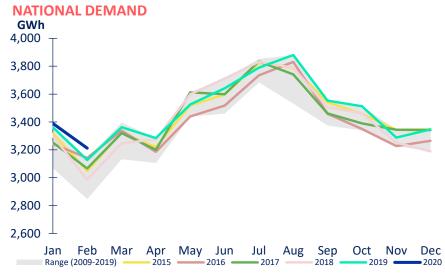
Meridian made calls under the Genesis Swaption in February and early March 2020 February 2020 was warm and dry across much of the country, contrasted by high rainfall and flooding in the lower South Island

New Zealand Aluminium Smelter's load during February 2020 was below the contract level of 622MW

Meridian's New Zealand retail sales volumes in February 2020 were 20.9% higher than February 2019

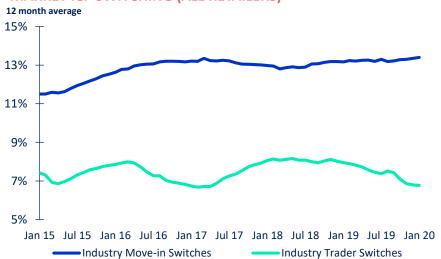
### **MARKET DATA**

- National electricity demand in February 2020 was 2.7% higher than the same month last year
- February 2020 was warm and dry across much of the country, contrasted by high rainfall and flooding in the lower South Island
- Demand in the last 12 months was 1.1% higher than the preceding 12 months
- New Zealand Aluminium Smelter's load during February 2020 was below the contract level of 622MW
- 12-month average switching rate of customers changing retailers but not moving ("trader" switch) was 6.8% at the end of January 2020
- 12-month average switching rate of customers moving and changing retailers ("move-in" switch) was 13.4% at the end of January 2020



Source: Electricity Authority

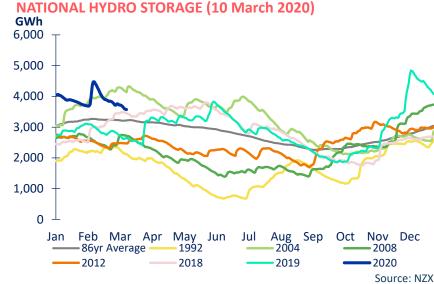
#### MARKET ICP SWITCHING (ALL RETAILERS)



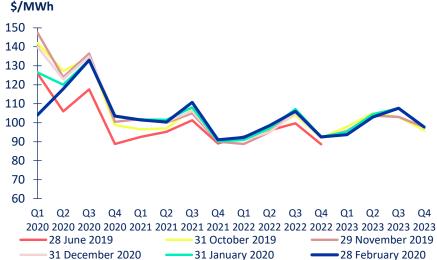
Source: Electricity Authority

### **MARKET DATA**

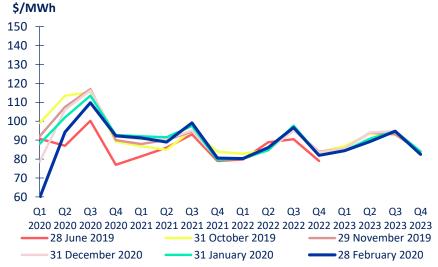
- February 2020 saw changes in near-term **ASX** prices
- National storage decreased from 126% of average on 13 February 2020 to 111% of average on 10 March 2020
- South Island storage decreased to 113% of historical average on 10 March 2020. North Island storage decreased to 97% of average



### **OTAHUHU ASX FUTURES SETTLEMENT PRICE**



#### BENMORE ASX FUTURES SETTLEMENT PRICE



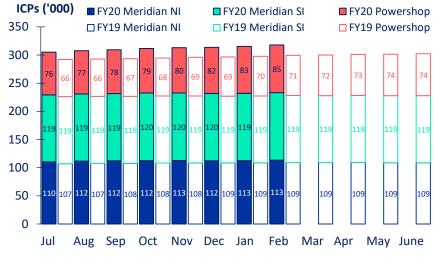
Source: ASX

Source: ASX

## **NEW ZEALAND RETAIL**

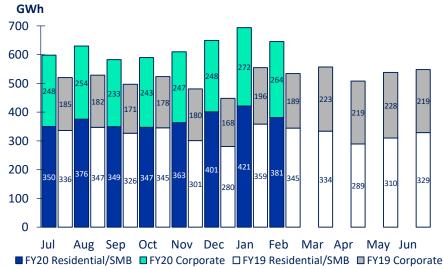
- Meridian's New Zealand customer connection numbers rose 0.8% during February 2020 and have risen 5.1% since June 2019
- Retail sales volumes in February 2020 were 20.9% higher than February 2019
- Compared to February 2019, residential/SMB sales volumes increased by 10.6% (increases in all segments) and corporate sales volumes increased by 39.6%
- To date this financial year, retail sales volumes are 22.3% higher than the same period last year
- This reflects a 13.3% increase in residential/SMB sales volumes and a 38.8% increase in corporate sales volumes

#### MERIDIAN'S NZ CUSTOMER CONNECTIONS



Source: Meridian

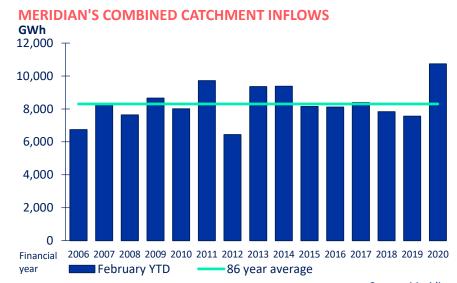
#### **MERIDIAN'S RETAIL SALES VOLUMES\***



<sup>\*</sup>excludes volumes sold to New Zealand Aluminium Smelters and CFDs

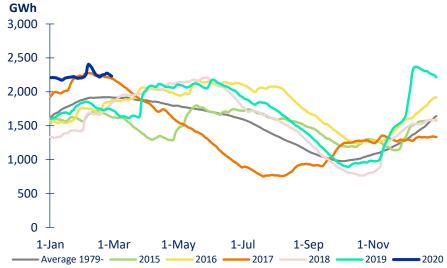
## **NEW ZEALAND STORAGE**

- February 2020 monthly inflows were 165% of historical average
- To date this financial year, inflows are 129% of historical average
- Meridian's Waitaki catchment storage moved from 2,210GWh to 2,229GWh during February 2020
- Waitaki storage at the end of February 2020 was 116% of historical average and 29% higher than the same time last year
- Storage in Meridian's Waiau catchment was above average at the end of February 2020



Source: Meridian

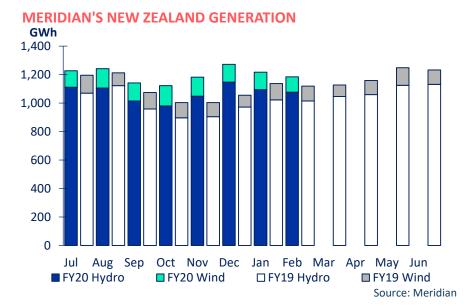
#### **MERIDIAN'S WAITAKI STORAGE**



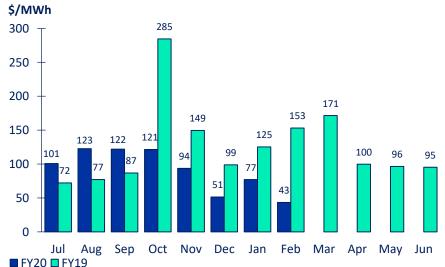
Source: Meridian

## **NEW ZEALAND GENERATION**

- Meridian's New Zealand generation in February 2020 was 5.9% higher than the same month last year, reflecting higher hydro generation and wind generation
- To date this financial year, Meridian's New Zealand generation is 8.9% higher than the same period last year, reflecting higher hydro generation and wind generation
- The average price Meridian received for its generation in February 2020 was 71.6% lower than the same month last year
- The average price Meridian paid to supply customers in February 2020 was 66.8% lower than the same month last year
- To date this financial year, the average price Meridian received for its generation is 28.9% lower than the same period last year and the average price paid to supply customers is 29.8% lower



#### MERIDIAN'S AVERAGE GENERATION PRICE\*

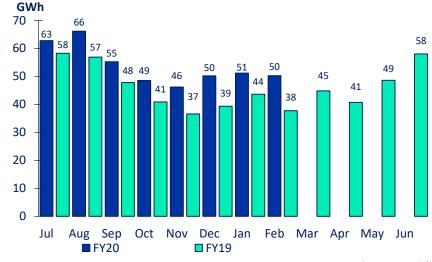


<sup>\*</sup>price received for Meridian's physical generation

## **AUSTRALIAN RETAIL**

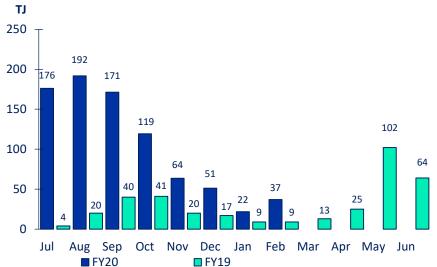
- Australian retail electricity sales volumes in February 2020 were 33.2% higher than the same month last year
- To date this financial year, Australian retail electricity sales volume is 19.2% higher than the same period last year
- Powershop Australia electricity customer connection numbers rose 3.0% during February 2020 and have risen 19.9% since June 2019
- Gas customer connection numbers rose
   3.2% during February 2020, with total
   sales in the month of 37TJ

#### **AUSTRALIAN RETAIL ELECTRICITY SALES VOLUMES**



Source: Meridian

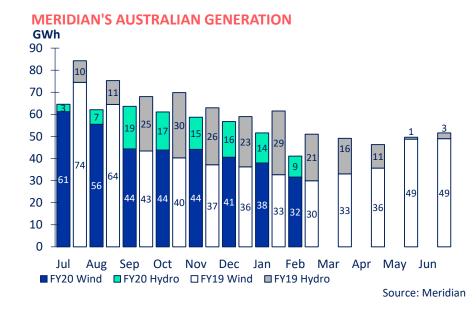
#### **AUSTRALIAN RETAIL GAS SALES VOLUMES**



Source: Meridian

## **AUSTRALIAN GENERATION**

- Meridian's Australian generation in February 2020 was 19.4% lower than the same month last year, reflecting higher wind generation and lower hydro generation
- To date this financial year, Meridian's Australian generation is 13.6% lower than the same period last year, reflecting higher wind generation and lower hydro generation
- February 2020 average wind generation price includes the settlement of CY19 forward sold Large Generation Certificates



3,642

1,354

\$67.4

5,244

\$103.9

\$89.2

\$90.3

8,580

1,009

9,589

\$91.0

1,529

\$78.7

\$97.8

-\$5.2

3,489

1,588

\$67.2

4,313

\$150.0

\$129.2

\$124.2

7,962

8,802

\$128.0

1,348

\$68.1

\$142.6

10

-\$3.6

840

# **NEW ZEALAND**

Avg. wholesale & financial contracts sales price<sup>3</sup> (\$NZ/MWh)

NZAS sales volume (GWh)

**New Zealand generation** 

**New Zealand hedging** 

Hedging volume<sup>6</sup> (GWh)

Hedging costs (\$NZ/MWh)

Future contract close outs (\$NZ m)

Hydro generation volumes (GWh)

Wind generation volumes (GWh)

**Total generation volumes (GWh)** 

Average generation price<sup>5</sup> (\$NZ/MWh)

Hedging spot revenue average price (\$NZ/MWh)

Meridian Energy Limited Monthly Operating Report for February 2020

Financial contract sales volumes<sup>2</sup> (GWh)

Retail customer supply volumes (GWh)

Cost of financial contracts (\$NZ/MWh)

Total New Zealand customer connections<sup>4</sup>

Cost to supply retail customers (\$NZ/MWh)

Cost to supply wholesale customers (\$NZ/MWh)

|   | <b>FEBRUARY</b> | <b>FEBRUARY</b> | JANUARY | DECEMBER | 8 MONTHS    | 8 MONTHS           |
|---|-----------------|-----------------|---------|----------|-------------|--------------------|
|   | 2020            | 2019            | 2020    | 2019     | TO FEBRUARY | <b>TO FEBRUARY</b> |
|   | MONTH           | MONTH           | MONTH   | MONTH    | 2020        | 2019               |
| New Zealand sales   |                 |                 |         |          |             |                    |
| Retail contracted sales volume (GWh)                          | 646             | 534             | 694     | 650      | 5,001       | 4,088              |
| Average retail contracted sales price <sup>1</sup> (\$NZ/MWh) | \$109.5         | \$102.1         | \$103.3 | \$100.0  | \$106.7     | \$103.1            |
| ·   |                 |                 |         |          |             |                    |

418

196

\$80.6

572

\$171.6

\$153.6

\$156.8

299,351

1,015

104

1,119

\$153.1

142

\$66.6

\$157.7

-\$0.7

18 March 2020

463

170

\$66.5

733

\$95.1

\$76.8

\$86.7

1,095

122

1,217

\$77.1

296

\$96.1

\$100.0

-\$0.2

315,225

463

164

\$62.3

\$57.1

\$45.4

\$81.6

1,147

125

1,272

\$51.4

182

\$64.4

\$63.1

-\$0.9

313,599

669

433

283

682

\$68.7

\$67.9

\$36.6

\$47.0

1,077

1,185

\$43.4

342

\$100.7

\$75.1

-\$0.2

108

317,784

# **AUSTRALIA**

|   | FEBRUARY<br>2020<br>MONTH | FEBRUARY<br>2019<br>MONTH | JANUARY<br>2020<br>MONTH | DECEMBER<br>2019<br>MONTH | 8 MONTHS TO<br>FEBRUARY<br>2020 | 8 MONTHS TO<br>FEBRUARY<br>2019 |
|---|---------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------------------------|
| Australian contracted sales                                       |                           |                           |                          |                           |                                 |                                 |
| Retail contracted electricity sales volume (GWh)                  | 50                        | 38                        | 51                       | 50                        | 430                             | 361                             |
| Average electricity contracted sales price <sup>1</sup> (\$A/MWh) | \$150.4                   | \$159.2                   | \$130.0                  | \$161.1                   | \$150.6                         | \$158.3                         |
| Retail contracted gas sales volume (TJ)                           | 37                        | 9                         | 22                       | 51                        | 831                             | 161                             |
| Average gas contracted sales price <sup>1</sup> (\$A/GJ)          | \$22.2                    | \$45.2                    | \$33.4                   | \$20.0                    | \$15.4                          | \$19.8                          |
| Financial contract sales volumes <sup>2</sup> (GWh)               | 43                        |                           | 46                       | 68                        | 443                             |                                 |
| Financial contracted sales average price (\$A/MWh)                | \$122.0                   |                           | \$122.0                  | \$79.2                    | \$90.7                          |                                 |
| Cost to supply electricity customers (\$A/MWh)                    | \$111.9                   | \$108.0                   | \$257.6                  | \$82.2                    | \$126.3                         | \$135.7                         |
| Cost to supply gas customers (\$A/GJ)                             | \$20.4                    | \$35.6                    | \$41.1                   | \$9.9                     | \$12.0                          | \$13.1                          |
| Cost of financial contracts (\$A/MWh)                             | \$52.2                    |                           | \$138.8                  | \$58.2                    | \$87.5                          |                                 |
| Powershop electricity customer connections <sup>7</sup>           | 131,647                   | 102,730                   | 127,847                  | 124,668                   |                                 |                                 |
| Powershop gas customer connections <sup>8</sup>                   | 33,428                    | 16,751                    | 32,387                   | 30,465                    |                                 |                                 |

# **AUSTRALIA**

|   | FEBRUARY<br>2020<br>MONTH | FEBRUARY<br>2019<br>MONTH | JANUARY<br>2020<br>MONTH | DECEMBER<br>2019<br>MONTH | 8 MONTHS TO<br>FEBRUARY<br>2020 | 8 MONTHS TO<br>FEBRUARY<br>2019 |
|---|---------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------------------------|
| Australian generation                                 |                           |                           |                          |                           |                                 |                                 |
| Wind generation volumes (GWh)                         | 32                        | 30                        | 38                       | 41                        | 359                             | 359                             |
| Average wind generation price <sup>5</sup> (\$A/MWh)  | \$474.6                   | \$151.6                   | \$225.9                  | \$101.9                   | \$160.8                         | \$148.4                         |
| Hydro generation volumes (GWh)                        | 9                         | 21                        | 14                       | 16                        | 100                             | 173                             |
| Average hydro generation price <sup>5</sup> (\$A/MWh) | \$56.4                    | \$86.3                    | \$153.1                  | \$64.4                    | \$91.9                          | \$112.2                         |
| PPA generation received (GWh)                         | 28                        | 22                        | 29                       | 29                        | 246                             | 109                             |
| Average PPA generation price [net of costs] (\$A/MWh) | \$1.4                     | \$34.3                    | \$59.5                   | \$7.8                     | \$27.9                          | \$20.2                          |
| Australian hedging                                    |                           |                           |                          |                           |                                 |                                 |
| Hedging volume <sup>6</sup> (GWh)                     | 43                        |                           | 39                       | 50                        | 340                             |                                 |
| Hedging costs (\$A/MWh)                               | \$197.7                   |                           | -\$23.1                  | \$89.9                    | \$98.1                          |                                 |
| Hedging spot revenue average price (\$A/MWh)          | \$58.6                    |                           | \$130.3                  | \$58.6                    | \$91.1                          |                                 |
| Future contract close outs (\$A M)                    | \$0.5                     | \$0.2                     | \$0.0                    | -\$0.1                    | \$1.3                           | \$0.0                           |

## **MERIDIAN GROUP**

|  | FEBRUARY<br>2020<br>MONTH | FEBRUARY<br>2019<br>MONTH | JANUARY<br>2020<br>MONTH | DECEMBER<br>2019<br>MONTH | 8 MONTHS TO<br>FEBRUARY<br>2020 | 8 MONTHS TO<br>FEBRUARY<br>2019 |
|--|---------------------------|---------------------------|--------------------------|---------------------------|---------------------------------|---------------------------------|
| Meridian Group                             |                           |                           |                          |                           |                                 |                                 |
| Employee and Operating Costs (\$m)         | 24                        | 22                        | 22                       | 22                        | 190                             | 179                             |
|  |                           |                           |                          |                           |                                 |                                 |
| Stay in Business Capital Expenditure (\$m) | 3                         | 3                         | 3                        | 4                         | 31                              | 28                              |
| Investment Capital Expenditure (\$m)       | 2                         | 2                         | 1                        | 1                         | 11                              | 10                              |
| Total Capital Expenditure (\$m)            | 5                         | 5                         | 4                        | 5                         | 42                              | 38                              |

#### **Footnotes**

- Contracted sales volumes and volume weighted average price received from contracted customers less distribution costs
- 2. Derivatives sold excluding the sell-side of virtual asset swaps
- 3. Average price of both NZAS sales volume and derivative sales volumes
- 4. Meridian Retail and Powershop New Zealand installation control points (ICPs), excluding vacants
- 5. Volume weighted average price received for Meridian's physical generation
- 6. Over the counter and ASX contract volumes excluding the buy-side of virtual asset swaps
- 7. Financially responsible market participants, excluding vacants
- 8. Meter installation registration numbers

# **FY20 OPERATING INFORMATION**

|   | Jul                                     | Aug         | Sep          | Oct     | Nov     | Dec     | Jan     | Feb     | Mar  | Apr  | May  | Jun  |
|---|---|-------------|--------------|---------|---------|---------|---------|---------|------|------|------|------|
|   | 2019                                    | 2019        | 2019         | 2019    | 2019    | 2019    | 2020    | 2020    | 2020 | 2020 | 2020 | 2020 |
| New Zealand contracted sales                                      |   |             |              |         |         |         |         |         |      |      |      | -    |
| Retail contracted sales volume (GWh)                              | 599                                     | 630         | 583          | 590     | 610     | 650     | 694     | 646     |      |      |      |      |
| Average retail contracted sales price (\$NZ/MWh)                  | \$113.5                                 | \$115.4     | \$109.5      | \$102.7 | \$99.8  | \$100.0 | \$103.3 | \$109.5 |      |      |      |      |
| NZAS sales volume (GWh)   | 463                                     | 463         | 447          | 463     | 448     | 463     | 463     | 433     |      |      |      |      |
| Financial contract sales volumes (GWh)                            | 150                                     | 176         | 148          | 129     | 135     | 164     | 170     | 283     |      |      |      |      |
| Average wholesale & financial contracts sales price (\$NZ/MWh)    | \$69.9                                  | \$70.9      | \$68.4       | \$67.0  | \$65.3  | \$62.3  | \$66.5  | \$68.7  |      |      |      |      |
| Retail customer supply volumes (GWh)                              | 645                                     | 662         | 581          | 623     | 650     | 669     | 733     | 682     |      |      |      |      |
| Cost to supply retail customers (\$NZ/MWh)                        | \$110.4                                 | \$135.6     | \$129.3      | \$130.2 | \$112.7 | \$57.1  | \$95.1  | \$67.9  |      |      |      |      |
| Cost to supply wholesale customers (\$NZ/MWh)                     | \$97.9                                  | \$120.5     | \$126.1      | \$118.7 | \$89.6  | \$45.4  | \$76.8  | \$36.6  |      |      |      |      |
| Cost of financial contracts (\$NZ/MWh)                            | \$101.9                                 | \$118.2     | \$120.5      | \$112.6 | \$92.8  | \$81.6  | \$86.7  | \$47.0  |      |      |      |      |
| Total New Zealand customer connections                            | 304,993                                 | 307,798     | 309,372      | 311,694 | 313,150 | 313,599 | 315,225 | 317,784 |      |      |      |      |
| New Zealand generation  | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | , , , , , , |              | ,       | ,       | ,       | , -     |         |      |      |      |      |
| Hydro generation volume (GWh)                                     | 1,111                                   | 1,106       | 1,015        | 980     | 1,049   | 1,147   | 1,095   | 1,077   |      |      |      |      |
| Wind generation volume (GWh)                                      | 116                                     | 135         | 126          | 143     | 133     | 125     | 122     | 108     |      |      |      |      |
| Total generation volume (GWh)                                     | 1,227                                   | 1,241       | 1,141        | 1,123   | 1,182   | 1,272   | 1,217   | 1,185   |      |      |      |      |
| Average generation price (\$NZ/MWh)                               | \$100.7                                 | \$122.7     | \$121.9      | \$121.4 | \$93.7  | \$51.4  | \$77.1  | \$43.4  |      |      |      |      |
| New Zealand hedging   | Ψ200.7                                  | Ų I I I     | <b>VILLI</b> | Ų ZZZZ  | ψ50.7   | ψ52.1   | ψ///12  | ψ.σ     |      | -    |      | -    |
| Hedging volume (GWh)  | 145                                     | 139         | 132          | 145     | 148     | 182     | 296     | 342     |      |      |      |      |
| Hedging costs (\$NZ/MWh)  | \$65.0                                  | \$63.2      | \$62.2       | \$64.4  | \$67.3  | \$64.4  | \$96.1  | \$100.7 |      |      |      |      |
| Hedging spot revenue average price (\$NZ/MWh)                     | \$104.4                                 | \$130.5     | \$124.0      | \$122.6 | \$104.1 | \$63.1  | \$100.0 | \$75.1  |      |      |      |      |
| Future contract close outs (\$NZm)                                | -0.3                                    | -0.6        | -1.4         | -1.5    | -0.2    | -0.9    | -0.2    | -0.2    |      |      |      |      |
| ratare contract close oats (\$142m)                               | 0.5                                     | 0.0         | 2.4          | 1.5     | 0.2     | 0.5     | 0.2     | 0.2     |      |      |      |      |
| Australia contracted sales  |   |             |              |         |         |         |         |         |      |      |      |      |
| Retail contracted electricity sales volume (GWh)                  | 63                                      | 66          | 55           | 49      | 46      | 50      | 51      | 50      |      |      |      |      |
| Average electricity contracted sales price <sup>1</sup> (\$A/MWh) | \$149.8                                 | \$147.0     | \$131.2      | \$168.0 | \$174.0 | \$161.1 | \$130.0 | \$150.4 |      |      |      |      |
| Retail contracted gas sales volume (TJ)                           | 176                                     | 192         | 171          | 119     | 64      | 51      | 22      | 37      |      |      |      |      |
| Average gas contracted sales price <sup>1</sup> (\$A/GJ)          | \$13.9                                  | \$14.0      | \$13.4       | \$13.8  | \$18.9  | \$20.0  | \$33.4  | \$22.2  |      |      |      |      |
| Financial contract sales volumes <sup>2</sup> (GWh)               | 54                                      | 43          | 60           | 65      | 63      | 68      | 46      | 43      |      |      |      |      |
| Financial contracted sales average price (\$A/MWh)                | \$83.3                                  | \$86.1      | \$90.1       | \$80.1  | \$80.1  | \$79.2  | \$122.0 | \$122.0 |      |      |      |      |
| Cost to supply electricity customers (\$A/MWh)                    | \$105.5                                 | \$126.4     | \$118.0      | \$119.9 | \$89.2  | \$82.2  | \$257.6 | \$111.9 |      |      |      |      |
| Cost to supply electricity customers (\$A/GJ)                     | \$103.3                                 | \$11.4      | \$9.8        | \$8.6   | \$14.0  | \$9.9   | \$41.1  | \$20.4  |      |      |      |      |
| Cost of financial contracts (\$A/MWh)                             | \$86.9                                  | \$101.0     | \$103.6      | \$100.1 | \$68.3  | \$58.2  | \$138.8 | \$52.2  |      |      |      |      |
|   | •                                       | •           |              |         |         |         |         |         |      |      |      |      |
| Powershop electricity customer connections                        | 111,373                                 | 112,995     | 115,099      | 118,721 | 121,575 | 124,668 | 127,847 | 131,647 |      |      |      |      |
| Powershop gas customer connections <sup>8</sup>                   | 24,096                                  | 25,240      | 26,529       | 27,858  | 29,182  | 30,465  | 32,387  | 33,428  |      |      |      |      |
| Australia generation  |   |             |              |         |         |         |         |         |      |      |      |      |
| Wind generation volume (GWh)                                      | 61                                      | . 56        | . 44         | . 44    | . 44    | 41      | . 38    | 32      |      |      |      |      |
| Average wind generation price (\$A/MWh)                           | \$115.7                                 | \$124.7     | \$127.3      | \$125.5 | \$110.3 | \$101.9 | \$225.9 | \$474.6 |      |      |      |      |
| Hydro generation volume (GWh)                                     | . 3                                     | . 7         | 19           | 17      | . 15    | 16      | . 14    | . 9     |      |      |      |      |
| Average hydro generation price (\$A/MWh)                          | \$81.0                                  | \$104.0     | \$99.2       | \$99.4  | \$66.9  | \$64.4  | \$153.1 | \$56.4  |      |      |      |      |
| PPA generation received (GWh)                                     | 35                                      | 34          | 30           | 31      | 30      | 29      | 29      | 28      |      |      |      |      |
| Average PPA generation price [net of costs] (\$A/MWh)             | \$22.9                                  | \$30.3      | \$38.4       | \$45.2  | \$16.5  | \$7.8   | \$59.5  | \$1.4   |      |      |      |      |
| Australia hedging   |   |             |              |         |         |         |         |         |      |      |      |      |
| Hedging volume (GWh)  | 36                                      | 39          | 36           | 50      | 48      | 50      | 39      | 43      |      |      |      |      |
| Hedging costs (\$A/MWh)   | \$67.2                                  | \$98.6      | \$107.3      | \$95.5  | \$89.9  | \$89.9  | -\$23.1 | \$197.7 |      |      |      |      |
| Hedging spot revenue average price (\$A/MWh)                      | \$99.6                                  | \$105.4     | \$111.4      | \$107.7 | \$72.3  | \$58.6  | \$130.3 | \$58.6  |      |      |      |      |
| Future contract close outs (\$A M)                                | \$0.0                                   | \$0.2       | -\$0.1       | \$0.0   | \$0.7   | -\$0.1  | \$0.0   | \$0.5   |      |      |      |      |
| Meridian Group  |   |             |              |         |         |         |         |         |      |      |      |      |
| Employee and Operating Costs (\$NZ m)                             | 24                                      | 24          | 25           | 25      | 24      | 22      | 22      | 24      |      |      |      |      |
| Stay in Business Capital Expenditure (\$NZ m)                     | 4                                       | 3           | 4            | 4       | 4       | 4       | 3       | 3       |      |      |      |      |
| Investment Capital Expenditure (\$NZ m)                           | 1                                       | 2           | 2            | 1       | 2       | 1       | 1       | 2       |      |      |      |      |
| myesement capital Expenditure (SINZ III)                          | 1                                       |             | 4            | 1       |         | 1       |         | _       |      |      |      |      |

# **FY19 OPERATING INFORMATION**

|   | Jul<br>2018      | Aug<br>2018 | Sep              | Oct     | Nov          | Dec     | Jan               | Feb     | Mar     | Apr     | May          | Jun              |
|---|------------------|-------------|------------------|---------|--------------|---------|-------------------|---------|---------|---------|--------------|------------------|
| New Zealand contracted sales                                      | 2018             | 2018        | 2018             | 2018    | 2018         | 2018    | 2019              | 2019    | 2019    | 2019    | 2019         | 2019             |
| Retail contracted sales volume (GWh)                              | 521              | 529         | 497              | 524     | 481          | 448     | 555               | 534     | 557     | 508     | 538          | 548              |
| Average retail contracted sales price (\$NZ/MWh)                  | \$113.1          | \$110.7     | \$106.7          | \$98.3  | \$98.5       | \$95.5  | \$98.2            | \$102.0 | \$101.3 | \$105.4 | \$112.7      | \$113.9          |
| NZAS sales volume (GWh)   | 426              | 426         | 411              | 439     | 396.5<br>444 | 463     | 463               | 418     | 463     | 448     | 463          | 3113.9<br>448    |
| Financial contract sales volumes (GWh)                            | 386              | 196         | 140              | 149     | 146          | 217     | 157               | 196     | 187     | 168     | 168          | 129              |
| Average wholesale & financial contracts sales price (\$NZ/MWh)    | \$63.9           | \$58.5      | \$58.0           | \$65.9  | \$72.7       | \$68.9  | \$69.4            | \$80.6  | \$80.3  | \$73.0  | \$72.3       | \$69.6           |
| Retail customer supply volumes (GWh)                              | 565.9<br>541     | 560         | 528              | 554     | 509          | 468     | 581               | 572     | 587     | 538     | 572.5<br>578 | 592<br>592       |
| Cost to supply retail customers (\$NZ/MWh)                        | \$87.1           | \$90.0      | \$95.0           | \$309.8 | \$183.0      | \$115.5 | \$141.3           | \$171.6 | \$186.0 | \$113.4 | \$113.3      | \$102.8          |
| Cost to supply retail customers (\$NZ/MWh)                        | \$68.9           | \$74.4      | \$88.7           | \$284.1 | \$137.1      | \$98.1  | \$125.8           | \$153.6 | \$168.2 | \$97.5  | \$93.1       | \$102.8          |
| Cost of financial contracts (\$NZ/MWh)                            | \$71.8           | \$93.1      | \$94.3           | \$267.7 | \$157.1      | \$116.5 | \$125.8           | \$156.8 | \$163.0 | \$104.4 | \$96.3       | \$103.0          |
| Total New Zealand customer connections                            | 292,091          | 292,906     | 293,386          | 294,695 | 296,064      | 296,532 | 297,621           | 299,351 | 299,905 | 301,230 | 301,508      | 302,277          |
| New Zealand generation  | 292,091          | 232,300     | 233,360          | 234,033 | 230,004      | 230,332 | 237,021           | 233,331 | 233,303 | 301,230 | 301,308      | 302,277          |
| Hydro generation volume (GWh)                                     | 1,070            | 1,123       | 959              | 897     | 905          | 972     | 1,022             | 1,015   | 1,046   | 1,060   | 1,125        | 1,132            |
| Wind generation volume (GWh)                                      | 1,070            | 90          | 115              | 107     | 99           | 83      | 116               | 104     | 81      | 99      | 1,123        | 1,132            |
| Total generation volume (GWh)                                     | 1,196            | 1,213       | 1,074            | 1,004   | 1,004        | 1,055   | 1,138             | 1,119   | 1,128   | 1,159   | 1,248        | 1,232            |
| Average generation price (\$NZ/MWh)                               | \$72.1           | \$77.2      | \$86.8           | \$284.6 | \$149.5      | \$98.8  | \$125.3           | \$153.1 | \$171.5 | \$99.8  | \$96.5       | \$95.2           |
| New Zealand hedging   | \$72.1           | \$11.2      | 300.0            | \$204.0 | \$149.5      | ٥.٥٤ډ   | \$125.5           | \$155.1 | \$1/1.5 | ٥.555   | 390.5        | 393.2            |
|   | 170              | 167         | 147              | 200     | 190          | 177     | 155               | 142     | 186     | 144     | 149          | 138              |
| Hedging volume (GWh)  | \$65.7           | \$63.1      | \$62.5           | \$77.7  | \$74.7       | \$61.7  | \$69.3            | \$66.6  | \$71.2  | \$65.0  | \$66.3       | \$63.9           |
| Hedging costs (\$NZ/MWh)  | \$65.7<br>\$74.5 | \$80.8      | \$62.5<br>\$87.9 | \$77.7  | \$180.8      | \$104.6 | \$69.3<br>\$127.7 | \$157.7 | \$168.4 | \$103.1 | \$101.9      | \$63.9<br>\$97.5 |
| Hedging spot revenue average price (\$NZ/MWh)                     | -0.1             | -0.3        | -0.6             | -0.5    | -0.5         | -0.5    | -0.4              | -0.7    | -2.8    | -1.1    | -0.4         | -0.1             |
| Future contract close outs (\$NZm)                                | -0.1             | -0.3        | -0.6             | -0.5    | -0.5         | -0.5    | -0.4              | -0.7    | -2.8    | -1.1    | -0.4         | -0.1             |
| Australia contracted sales  |                  |             |                  |         |              |         |                   |         |         |         |              |                  |
| Retail contracted electricity sales volume (GWh)                  | 58               | 57          | 48               | 41      | 37           | 39      | 44                | 38      | 45      | 41      | 49           | 58               |
| Average electricity contracted sales price <sup>1</sup> (\$A/MWh) | \$149.6          | \$168.9     | \$159.4          | \$150.4 | \$151.5      | \$165.9 | \$160.0           | \$159.2 |         |         | \$162.2      | \$159.7          |
| Retail contracted gas sales volume (TJ)                           | 4                | 20          | 40               | 41      | 20           | 17      | 9                 | 9       | 13      | 25      | 102          | 64               |
| Average gas contracted sales price <sup>1</sup> (\$A/GJ)          | \$16.1           | \$15.5      | \$14.2           | \$15.7  | \$20.7       | \$24.7  | \$39.2            | \$45.2  |         |         | \$15.4       | \$19.4           |
| Financial contract sales volumes <sup>2</sup> (GWh)               |                  |             |                  |         |              |         |                   |         |         |         | 51           | 42               |
| Financial contracted sales average price (\$A/MWh)                |                  |             |                  |         |              |         |                   |         |         |         | \$64.1       | \$80.7           |
| Cost to supply electricity customers (\$A/MWh)                    | \$103.1          | \$105.7     | \$114.1          | \$108.7 | \$113.3      | \$111.4 | \$332.0           | \$108.0 |         |         | \$112.4      | \$133.7          |
| Cost to supply gas customers (\$A/GJ)                             | \$14.8           | \$12.8      | \$15.0           | \$6.8   | \$8.9        | \$14.0  | \$19.3            | \$35.6  |         |         | \$11.7       | \$29.4           |
| Cost of financial contracts (\$A/MWh)                             |                  |             |                  |         |              |         |                   |         |         |         | \$70.1       | \$100.2          |
| Powershop electricity customer connections <sup>7</sup>           | 96,743           | 96,801      | 96,657           | 97,514  | 98,618       | 99,368  | 101,020           | 102,730 | 104,450 | 106,240 | 108,332      | 109,804          |
| Powershop gas customer connections <sup>8</sup>                   | 1,137            | 4,776       | 7,558            | 9,577   | 11,333       | 12,508  | 14,309            | 16,751  | 18,225  | 19,990  | 21,426       | 22,612           |
| Australia generation  |                  |             |                  |         |              |         |                   |         |         |         |              | •                |
| Wind generation volume (GWh)                                      | 74               | 64          | 43               | 40      | 37           | 36      | 38                | 30      | 33      | 36      | 49           | 49               |
| Average wind generation price (\$A/MWh)                           | \$153.0          | \$148.0     | \$163.9          | \$178.3 | \$123.2      | \$134.9 | \$225.9           | \$151.6 |         |         | \$143.9      | \$126.1          |
| Hydro generation volume (GWh)                                     | 10               | 11          | 25               | 30      | 26           | 23      | 14                | 21      | 16      | 11      | 1            | 3                |
| Average hydro generation price (\$A/MWh)                          | \$37.3           | \$46.0      | \$128.6          | \$92.0  | \$90.9       | \$94.8  | \$153.1           | \$86.3  |         |         | \$79.3       | \$77.4           |
| PPA generation received (GWh)                                     | 11               | 10          | 7                | 13      | 12           | 11      | 29                | 22      |         |         | 33           | 31               |
| Average PPA generation price [net of costs] (\$A/MWh)             | -\$66.0          | -\$63.9     | -\$71.3          | -\$65.5 | \$121.3      | \$20.8  | \$59.5            | \$34.3  |         |         | \$40.4       | \$34.2           |
| Australia hedging   | 7.0.0            | 7.00.0      | 7                | ,,,,,,  | 7            | 7-0.0   | 700.0             | 70      |         |         | 7            | 7.0              |
| Hedging volume (GWh)  |                  |             |                  |         |              |         |                   |         |         |         | 80           | 51               |
| Hedging costs (\$A/MWh)   |                  |             |                  |         |              |         |                   |         |         |         | \$65.6       | \$95.9           |
| Hedging spot revenue average price (\$A/MWh)                      |                  |             |                  |         |              |         |                   |         |         |         | \$58.2       | \$99.0           |
| Future contract close outs (\$A M)                                | -\$0.1           | -\$0.1      | \$0.1            | -\$0.1  | \$0.0        | \$0.0   | \$0.0             | \$0.2   |         |         | \$0.0        | \$0.1            |
| Meridian Group  |                  |             |                  |         |              |         |                   |         |         |         |              |                  |
| Employee and Operating Costs (\$NZ m)                             | 22               | 23          | 24               | 22      | 22           | 22      | 22                | 22      | 23      | 22      | 26           | 29               |
| Stay in Business Capital Expenditure (\$NZ m)                     | 5                | 3           | 4                | 5       | 4            | 3       | 3                 | 3       | 3       | 4       | 5            | 9                |
| Investment Capital Expenditure (\$NZ m)                           | 1                | 1           | 1                | 1       | 1            | 1       | 1                 | 2       | 1       | 1       | 2            | 1                |
| Total Capital Expenditure (\$NZ m)                                | 6                | 4           | 5                | 6       | 5            | 4       | 4                 | 5       | 4       | 5       | 7            | 10               |

# **GLOSSARY**

Hedging volumes buy-side electricity derivatives excluding the buy-side of virtual asset swaps

Average generation price the volume weighted average price received for Meridian's physical generation

Average retail contracted sales price volume weighted average electricity price received from retail customers, less distribution costs

Average wholesale contracted sales price volume weighted average electricity price received from wholesale customers (including NZAS) and financial contracts

Combined catchment inflows combined water inflows into Meridian's Waitaki and Waiau hydro storage lakes

Cost of hedges volume weighted average price Meridian pays for derivatives acquired

Cost to supply contracted sales volume weighted average price Meridian pays to supply contracted customer sales and financial contracts

Contracts for Difference (CFDs) an agreement between parties to pay the difference between the wholesale electricity price and an agreed fixed price for

a specified volume of electricity. CFDs do not result in the physical supply of electricity

Customer connections (NZ) number of installation control points, excluding vacants

FRMP financially responsible market participant

GWh gigawatt hour. Enough electricity for 125 average New Zealand households for one year

Historic average inflows the historic average combined water inflows into Meridian's Waitaki and Waiau hydro storage lakes over the last 85 years

Historic average storage the historic average level of storage in Meridian's Waitaki catchment since 1979

HVDC high voltage direct current link between the North and South Islands of New Zealand

ICP New Zealand installation control points, excluding vacants

ICP switching the number of installation control points changing retailer supplier in New Zealand, recorded in the month the switch was

initiated

MWh megawatt hour. Enough electricity for one average New Zealand household for 46 days

National demand Electricity Authority's reconciled grid demand www.emi.ea.govt.nz

NZAS New Zealand Aluminium Smelters Limited

Retail sales volumes contract sales volumes to retail customers, including both non half hourly and half hourly metered customers

Financial contract sales sell-side electricity derivatives excluding the sell-side of virtual asset swaps

TJ Terajoules

Virtual Asset Swaps (VAS)

CFDs Meridian has with Genesis Energy and Mercury New Zealand. They do not result in the physical supply of electricity