

## *Release*

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Stock Exchange Listings NZX (MEL) ASX (MEZ)

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### Meridian Energy monthly operating report for October 2021

12 November 2021

Attached is Meridian Energy Limited's monthly operating report for the month of October 2021.

#### Highlights this month include:

- In the month to 11 November 2021, national hydro storage decreased from **134%** to **119%** of historical average
- South Island storage decreased to **116%** of average and North Island storage increased to **130%** of average by 11 November 2021
- Meridian's October 2021 monthly total inflows were **83%** of historical average
- Meridian's Waitaki catchment water storage at the end of October 2021 was **149%** of historical average
- Water storage in Meridian's Waiau catchment was **below** average at the end of October 2021
- Waitaki snow storage at the end of October 2021 was **119%** of historical average
- National electricity demand in October 2021 was **3.0%** lower than the same month last year. More stringent lockdowns were in place this October compared to October 2020
- October 2021 was another mild month with temperatures above average for most of the country. Most South Island regions saw rainfall below average
- New Zealand Aluminium Smelter's average load during October 2021 was **572MW**
- Meridian's New Zealand retail sales volumes in October 2021 were **0.2%** lower than October 2020
- Compared to October 2020, segment sales increased in residential +16.8%, small medium business +12.4% and corporate +6.5%. Large business volumes were -5.6% lower and agricultural volumes were -33.0% lower than October 2020

#### ENDS

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Meridian.

# Monthly Operating Report

October 2021

MEMBER OF  
Dow Jones  
Sustainability Indices

In collaboration with  S&P Global

## October highlights

In the month to 11 November 2021, national hydro storage decreased from **134%** to **119%** of historical average

South Island storage decreased to **116%** of average and North Island storage increased to **130%** of average by 11 November 2021

Meridian's October 2021 monthly total inflows were **83%** of historical average

Meridian's Waitaki catchment water storage at the end of October 2021 was **149%** of historical average

Water storage in Meridian's Waiau catchment was **below** average at the end of October 2021

Waitaki snow storage at the end of October 2021 was **119%** of historical average

National electricity demand in October 2021 was **3.0%** lower than the same month last year. More stringent lockdowns were in place this October compared to October 2020

October 2021 was another mild month with temperatures above average for most of the country. Most South Island regions saw rainfall below average

New Zealand Aluminium Smelter's average load during October 2021 was **572MW**

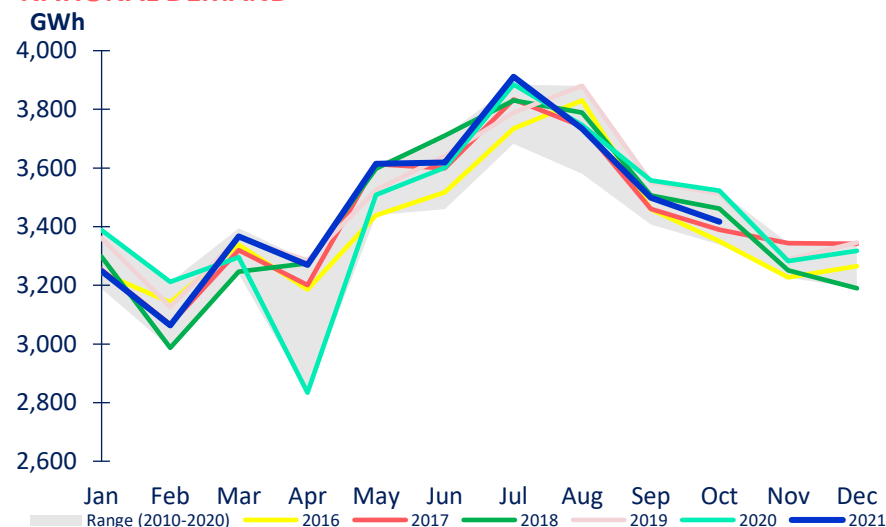
Meridian's New Zealand retail sales volumes in October 2021 were **0.2%** lower than October 2020

Compared to October 2020, segment sales increased in residential +16.8%, small medium business +12.4% and corporate +6.5%. Large business volumes were -5.6% lower and agricultural volumes were -33.0% lower than October 2020

## Market data

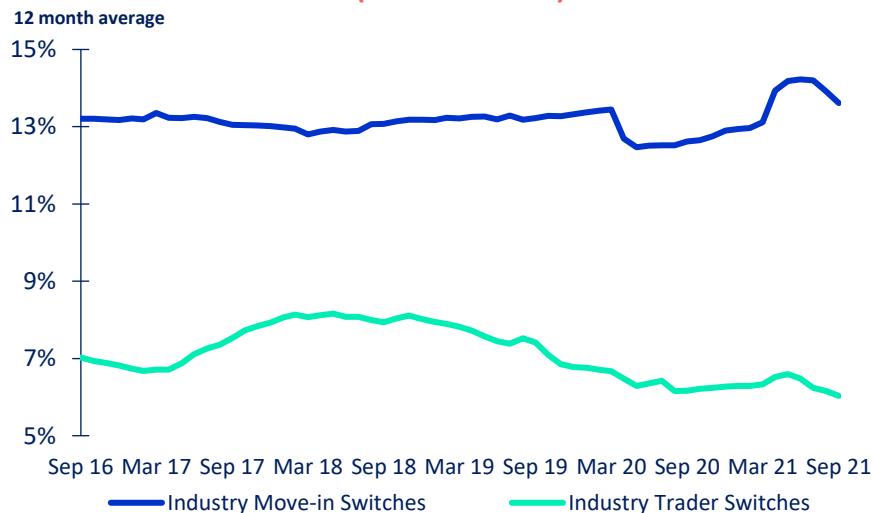
- National electricity demand in October 2021 was 3.0% lower than the same month last year. More stringent lockdowns were in place this October compared to October 2020
- October 2021 was another mild month with temperatures above average for most of the country. Most South Island regions saw rainfall below average
- Demand in the last 12 months was 0.5% higher than the preceding 12 months
- New Zealand Aluminium Smelter's average load during October 2021 was 572MW
- 12-month average switching rate of customers changing retailers but not moving ("trader" switch) was 6.0% at the end of September 2021
- 12-month average switching rate of customers moving and changing retailers ("move-in" switch) was 13.6% at the end of September 2021

### NATIONAL DEMAND



Source: Electricity Authority (reconciled demand)

### MARKET ICP SWITCHING (ALL RETAILERS)

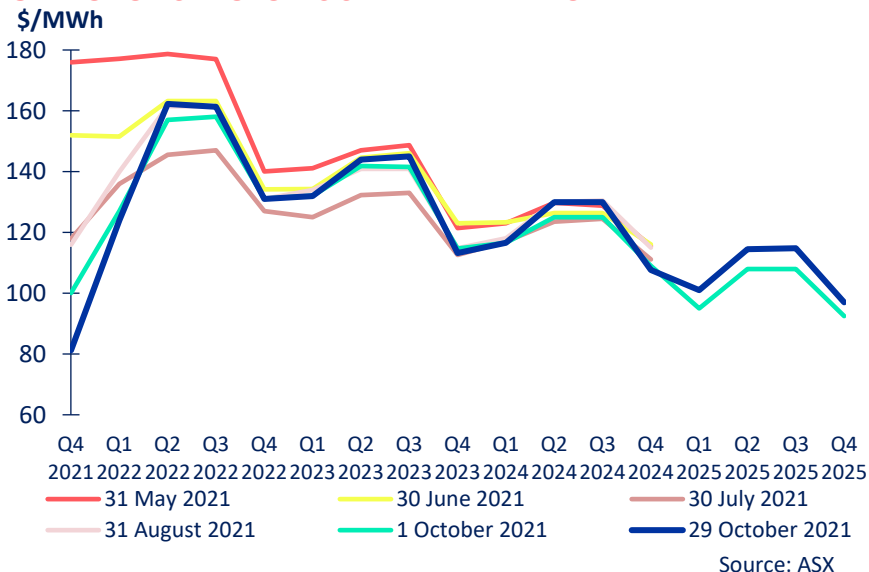


Source: Electricity Authority

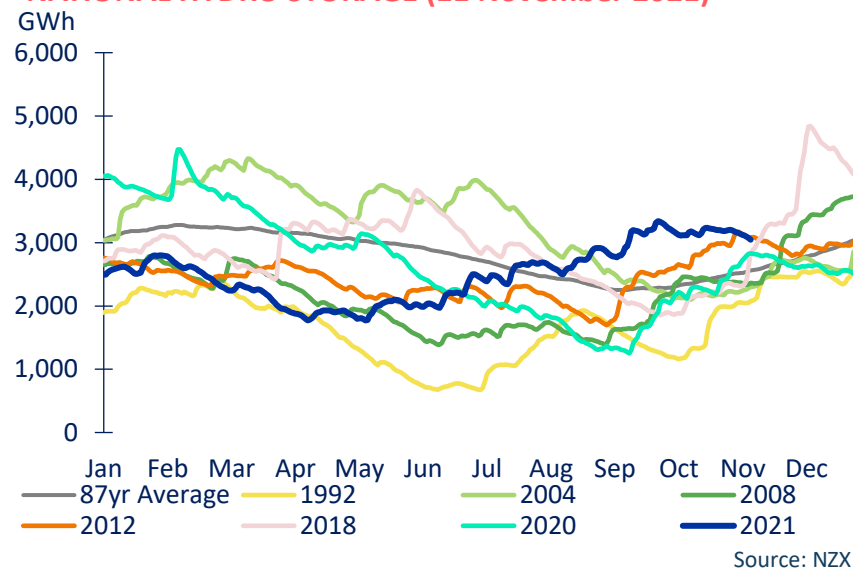
## Market data

- October 2021 saw slight decreases in near term ASX prices. 2025 futures continue trading at lower levels than 2024
- National storage decreased from 134% of average on 12 October 2021 to 119% of average on 11 November 2021
- South Island storage decreased to 116% of historical average by 11 November 2021. North Island storage increased to 130% of average

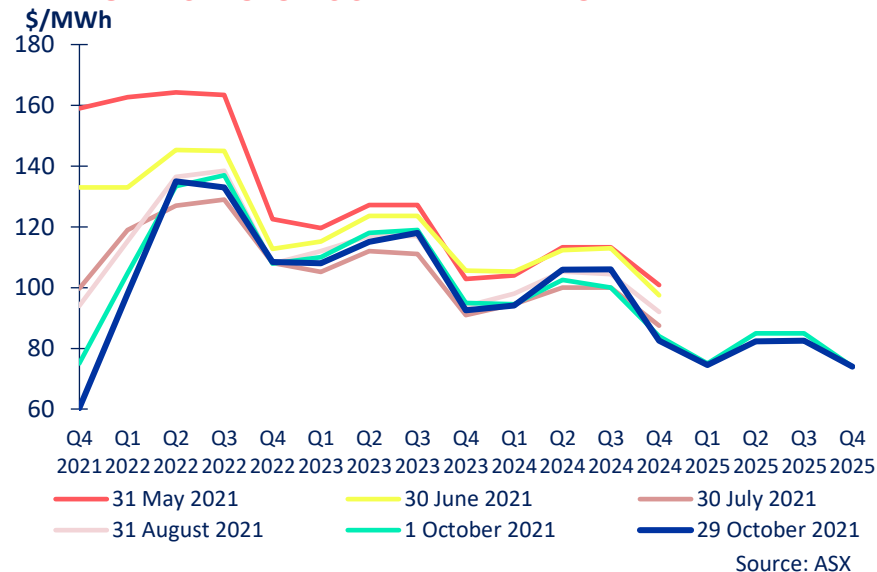
### OTAHUHU ASX FUTURES SETTLEMENT PRICE



### NATIONAL HYDRO STORAGE (11 November 2021)



### BENMORE ASX FUTURES SETTLEMENT PRICE

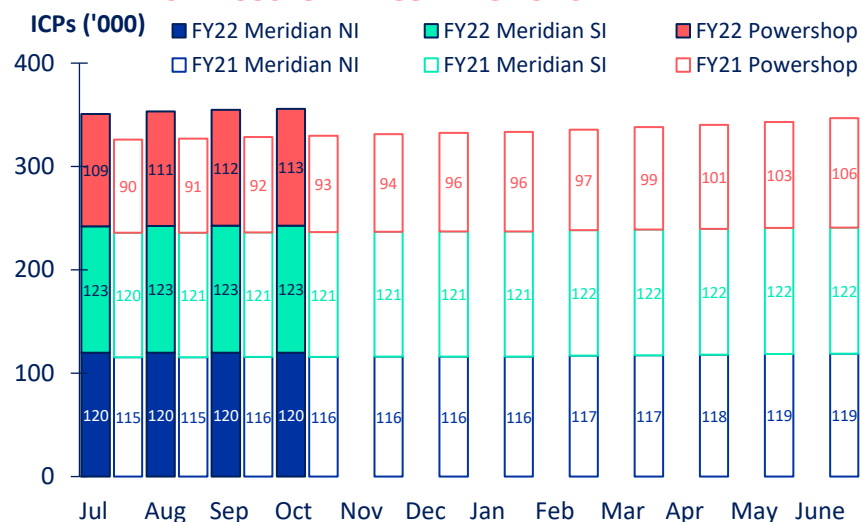


## New Zealand retail

- Meridian's New Zealand customer connection numbers rose 0.3% during October 2021 and have risen 2.6% since June 2021
- Retail sales volumes in October 2021 were 0.2% lower than October 2020
- Compared to October 2020, segment sales increased in residential +16.8%, small medium business +12.4% and corporate +6.5%. Large business volumes were -5.6% lower and agricultural volumes were -33.0% lower than October 2020
- To date this financial year, retail sales volumes are 8.5% higher than the same period last year
- This reflects increased segment sales in: residential +14.5%, small medium business +19.5%, and corporate +11.6%. Large business volumes are -9.0% lower and agricultural volumes are -15.1% lower

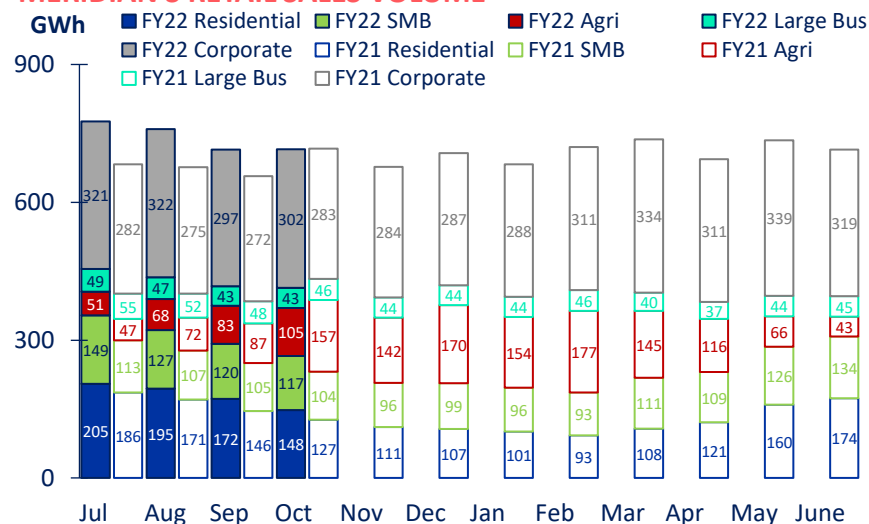
\*excludes volumes sold to New Zealand Aluminium Smelters and CFDs

### MERIDIAN'S NZ CUSTOMER CONNECTIONS



Source: Meridian

### MERIDIAN'S RETAIL SALES VOLUME\*

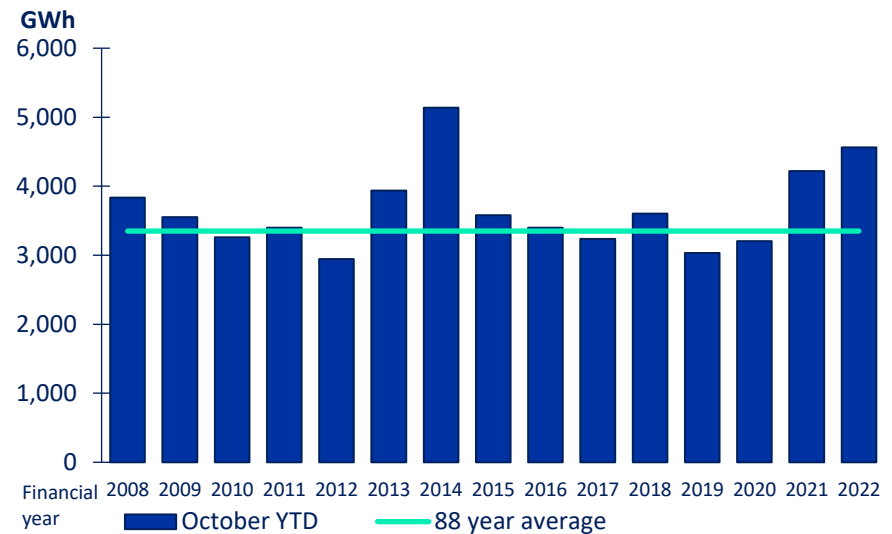


Source: Meridian

## New Zealand storage

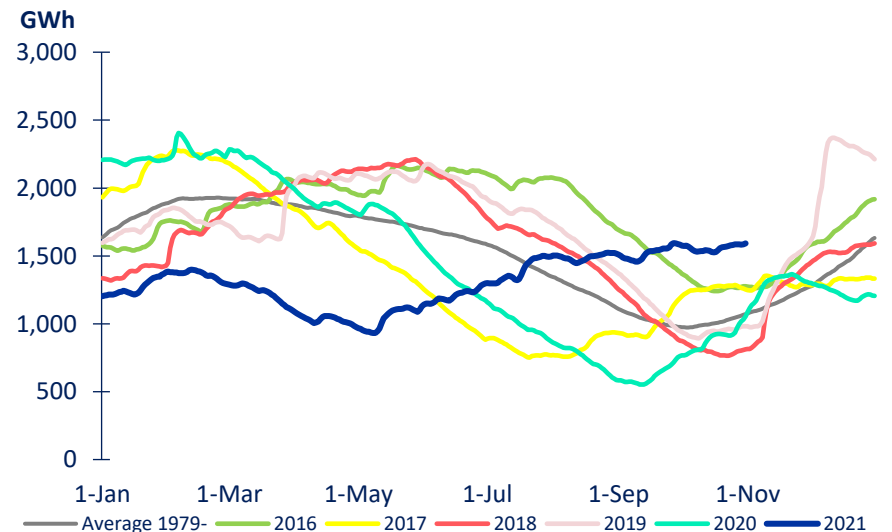
- October 2021 monthly inflows were 83% of historical average
- To date this financial year, inflows are 136% of historical average
- Meridian's Waitaki catchment water storage moved from 1,583GWh to 1,593GWh during October 2021
- Waitaki water storage at the end of October 2021 was 149% of historical average and 51% higher than the same time last year
- Water storage in Meridian's Waiau catchment was below average at the end of October 2021
- Waitaki snow storage at the end of October 2021 was 119% of historical average

### MERIDIAN'S COMBINED CATCHMENT INFLOWS



Source: Meridian

### MERIDIAN'S WAITAKI STORAGE

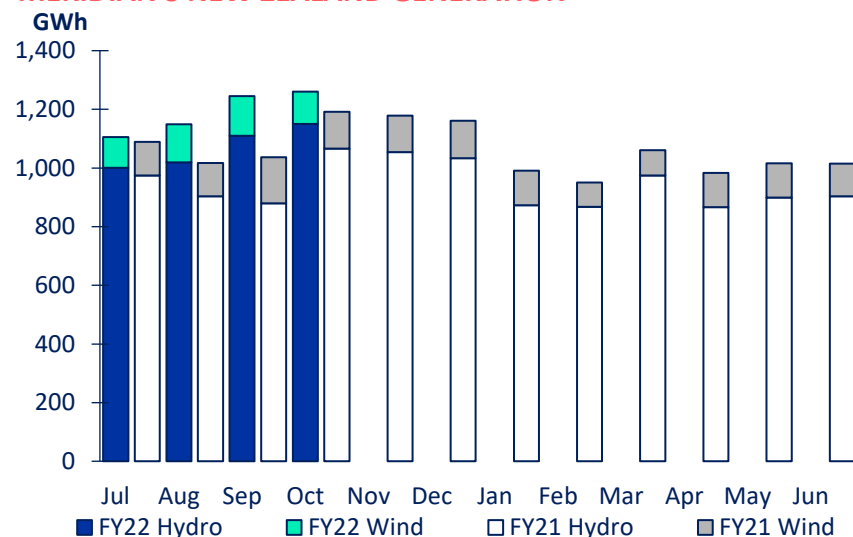


Source: Meridian

## New Zealand generation

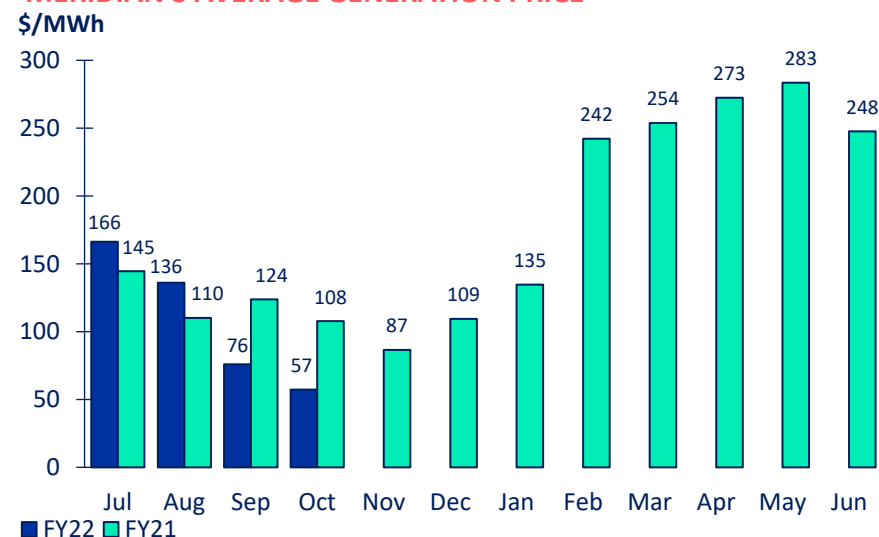
- Meridian's New Zealand generation in October 2021 was 5.8% higher than the same month last year, reflecting higher hydro and lower wind generation
- To date this financial year, Meridian's New Zealand generation is 9.8% higher than the same period last year, reflecting higher hydro and lower wind generation
- The average price Meridian received for its generation in October 2021 was 46.9% lower than the same month last year
- The average price Meridian paid to supply customers in October 2021 was 42.6% lower than the same month last year
- To date this financial year, the average price Meridian received for its generation is 12.3% lower than the same period last year and the average price paid to supply customers is 9.0% lower

### MERIDIAN'S NEW ZEALAND GENERATION



Source: Meridian

### MERIDIAN'S AVERAGE GENERATION PRICE\*



\*price received for Meridian's physical generation

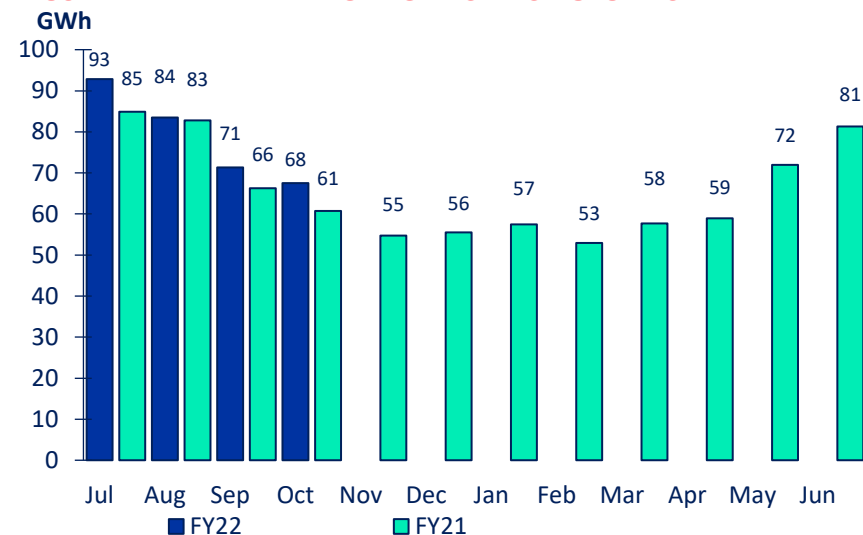
Source: Meridian



## Australian retail

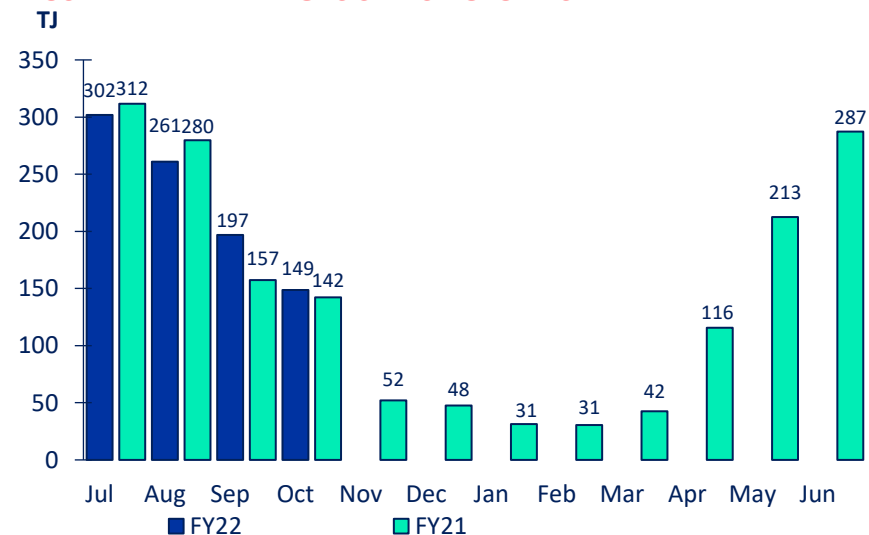
- Powershop Australia electricity customer connection numbers rose 1.2% during October 2021 and have increased 2.6% since June 2021
- Electricity sales volumes in October 2021 were 11.3% higher than the same month last year
- To date this financial year, electricity sales volumes are 7.0% higher than the same period last year
- Powershop Australia gas customer connection numbers rose 1.9% during October 2021 and have risen 6.1% since June 2021
- Gas sales volumes in October 2021 were 4.6% higher than the same month last year
- To date this financial year, gas sales volumes are 1.9% higher than the same period last year

### AUSTRALIAN RETAIL ELECTRICITY SALES VOLUMES



Source: Meridian

### AUSTRALIAN RETAIL GAS SALES VOLUMES

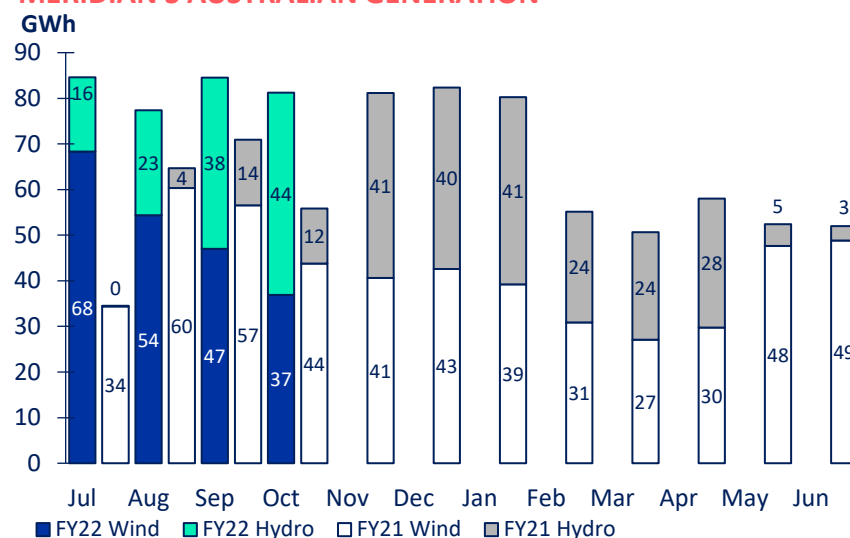


Source: Meridian

## Australian generation

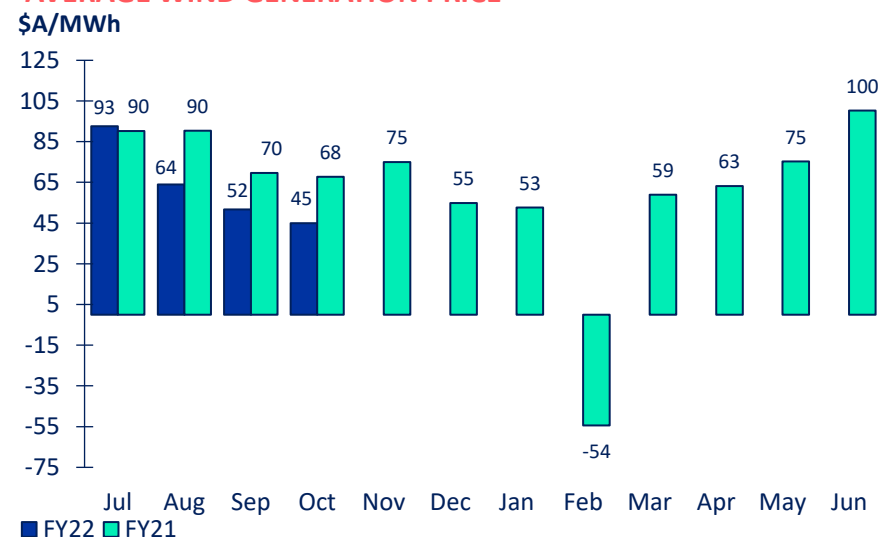
- Meridian's Australian generation in October 2021 was 45.3% higher than the same month last year, reflecting lower wind generation and higher hydro generation
- To date this financial year, Meridian's Australian generation is 45.0% higher than the same period last year, reflecting higher wind and higher hydro generation
- Storage at Meridian's Hume hydro power station sat at 97% of capacity on 11 November 2021
- Average NEM<sup>1</sup> electricity demand in October 2021 was down 3% on the previous month
- Spot prices increased slightly in October 2021, however, remain 8% higher than October 2020. Forward prices increased modestly compared to the previous month

### MERIDIAN'S AUSTRALIAN GENERATION



Source: Meridian

### AVERAGE WIND GENERATION PRICE<sup>2</sup>



Source: Meridian

<sup>1</sup>See glossary on page 17 for a definition of Australia's National Electricity Market

<sup>2</sup>February average generation prices include the settlement of forward sold Large Generation Certificates:

- Forward LGC sales are marked to market monthly through fair value movements
- Sales settle in February each year
- At which point fair value gains or losses on settled sales transfer to generation revenue
- With the FY21 settlement, generation revenue included market to market losses of A\$3M

# New Zealand

	OCTOBER 2021 MONTH	OCTOBER 2020 MONTH	SEPTEMBER 2021 MONTH	AUGUST 2021 MONTH	4 MONTHS TO OCTOBER 2021	4 MONTHS TO OCTOBER 2020
<b>New Zealand contracted sales</b>						
Residential sales volume (GWh)	148	127	172	195	721	629
Small medium business sales volume (GWh)	117	104	120	127	513	429
Agricultural sales volume (GWh)	105	157	83	68	307	362
Large business sales volume (GWh)	43	46	43	47	183	201
Corporate and industrial sales volume (GWh)	302	283	297	322	1,242	1,113
<b>Retail contracted sales volume (GWh)</b>	<b>716</b>	<b>717</b>	<b>715</b>	<b>759</b>	<b>2,966</b>	<b>2,734</b>
Average retail contracted sales price (\$NZ/MWh)	\$109.9	\$106.0	\$123.2	\$124.0	\$120.0	\$115.8
NZAS sales volume (GWh)	426	426	411	426	1,688	1,688
Financial contract sales volumes (GWh)	374	126	234	297	1,102	639
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$62.3	\$69.4	\$65.1	\$78.4	\$69.6	\$74.2
Retail customer supply volumes (GWh)	764	755	752	795	3,127	2,872
Cost to supply retail customers (\$NZ/MWh)	\$74.6	\$126.9	\$91.0	\$165.3	\$131.8	\$137.9
Cost to supply wholesale customers (\$NZ/MWh)	\$51.2	\$95.8	\$62.6	\$115.9	\$98.4	\$117.8
Cost of financial contracts (\$NZ/MWh)	\$66.0	\$110.8	\$104.8	\$137.5	\$110.3	\$126.3
Total New Zealand customer connections	355,760	329,710	354,810	353,357		

# New Zealand

	OCTOBER 2021 MONTH	OCTOBER 2020 MONTH	SEPTEMBER 2021 MONTH	AUGUST 2021 MONTH	4 MONTHS TO OCTOBER 2021	4 MONTHS TO OCTOBER 2020
<b>New Zealand generation</b>						
Hydro generation volume (GWh)	1,150	1,066	1,110	1,019	4,280	3,824
Wind generation volume (GWh)	111	126	135	129	480	511
<b>Total generation volume (GWh)</b>	<b>1,260</b>	<b>1,192</b>	<b>1,245</b>	<b>1,149</b>	<b>4,760</b>	<b>4,335</b>
Average generation price (\$NZ/MWh)	\$57.1	\$107.7	\$75.8	\$136.1	\$106.4	\$121.3
<b>New Zealand hedging</b>						
Hedging volume (GWh)	327	241	255	325	1,301	1,094
Hedging cost average price (\$NZ/MWh)	\$93.6	\$96.2	\$117.7	\$121.5	\$116.2	\$103.3
Hedging spot revenue average price (\$NZ/MWh)	\$74.4	\$114.4	\$115.6	\$140.7	\$126.2	\$126.7
Future contract close outs (\$NZm)	-\$0.9	\$0.6	\$0.2	\$0.1	-\$1.4	-\$5.9

# Australia

	OCTOBER 2021 MONTH	OCTOBER 2020 MONTH	SEPTEMBER 2021 MONTH	AUGUST 2021 MONTH	4 MONTHS TO OCTOBER 2021	4 MONTHS TO OCTOBER 2020
<b>Australian contracted sales</b>						
Retail contracted electricity sales volume (GWh)	68	61	71	84	315	294
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$102.1	\$140.0	\$91.4	\$86.4	\$109.9	\$141.8
Retail contracted gas sales volume (TJ)	149	142	197	261	908	891
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$19.4	\$15.5	\$13.5	\$15.9	\$17.0	\$13.3
Financial contract sales volumes <sup>2</sup> (GWh)	55	42	38	22	138	131
Financial contracted sales average price (\$A/MWh)	\$53.3	\$66.8	\$54.3	\$47.9	\$51.8	\$66.6
Cost to supply electricity customers (\$A/MWh)	\$64.3	\$73.1	\$70.5	\$82.0	\$96.4	\$75.9
Cost to supply gas customers (\$A/GJ)	\$11.8	\$13.4	\$11.7	\$12.0	\$12.4	\$11.8
Cost of financial contracts (\$A/MWh)	\$46.4	\$52.2	\$40.6	\$50.8	\$54.6	\$50.1
Powershop electricity customer connections <sup>7</sup>	145,738	139,162	143,976	141,723		
Powershop gas customer connections <sup>8</sup>	46,588	39,540	45,702	44,805		

# Australia

	OCTOBER 2021 MONTH	OCTOBER 2020 MONTH	SEPTEMBER 2021 MONTH	AUGUST 2021 MONTH	4 MONTHS TO OCTOBER 2021	4 MONTHS TO OCTOBER 2020
<b>Australian generation</b>						
Wind generation volumes (GWh)	37	44	47	54	207	195
Average wind generation price <sup>5</sup> (\$A/MWh)	\$45.0	\$67.8	\$51.7	\$64.0	\$67.3	\$79.3
Hydro generation volumes (GWh)	44	14	38	23	121	32
Average hydro generation price <sup>5</sup> (\$A/MWh)	\$65.2	\$51.4	\$63.5	\$83.6	\$79.9	\$46.0
PPA generation received (GWh)	23	30	32	36	132	128
Average PPA generation price [net of costs] (\$A/MWh)	\$1.9	-\$2.2	-\$1.9	\$3.4	\$10.4	-\$5.6
<b>Australian hedging</b>						
Hedging volume <sup>6</sup> (GWh)	24	13	35	40	132	127
Hedging costs (\$A/MWh)	\$129.4	\$204.9	\$97.3	\$92.1	\$99.0	\$83.9
Hedging spot revenue average price (\$A/MWh)	\$95.6	\$149.6	\$69.9	\$83.6	\$100.9	\$50.4
Future contract close outs (\$Am)	\$0.0	\$0.0	\$0.0	\$0.0	-\$0.1	-\$0.3

# Meridian group

	OCTOBER 2021 MONTH	OCTOBER 2020 MONTH	SEPTEMBER 2021 MONTH	AUGUST 2021 MONTH	4 MONTHS TO OCTOBER 2021	4 MONTHS TO OCTOBER 2020
<b>Meridian Group</b>						
Employee and Operating Costs <sup>9</sup> (\$m)	23	21	22	22	87	83
Stay in Business Capital Expenditure (\$m)	1	4	4	3	11	15
Investment Capital Expenditure (\$m)	15	3	25	5	53	15
<b>Total Capital Expenditure (\$m)</b>	<b>16</b>	<b>7</b>	<b>29</b>	<b>8</b>	<b>64</b>	<b>30</b>

## Footnotes

- Contracted sales volumes and volume weighted average price received from contracted customers less distribution costs
- Derivatives sold excluding the sell-side of virtual asset swaps
- Average price of both NZAS sales volume and derivative sales volumes
- Meridian Retail and Powershop New Zealand installation control points (ICPs), excluding vacants
- Volume weighted average price received for Meridian's physical generation
- Over the counter and ASX contract volumes excluding the buy-side of virtual asset swaps
- Financially responsible market participants, excluding vacants
- Meter installation registration numbers
- Excludes electricity metering expenses, now reclassified into gross margin

# FY22 operating information

	Jul 2021	Aug 2021	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022	Mar 2022	Apr 2022	May 2022	Jun 2022	Q1 FY22	YoY change	Q2 FY22	YoY change	Q3 FY22	YoY change	Q4 FY22	YoY change
<b>New Zealand contracted sales</b>																				
Residential sales volume (GWh)	205	195	172	148									572	+70						
Small medium business sales volume (GWh)	149	127	120	117									396	+71						
Agricultural sales volume (GWh)	51	68	83	105									202	-3						
Large business sales volume (GWh)	49	47	43	43									140	-16						
Corporate and industrial sales volume (GWh)	321	322	297	302									940	+111						
<b>Retail contracted sales volume (GWh)</b>	<b>776</b>	<b>759</b>	<b>715</b>	<b>716</b>									<b>2,250</b>	<b>+233</b>						
Average retail contracted sales price (\$NZ/MWh)	\$122.6	\$124.0	\$123.2	\$109.9									\$123.2	+\$4.0						
NZAS sales volume (GWh)	426	426	411	426									1,262	+0						
Financial contract sales volumes (GWh)	197	297	234	374									728	+214						
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$73.2	\$78.4	\$65.1	\$62.3									\$72.5	-\$3.3						
Retail customer supply volumes (GWh)	816	795	752	764									2,363	+246						
Cost to supply retail customers (\$NZ/MWh)	\$190.3	\$165.3	\$91.0	\$74.6									\$150.3	+\$8.4						
Cost to supply wholesale customers (\$NZ/MWh)	\$162.7	\$115.9	\$62.6	\$51.2									\$114.3	-\$10.9						
Cost of financial contracts (\$NZ/MWh)	\$159.9	\$137.5	\$104.8	\$66.0									\$133.0	+\$2.9						
Total New Zealand customer connections	350,961	353,357	354,810	355,760									354,810	+26,208						
<b>New Zealand generation</b>																				
Hydro generation volume (GWh)	1,000	1,020	1,110	1,150									3,130	+372						
Wind generation volume (GWh)	105	129	135	111									370	-16						
<b>Total generation volume (GWh)</b>	<b>1,105</b>	<b>1,149</b>	<b>1,245</b>	<b>1,260</b>									<b>3,499</b>	<b>+356</b>						
Average generation price (\$NZ/MWh)	\$166.2	\$136.1	\$75.8	\$57.1									\$124.1	-\$2.3						
<b>New Zealand hedging</b>																				
Hedging volume (GWh)	394	325	255	327									975	+122						
Hedging cost average price (\$NZ/MWh)	\$129.6	\$121.5	\$117.7	\$93.6									\$123.8	+\$18.5						
Hedging spot revenue average price (\$NZ/MWh)	\$164.1	\$140.7	\$115.6	\$74.4									\$143.6	+\$13.4						
Future contract close outs (\$NZm)	-0.7	0.1	0.2	-0.9									-0.5	+5.9						
<b>Australia contracted sales</b>																				
Retail contracted electricity sales volume (GWh)	93	84	71	68									248	+14						
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$150.9	\$86.4	\$91.4	\$102.1									\$112.0	-\$30.3						
Retail contracted gas sales volume (TJ)	302	261	197	149									759	+11						
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$19.1	\$15.9	\$13.5	\$19.4									\$16.6	+\$5.1						
Financial contract sales volumes <sup>2</sup> (GWh)	22	22	38	55									83	-5						
Financial contracted sales average price (\$A/MWh)	\$47.9	\$47.9	\$54.3	\$53.3									\$50.8	-\$15.7						
Cost to supply electricity customers (\$A/MWh)	\$152.6	\$82.0	\$70.5	\$64.3									\$105.2	+\$28.6						
Cost to supply gas customers (\$A/GJ)	\$13.5	\$12.0	\$11.7	\$11.8									\$12.5	+\$1.0						
Cost of financial contracts (\$A/MWh)	\$102.7	\$50.8	\$40.6	\$46.4									\$60.1	+\$11.0						
Powershop electricity customer connections <sup>7</sup>	141,149	141,723	143,976	145,738									143,976	+5,687						
Powershop gas customer connections <sup>8</sup>	44,272	44,805	45,702	46,588									45,702	+6,451						
<b>Australia generation</b>																				
Wind generation volume (GWh)	68	54	47	37									170	+18						
Average wind generation price (\$A/MWh)	\$92.6	\$64.0	\$51.7	\$45.0									\$72.1	-\$10.5						
Hydro generation volume (GWh)	16	23	38	44									77	+58						
Average hydro generation price (\$A/MWh)	\$152.5	\$83.6	\$63.5	\$65.2									\$88.4	+\$46.5						
PPA generation received (GWh)	41	36	32	23									109	+11						
Average PPA generation price [net of costs] (\$A/MWh)	\$30.9	\$3.4	-\$1.9	\$1.9									\$12.2	+\$18.9						
<b>Australia hedging</b>																				
Hedging volume (GWh)	33	40	35	24									108	-7						
Hedging costs (\$A/MWh)	\$87.2	\$92.1	\$97.3	\$129.4									-\$92.3	-\$162.9						
Hedging spot revenue average price (\$A/MWh)	\$159.4	\$83.6	\$69.9	\$95.6									\$102.1	+\$62.5						
Future contract close outs (\$A M)	\$0.0	\$0.0	\$0.0	\$0.0									\$0.0	+\$0.2						
<b>Meridian Group</b>																				
Employee and Operating Costs (\$NZ m)	20	22	22	23									64	+2						
Stay in Business Capital Expenditure (\$NZ m)	3	3	4	1									10	-0						
Investment Capital Expenditure (\$NZ m)	9	5	24	15									38	+25						
<b>Total Capital Expenditure (\$NZ m)</b>	<b>12</b>	<b>8</b>	<b>29</b>	<b>16</b>									<b>48</b>	<b>+25</b>						



# FY21 operating information

	Jul 2020	Aug 2020	Sep 2020	Oct 2020	Nov 2020	Dec 2020	Jan 2021	Feb 2021	Mar 2021	Apr 2021	May 2021	Jun 2021	Q1 FY21	YoY change	Q2 FY21	YoY change	Q3 FY21	YoY change	Q4 FY21	YoY change
<b>New Zealand contracted sales</b>																				
Residential sales volume (GWh)	186	171	146	127	111	107	101	93	108	121	160	174	503	+31	345	+16	302	+2	455	+9
Small medium business sales volume (GWh)	113	107	105	104	96	99	96	93	111	109	126	134	325	+34	299	+44	300	+39	369	+130
Agricultural sales volume (GWh)	47	72	87	157	142	170	154	177	145	116	66	43	205	+22	469	+60	476	-18	226	+46
Large business sales volume (GWh)	55	52	48	46	44	44	44	46	40	37	44	45	155	+26	134	+14	130	+12	126	+7
Corporate and industrial sales volume (GWh)	282	275	272	283	284	287	288	311	334	311	339	319	829	+93	855	+117	933	+127	968	+408
<b>Retail contracted sales volume (GWh)</b>	<b>683</b>	<b>677</b>	<b>657</b>	<b>717</b>	<b>678</b>	<b>707</b>	<b>683</b>	<b>721</b>	<b>738</b>	<b>694</b>	<b>736</b>	<b>715</b>	<b>2,017</b>	<b>+206</b>	<b>2,102</b>	<b>+252</b>	<b>2,141</b>	<b>+163</b>	<b>2,144</b>	<b>+215</b>
Average retail contracted sales price (\$NZ/MWh)	\$120.4	\$119.3	\$118.1	\$106.0	\$103.1	\$104.2	\$104.1	\$108.7	\$107.5	\$114.7	\$123.2	\$118.9	\$119.3	+\$6.3	\$104.5	+\$3.6	\$106.8	-\$0.1	\$119.0	+\$8.0
NZAS sales volume (GWh)	426	426	411	426	412	426	426	384	426	412	426	412	1,262	-110	1,263	-110	1,236	-123	1,250	-77
Financial contract sales volumes (GWh)	188	125	201	126	221	140	144	126	197	167	143	129	514	+40	487	+59	467	-339	439	+380
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$82.0	\$70.4	\$74.2	\$69.4	\$69.9	\$66.8	\$59.6	\$58.0	\$69.8	\$76.8	\$75.2	\$74.1	\$75.7	+\$6.0	\$68.7	+\$3.9	\$62.9	-\$4.4	\$75.4	+\$9.8
Retail customer supply volumes (GWh)	704	717	696	755	717	743	719	757	768	718	782	753	2,117	+229	2,215	+274	2,244	+163	2,253	+432
Cost to supply retail customers (\$NZ/MWh)	\$165.1	\$120.6	\$140.3	\$126.9	\$101.0	\$118.8	\$143.9	\$256.7	\$265.1	\$285.5	\$301.9	\$272.2	\$141.9	+\$16.8	\$115.8	+\$16.6	\$223.4	+\$146.1	\$286.7	+\$178.7
Cost to supply wholesale customers (\$NZ/MWh)	\$143.8	\$109.6	\$122.2	\$95.8	\$76.3	\$109.2	\$132.6	\$244.8	\$260.3	\$277.8	\$274.2	\$242.5	\$125.2	+\$10.5	\$94.0	+\$9.5	\$211.5	+\$158.5	\$264.9	+\$162.2
Cost of financial contracts (\$NZ/MWh)	\$143.7	\$113.1	\$127.8	\$110.8	\$92.3	\$119.1	\$139.1	\$234.0	\$204.8	\$266.4	\$291.8	\$228.2	\$130.0	+\$16.3	\$104.7	+\$10.2	\$192.5	+\$137.7	\$263.5	+\$166.4
Total New Zealand customer connections	326,148	327,125	328,602	329,710	331,240	332,587	333,367	335,580	338,051	340,178	343,015	346,830	328,602	+19,230	332,587	+18,988	338,051	+18,273	346,830	+22,577
<b>New Zealand generation</b>																				
Hydro generation volume (GWh)	975	904	879	1,066	1,054	1,034	874	868	974	867	900	903	2,758	-474	3,153	-22	2,716	-542	2,670	-423
Wind generation volume (GWh)	115	113	158	126	125	128	117	83	87	116	116	111	385	+8	379	-22	287	-52	344	-4
<b>Total generation volume (GWh)</b>	<b>1,089</b>	<b>1,017</b>	<b>1,037</b>	<b>1,192</b>	<b>1,179</b>	<b>1,162</b>	<b>991</b>	<b>951</b>	<b>1,061</b>	<b>983</b>	<b>1,016</b>	<b>1,015</b>	<b>3,144</b>	<b>-466</b>	<b>3,533</b>	<b>-44</b>	<b>3,003</b>	<b>-593</b>	<b>3,014</b>	<b>-427</b>
Average generation price (\$NZ/MWh)	\$144.5	\$110.1	\$123.7	\$107.7	\$86.5	\$109.3	\$134.5	\$242.1	\$253.8	\$272.5	\$283.4	\$247.5	\$126.5	+\$11.5	\$101.2	+\$13.8	\$210.7	+\$153.0	\$267.8	+\$171.5
<b>New Zealand hedging</b>																				
Hedging volume (GWh)	318	266	268	241	314	308	312	345	431	348	372	360	852	+436	863	+389	1,088	+23	1,079	+305
Hedging cost average price (\$NZ/MWh)	\$109.3	\$104.6	\$101.2	\$96.2	\$93.6	\$93.2	\$98.5	\$115.6	\$127.0	\$110.3	\$116.7	\$119.0	\$105.3	+\$41.8	\$94.2	+\$28.9	\$115.2	+\$13.5	\$115.4	+\$35.9
Hedging spot revenue average price (\$NZ/MWh)	\$133.4	\$123.8	\$132.6	\$114.4	\$94.0	\$121.9	\$136.8	\$235.0	\$219.0	\$260.2	\$285.0	\$237.6	\$130.2	+\$10.9	\$109.7	+\$15.6	\$358.8	+\$282.9	\$261.2	+\$161.3
Future contract close outs (\$NZm)	-1.6	-1.9	-2.9	0.6	-2.9	-1.3	-1.5	-4.5	-3.6	-1.6	-2.1	9.7	-6.4	-4.2	-3.7	-1.1	-9.7	-9.1	\$6.0	\$14.6
<b>Australia contracted sales</b>																				
Retail contracted electricity sales volume (GWh)	85	83	66	61	55	56	57	53	58	59	72	81	234	+49	171	+26	168	+13	212	+13
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$142.7	\$137.7	\$146.3	\$140.0	\$144.9	\$132.2	\$131.8	\$129.7	\$124.1	\$127.2	\$132.7	\$130.3	\$142.3	-\$1.0	\$139.0	-\$28.5	\$128.5	-\$12.2	\$130.2	-\$9.4
Retail contracted gas sales volume (TJ)	312	280	157	142	52	48	31	31	42	116	213	287	749	+210	242	+8	104	-7	616	+8
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$14.7	\$11.5	\$12.0	\$15.5	\$22.2	\$23.3	\$29.8	\$28.0	\$24.2	\$13.0	\$14.8	\$14.4	\$11.5	-\$0.8	\$18.5	+\$1.9	\$27.0	+\$4.2	\$14.3	+\$0.6
Financial contract sales volumes <sup>2</sup> (GWh)	26	33	29	42	41	40	42	38	42	17	17	17	88	-69	124	-73	121	-14	50	+5
Financial contracted sales average price (\$A/MWh)	\$67.6	\$65.7	\$66.5	\$66.8	\$66.8	\$66.4	\$86.4	\$86.4	\$86.4	\$49.8	\$49.8	\$49.8	\$66.5	-\$20.1	\$66.7	-\$13.1	\$86.4	-\$35.6	\$49.8	-\$36.2
Cost to supply electricity customers (\$A/MWh)	\$79.5	\$85.5	\$61.3	\$73.1	\$77.5	\$20.8	\$53.2	\$48.0	\$56.8	\$76.7	\$147.6	\$187.1	\$76.6	-\$40.2	\$57.5	-\$39.6	\$52.8	-\$87.2	\$143.0	+\$74.6
Cost to supply gas customers (\$A/GJ)	\$10.1	\$11.3	\$14.6	\$13.4	\$12.7	\$19.9	\$22.8	\$17.7	\$17.8	\$10.7	\$11.3	\$10.5	\$11.5	+\$0.5	\$14.5	+\$4.2	\$19.3	-\$2.0	\$10.8	-\$1.0
Cost of financial contracts (\$A/MWh)	\$56.7	\$53.5	\$37.0	\$52.2	\$54.4	\$50.0	\$33.2	\$30.2	\$39.1	\$52.8	\$92.3	\$118.4	\$49.1	-\$48.1	\$52.2	-\$23.2	\$34.3	-\$45.2	\$87.9	+\$36.8
Powershop electricity customer connections <sup>7</sup>	136,696	137,530	138,289	139,162	140,346	140,965	141,203	141,643	141,998	142,086	142,470	142,029	138,289	+23,190	140,965	+16,297	141,998	+7,599	142,029	+5,827
Powershop gas customer connections <sup>8</sup>	38,544	38,978	39,251	39,540	40,380	40,814	41,247	41,884	42,728	43,092	43,707	43,905	39,251	+12,722	40,814	+10,349	42,728	+7,336	43,905	+6,027
<b>Australia generation</b>																				
Wind generation volume (GWh)	34	60	57	44	41	43	39	31	27	30	48	49	151	-10	127	-2	97	-11	126	-4
Average wind generation price (\$A/MWh)	\$90.3	\$90.4	\$69.6	\$67.8	\$75.0	\$54.8	\$52.7	-\$54.4	\$58.9	\$63.2	\$75.3	\$100.3	\$82.6	-\$39.4	\$65.7	-\$47.1	\$20.4	-\$224.6	\$82.1	+\$18.0
Hydro generation volume (GWh)	0	4	14	12	41	40	41	24	24	28	5	3	19	-11	94	+46	89	+58	36	+31
Average hydro generation price (\$A/MWh)	-	\$51.7	\$39.0	\$59.0	\$72.6	\$86.3	\$37.6	\$33.3	\$43.7	\$68.2	\$65.1	\$124.2	\$41.9	-\$56.3	\$75.3	-\$2.4	\$38.0	-\$57.3	\$72.7	+\$32.3
PPA generation received (GWh)	27	37	34	30	27	29	28	24	25	25	30	31	98	-5	86	-4	78	-9	86	-5
Average PPA generation price [net of costs] (\$A/MWh)	-\$1.6	-\$3.4	-\$14.4	-\$2.2	-\$1.1	-\$10.7	-\$15.8	-\$18.2	-\$13.4	\$0.6	\$19.2	\$39.8	-\$6.7	-\$37.0	-\$4.7	-\$28.2	-\$15.8	-\$32.7	\$21.2	+\$33.6
<b>Australia hedging</b>																				
Hedging volume (GWh)	35	42	37	13	20	16	9	15	13	23	38	30	115	+4	49	-99	37	-88	92	-26
Hedging costs (\$A/MWh)	\$48.4	\$78.3	\$82.6	\$204.9	\$176.2	\$99.7	\$482.6	\$266.8	\$266.6	\$180.3	\$62.4	\$71.5	\$70.6	-\$26.7	\$157.9	+\$56.7	\$319.2	+\$194.4	\$95.0	+\$28.1
Hedging spot revenue average price (\$A/MWh)	\$18.6	\$55.8	\$40.6	\$149.6	\$71.6	\$69.7	\$109.7	\$82.2	\$50.4	\$186.2	\$156.6	\$230.9	\$39.6	-\$66.0	\$91.3	+\$11.7	\$77.9	-\$2.2	\$188.5	+\$143.6
Future contract close outs (\$A m)	-\$0.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	-\$0.3	-\$0.7	\$0.0	\$0.0	-\$0.1	\$0.0	-\$0.3	-\$0.4	-\$0.1	-\$0.7	-\$0.9	-\$1.2	-\$0.1	-\$1.7
<b>Meridian Group</b>																				
Employee and Operating Costs (\$NZ m)	20	21	21	21	22	21	18	21	22	22	24	31	62	-2	64	+2	61	-0	77	+7
Stay in Business Capital Expenditure (\$NZ m)	3	4	4	4	3	3	3	3	4	4	4	6	10	-1	10	-2	10	-0	14	+2
Investment Capital Expenditure (\$NZ m)	7	3	3	2	2	3	2	3	34	4	5	4	13	+8	7	+3	39	+34	13	+8
<b>Total Capital Expenditure (\$NZ m)</b>	<b>10</b>	<b>7</b>	<b>7</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>38</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>23</b>	<b>+7</b>	<b>17</b>	<b>+1</b>	<b>49</b>	<b>+34</b>	<b>27</b>	<b>+10</b>

# 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 <a href="http://www.emi.ea.govt.nz">www.emi.ea.govt.nz</a>
NEM	Australia's national energy market, comprising Queensland, New South Wales (including the Australian Capital Territory), Victoria, South Australia, and Tasmania
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