



Meridian.

# Monthly Operating Report

October 2024

## October highlights

In the month to 11 November 2024, national hydro storage increased from **115%** to **139%** of historical average

South Island storage increased to **145%** of average and North Island storage increased to **116%** of average by 11 November 2024

Meridian's October 2024 monthly total inflows were **128%** of historical average

Waiau catchment inflows in October 2024 were **122%** of historical average

Meridian's Waitaki catchment water storage at the end of October 2024 was **129%** of historical average

Snow storage in Meridian's Waitaki catchment was **109%** of average in late October

Water storage in Meridian's Waiau catchment was **130%** of average at the end of October 2024

October 2024 was a mild month overall, with temperatures above normal or near normal for both islands. Rainfall was above normal for much of the South Island

National electricity demand in October 2024 was **-4.4%** lower than the same month last year

New Zealand Aluminium Smelter's average load during October 2024 was **417MW**

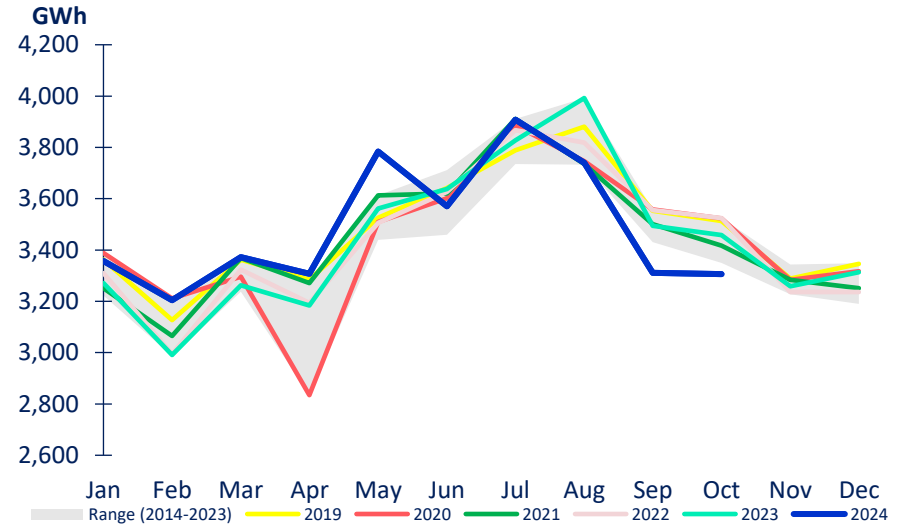
Meridian's retail sales volumes in October 2024 were **-0.6%** lower than October 2023

Compared to October 2023, segment sales increased in large business +20.5%, with decreases in residential -0.5%, small medium business -0.4%, agricultural -3.5% and corporate -3.0%

## Market data

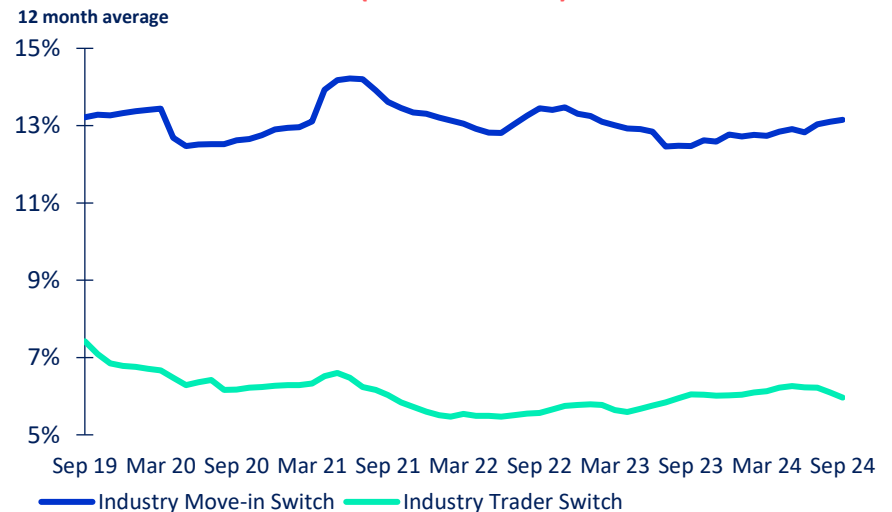
- National electricity demand in October 2024 was -4.4% lower than the same month last year
- New Zealand Aluminium Smelter's average load during October 2024 was 417MW
- October 2024 was a mild month overall, with temperatures above normal or near normal for both islands. Rainfall was above normal for much of the South Island
- Demand in the last 12 months was +0.7% higher than the preceding 12 months
- 12-month average switching rate of customers changing retailers but not moving ("trader" switch) was 6.0% at the end of September 2024
- 12-month average switching rate of customers moving and changing retailers ("move-in" switch) was 13.2% at the end of September 2024

### NATIONAL DEMAND



Source: Electricity Authority (reconciled demand)

### MARKET ICP SWITCHING (ALL RETAILERS)

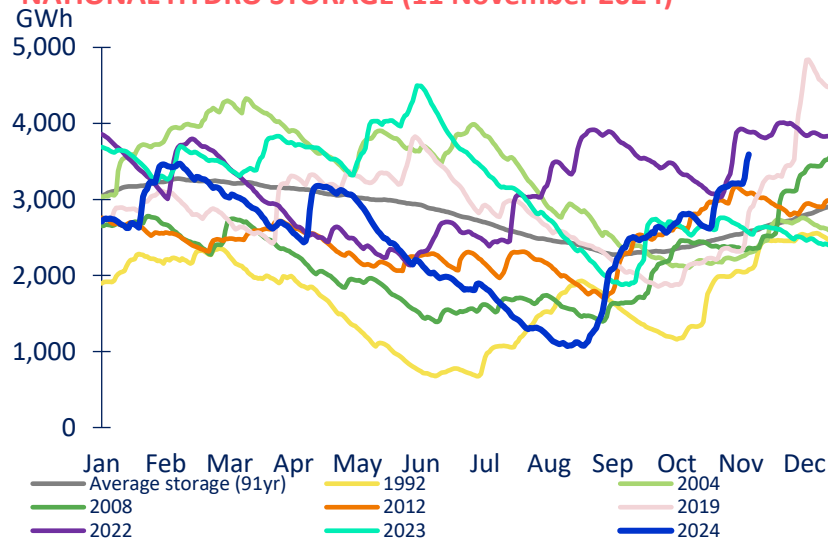


Source: Electricity Authority

## Market data

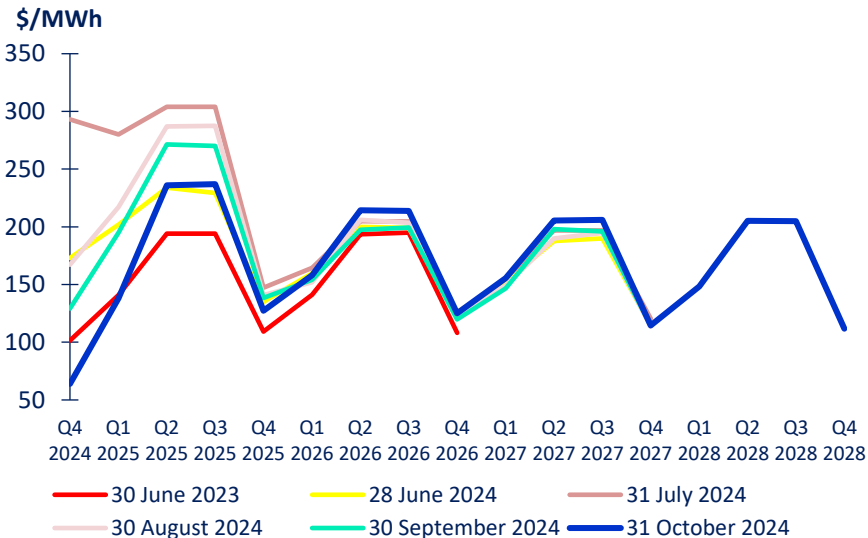
- October 2024 saw decreases in the 2024 and 2025 ASX electricity futures prices
- National storage increased from 115% of average on 7 October 2024 to 139% of average on 11 November 2024
- South Island storage increased to 145% of historical average by 11 November 2024. North Island storage increased to 116% of average

### NATIONAL HYDRO STORAGE (11 November 2024)



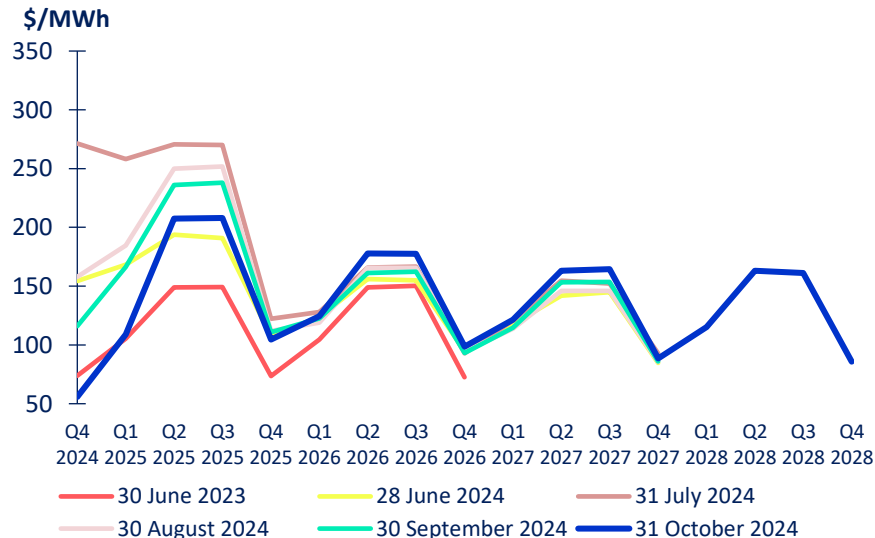
Source: NZX

### OTAHUHU ASX FUTURES SETTLEMENT PRICE



Source: ASX

### BENMORE ASX FUTURES SETTLEMENT PRICE

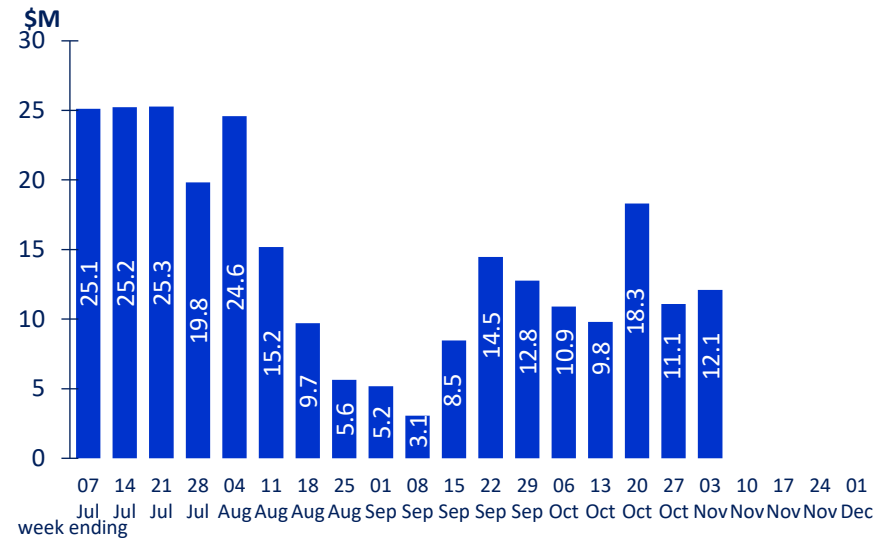


Source: ASX

# Market data

- Since July 2024 the Electricity Authority has begun reporting “Energy Margin” from information provided by six generators
- This excludes operational costs such as staffing, maintenance, debt servicing, depreciation and levies
- Information provided by Meridian has not been assured or audited by the company’s auditors and is different to and not intended to replace information Meridian reports in its financial statements and operating reports

MERIDIAN ELECTRICITY AUTHORITY REPORTED MARGIN



Source: Meridian, Electricity Authority

Meridian Electricity Authority Reported Margin

	<u>Wholesale generation revenue</u>	<u>Ancillary market revenue</u>	<u>Other generation revenue</u>	<u>Spot electricity costs</u>	<u>Total</u>
<u>Week ending</u>					
06 Oct	16.4	0.1	9.5	-15.1	10.9
13 Oct	7.5	0.1	9.4	-7.2	9.8
20 Oct	23.1	0.1	16.4	-21.3	18.3
27 Oct	7.8	0.1	10.3	-7.1	11.1

See: <https://public.tableau.com/app/profile/electricity.authority/viz/Energymargin/Energymargin>

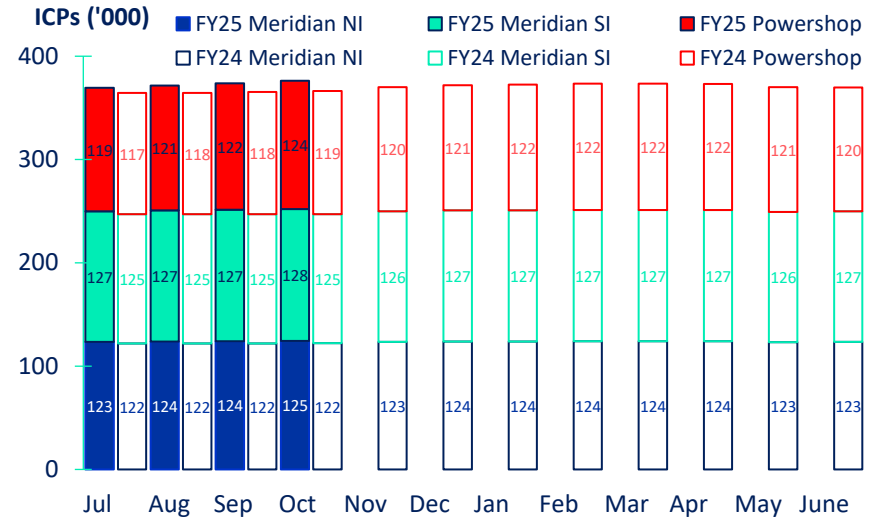
Source: Meridian, Electricity Authority

# Meridian retail

- Meridian’s customer connection numbers increased +0.7% during October 2024 and have increased +2.7% since October 2023
- Retail sales volumes in October 2024 were -0.6% lower than October 2023
- Compared to October 2023, segment sales increased in large business +20.5%, with decreases in residential -0.5%, small medium business -0.4%, agricultural -3.5% and corporate -3.0%
- To date this financial year, retail sales volumes are -2.9% lower than the same period last year
- This reflects increased segment sales in large business +8.5%, with decreases in residential -0.9%, small medium business -0.3%, agricultural -6.6% and corporate -6.0%

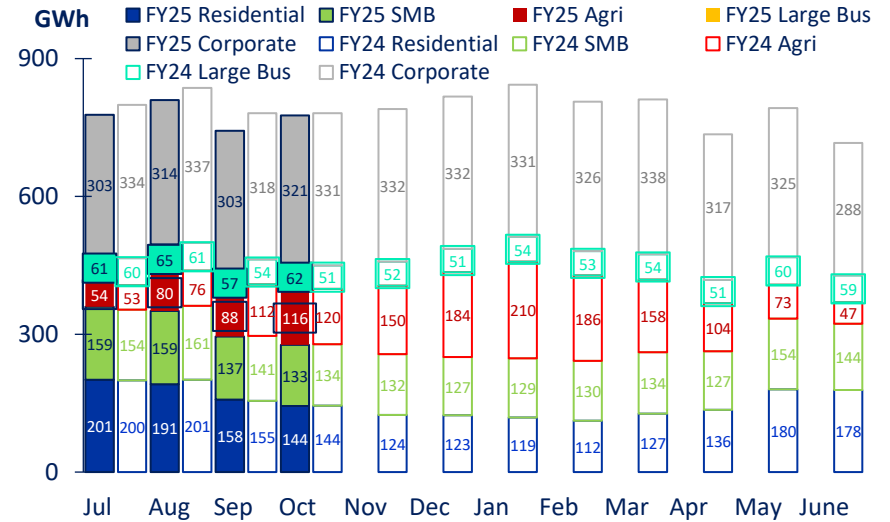
\*excludes volumes sold to New Zealand Aluminium Smelters and CFDs

## MERIDIAN'S CUSTOMER CONNECTIONS



Source: Meridian

## MERIDIAN'S RETAIL SALES VOLUME\*

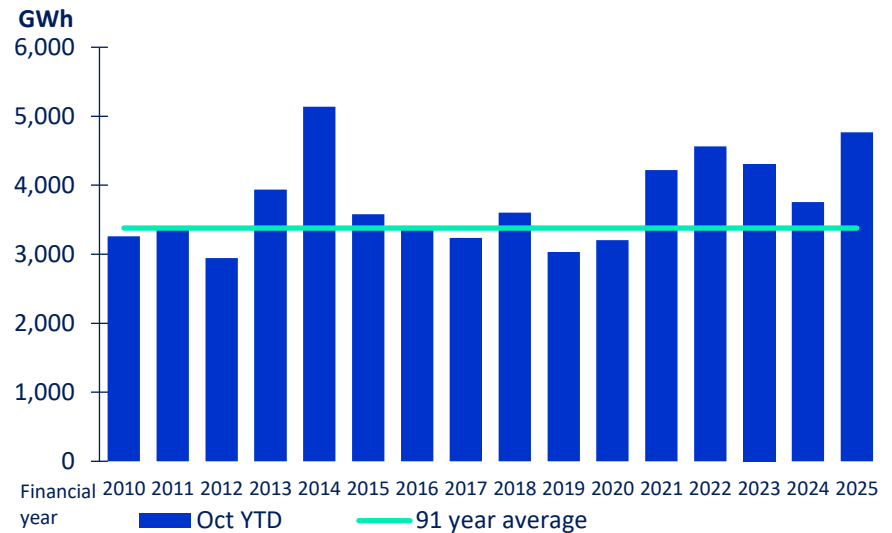


Source: Meridian

## Meridian inflows and storage

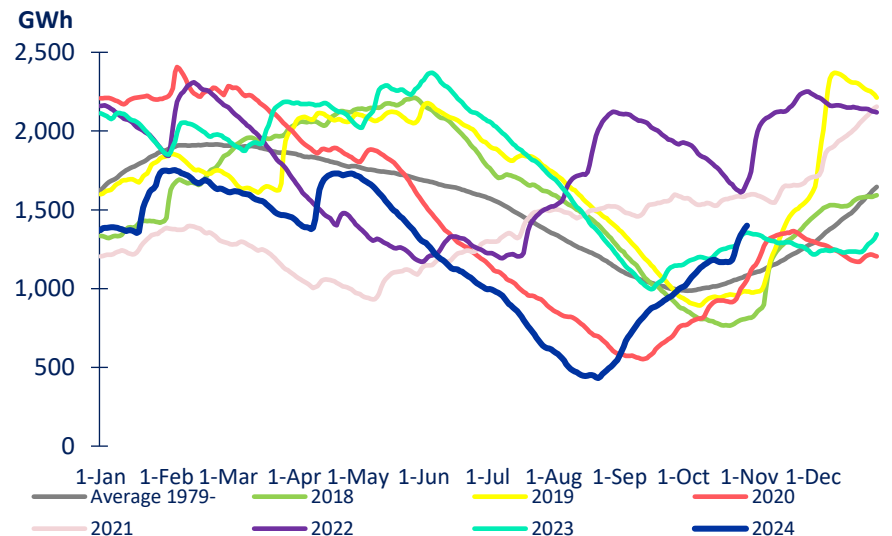
- October 2024 monthly inflows were 128% of historical average
- Waiau catchment inflows in October 2024 were 122% of historical average, 26% higher than the same month last year
- To date this financial year, inflows are 141.0% of historical average
- Meridian's Waitaki catchment water storage moved from 1,006GWh to 1,399GWh during October 2024
- Waitaki water storage at the end of October 2024 was 129% of historical average and 3% higher than the same time last year
- Snow storage in Meridian's Waitaki catchment was 109% of average in late October
- Water storage in Meridian's Waiau catchment was 130% of average at the end of October 2024

### MERIDIAN'S COMBINED CATCHMENT INFLOWS



Source: Meridian

### MERIDIAN'S WAITAKI STORAGE



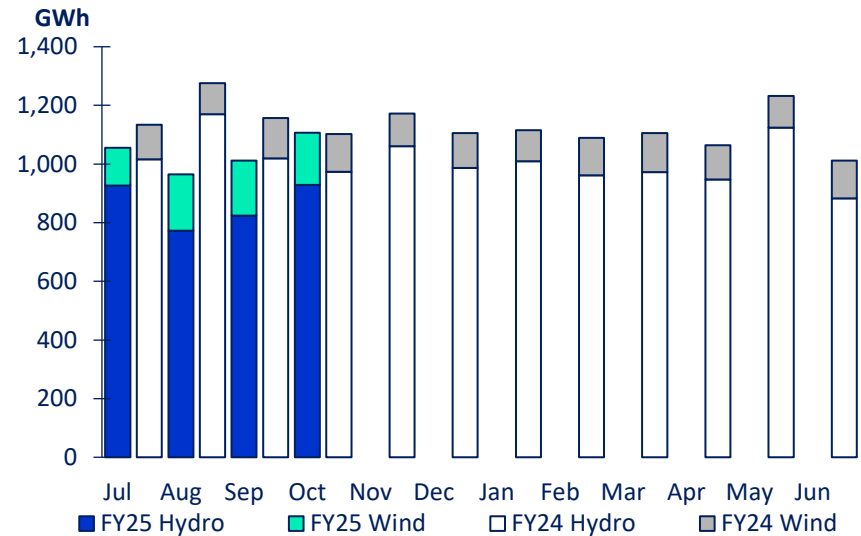
Source: Meridian

Weekly lake storage updates are available on Meridian's website. See comparative lake levels at: [www.meridianenergy.co.nz/power-stations/lake-levels](http://www.meridianenergy.co.nz/power-stations/lake-levels)

# Meridian generation

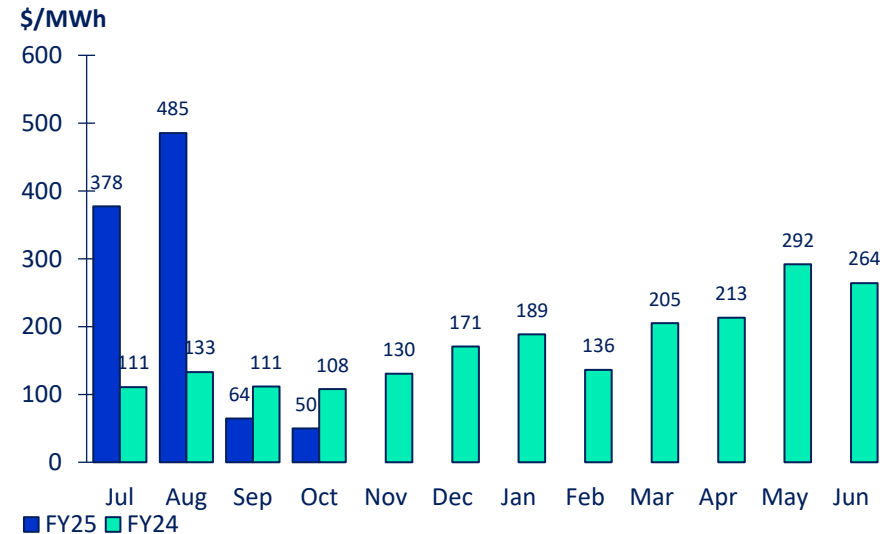
- Meridian’s generation in October 2024 was +0.5% higher than the same month last year, reflecting lower hydro generation and higher wind generation
- To date this financial year, Meridian’s generation is 11.3% lower than the same period last year, reflecting lower hydro generation and higher wind generation
- The average price Meridian received for its generation in October 2024 was -53.8% lower than the same month last year
- The average price Meridian paid to supply customers in October 2024 was -35.2% lower than the same month last year
- To date this financial year, the average price Meridian received for its generation is 105.1% higher than the same period last year and the average price paid to supply customers is 117.6% higher

## MERIDIAN'S GENERATION



Source: Meridian

## MERIDIAN'S AVERAGE GENERATION PRICE\*



\*price received for Meridian’s physical generation

Source: Meridian



# Monthly operating information

	OCTOBER 2024 MONTH	OCTOBER 2023 MONTH	SEPTEMBER 2024 MONTH	AUGUST 2024 MONTH	4 MONTHS TO OCTOBER 2024	4 MONTHS TO OCTOBER 2023
<b>New Zealand contracted sales</b>						
Residential sales volume (GWh)	144	144	158	191	693	700
Small medium business sales volume (GWh)	133	134	137	159	589	591
Agricultural sales volume (GWh)	116	120	88	80	337	361
Large business sales volume (GWh)	62	51	57	65	245	226
Corporate and industrial sales volume (GWh)	321	331	303	314	1,241	1,320
<b>Retail contracted sales volume (GWh)</b>	<b>776</b>	<b>781</b>	<b>743</b>	<b>810</b>	<b>3,106</b>	<b>3,198</b>
Average retail contracted sales price <sup>1</sup> (\$NZ/MWh)	\$136.9	\$131.5	\$161.6	\$162.9	\$156.0	\$145.2
NZAS sales volume (GWh)	265	426	233	261	1,086	1,688
Financial contract sales volumes <sup>2</sup> (GWh)	192	221	206	222	915	1,301
Average wholesale & financial contracts sales price <sup>3</sup> (\$NZ/MWh)	\$76.6	\$56.2	\$105.2	\$127.5	\$111.4	\$73.1
Retail customer supply volumes (GWh)	818	829	766	866	3,263	3,391
Cost to supply retail customers (\$NZ/MWh)	\$62.8	\$124.3	\$93.0	\$487.4	\$262.3	\$130.6
Cost to supply wholesale customers (\$NZ/MWh)	\$49.3	\$105.1	\$68.2	\$509.9	\$266.4	\$114.5
Cost of financial contracts (\$NZ/MWh)	\$63.5	\$105.8	\$91.1	\$494.8	\$274.9	\$117.2
Demand response payments (\$NZm)	-\$18.7	\$0.0	-\$25.0	-\$19.1	-\$67.4	\$0.0
Total New Zealand customer connections <sup>4</sup>	376,126	366,320	373,670	371,479		

See page 11 for footnotes

# Monthly operating information

	OCTOBER 2024 MONTH	OCTOBER 2023 MONTH	SEPTEMBER 2024 MONTH	AUGUST 2024 MONTH	4 MONTHS TO OCTOBER 2024	4 MONTHS TO OCTOBER 2023
<b>New Zealand generation</b>						
Hydro generation volume (GWh)	929	974	825	773	3,453	4,179
Wind generation volume (GWh)	179	128	187	192	687	490
<b>Total generation volume (GWh)</b>	<b>1,107</b>	<b>1,102</b>	<b>1,012</b>	<b>965</b>	<b>4,140</b>	<b>4,669</b>
Average generation price <sup>5</sup> (\$NZ/MWh)	\$49.8	\$107.8	\$63.8	\$483.8	\$237.6	\$116.3
<b>New Zealand hedging</b>						
Hedging volume <sup>6</sup> (GWh)	403	496	432	451	1,737	1,998
Hedging cost average price (\$NZ/MWh)	\$196.2	\$110.9	\$231.4	\$226.1	\$207.1	\$131.1
Hedging spot revenue average price (\$NZ/MWh)	\$61.2	\$123.7	\$79.1	\$451.9	\$241.2	\$124.0
Future contract close outs (\$NZm)	\$6.9	-\$0.7	\$2.3	-\$13.7	-\$17.4	\$17.9

See page 11 for footnotes

# Monthly operating information

	OCTOBER 2024 MONTH	OCTOBER 2023 MONTH	SEPTEMBER 2024 MONTH	AUGUST 2024 MONTH	4 MONTHS TO OCTOBER 2024	4 MONTHS TO OCTOBER 2023
<b>New Zealand costs</b>						
Employee and Operating Costs (\$m)	21	22	30	25	101	91
Stay in Business Capital Expenditure (\$m)	6	4	4	6	19	18
Investment Capital Expenditure (\$m)	12	16	11	9	45	66
<b>Total Capital Expenditure (\$m)</b>	<b>18</b>	<b>20</b>	<b>15</b>	<b>15</b>	<b>64</b>	<b>84</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

# FY25 operating information

	Jul 2024	Aug 2024	Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Q1 FY25	YoY change	Q2 FY25	YoY change	Q3 FY25	YoY change	Q4 FY25	YoY change
<b>New Zealand contracted sales</b>																				
Residential sales volume (GWh)	201	191	158	144									550	-5						
Small medium business sales volume (GWh)	159	159	137	133									456	-1						
Agricultural sales volume (GWh)	54	80	88	116									221	-20						
Large business sales volume (GWh)	61	65	57	62									183	+9						
Corporate and industrial sales volume (GWh)	303	314	303	321									920	-69						
<b>Retail contracted sales volume (GWh)</b>	<b>777</b>	<b>810</b>	<b>743</b>	<b>776</b>									<b>2,330</b>	<b>-87</b>						
Average retail contracted sales price (\$NZ/MWh)	\$162.4	\$162.9	\$161.6	\$136.9									\$162.3	+\$12.7						
NZAS sales volume (GWh)	327	261	233	265									821	-441						
Financial contract sales volumes (GWh)	295	222	206	192									723	-357						
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$128.9	\$127.5	\$105.2	\$76.6									\$121.7	+\$43.9						
Retail customer supply volumes (GWh)	813	866	766	818									2,444	-117						
Cost to supply retail customers (\$NZ/MWh)	\$382.7	\$487.4	\$93.0	\$62.8									\$329.0	+\$196.4						
Cost to supply wholesale customers (\$NZ/MWh)	\$388.9	\$509.9	\$68.2	\$49.3									\$336.4	+\$218.7						
Cost of financial contracts (\$NZ/MWh)	\$375.3	\$494.8	\$91.1	\$63.5									\$330.9	+\$211.4						
Demand response payments (\$NZm)	-\$4.7	-\$19.1	-\$25.0	-\$18.7									-\$48.7	-\$48.7						
Total New Zealand customer connections	369,376	371,479	373,670	376,126									373,670	+8,217						
<b>New Zealand generation</b>																				
Hydro generation volume (GWh)	927	773	825	929									2,524	-682						
Wind generation volume (GWh)	129	192	187	179									509	+147						
<b>Total generation volume (GWh)</b>	<b>1,056</b>	<b>965</b>	<b>1,012</b>	<b>1,107</b>									<b>3,033</b>	<b>-535</b>						
Average generation price (\$NZ/MWh)	\$376.2	\$483.8	\$63.8	\$49.8									\$306.2	+\$187.2						
<b>New Zealand hedging</b>																				
Hedging volume (GWh)	451	451	432	403									1,334	-168						
Hedging cost average price (\$NZ/MWh)	\$174.5	\$226.1	\$231.4	\$196.2									\$210.4	+\$72.6						
Hedging spot revenue average price (\$NZ/MWh)	\$346.6	\$451.9	\$79.1	\$61.2									\$295.5	+\$171.5						
Future contract close outs (\$NZm)	-\$13.0	-\$13.7	\$2.3	\$6.9									-\$24.4	-43.0						
<b>Meridian Group</b>																				
Employee and Operating Costs (\$NZ m)	26	25	30	21									\$80	+11						
Stay in Business Capital Expenditure (\$NZ m)	3	6	4	6									\$13	-0						
Investment Capital Expenditure (\$NZ m)	13	9	11	12									\$33	-17						
<b>Total Capital Expenditure (\$NZ m)</b>	<b>16</b>	<b>15</b>	<b>15</b>	<b>18</b>									<b>\$46</b>	<b>-18</b>						

# FY24 operating information

	Jul 2023	Aug 2023	Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Mar 2024	Apr 2024	May 2024	Jun 2024	Q1 FY24	YoY change	Q2 FY24	YoY change	Q3 FY24	YoY change	Q4 FY24	YoY change
<b>New Zealand contracted sales</b>																				
Residential sales volume (GWh)	200	201	155	144	124	123	119	112	127	136	180	178	555	-9	392	+2	358	+14	494	+27
Small medium business sales volume (GWh)	154	161	141	134	132	127	129	130	134	127	154	144	457	+9	393	-5	393	+18	425	+14
Agricultural sales volume (GWh)	53	76	112	120	150	184	210	186	158	104	73	47	241	+27	454	+29	554	+135	225	+34
Large business sales volume (GWh)	60	61	54	51	52	51	54	53	54	51	60	59	175	+2	155	+17	161	+17	170	+13
Corporate and industrial sales volume (GWh)	334	337	318	331	332	332	331	326	338	317	325	288	989	+19	995	+45	995	+1	930	-74
<b>Retail contracted sales volume (GWh)</b>	<b>800</b>	<b>836</b>	<b>781</b>	<b>781</b>	<b>790</b>	<b>818</b>	<b>843</b>	<b>806</b>	<b>811</b>	<b>735</b>	<b>793</b>	<b>717</b>	<b>2,417</b>	<b>+48</b>	<b>2,389</b>	<b>+88</b>	<b>2,461</b>	<b>+186</b>	<b>2,244</b>	<b>+15</b>
Average retail contracted sales price (\$NZ/MWh)	\$149.2	\$151.2	\$148.2	\$131.5	\$130.1	\$125.9	\$136.4	\$135.9	\$139.5	\$155.7	\$161.3	\$157.2	\$149.6	+\$15.5	\$129.1	+\$6.4	\$137.3	+\$7.9	\$158.1	+18
NZAS sales volume (GWh)	426	426	411	426	412	426	426	398	421	412	426	394	1,262	+1	1,263	+1	1,245	+9	1,232	-18
Financial contract sales volumes (GWh)	338	371	371	221	250	212	275	206	272	311	297	293	1,080	+433	683	-101	753	+76	901	-88
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$78.6	\$78.4	\$76.4	\$56.2	\$61.9	\$57.5	\$75.0	\$68.8	\$74.1	\$91.7	\$89.7	\$87.9	\$77.8	+\$18.9	\$58.5	+\$3.0	\$72.8	+\$4.1	\$89.8	+13
Retail customer supply volumes (GWh)	845	892	825	829	838	879	884	851	850	778	847	733	2,561	+61	2,546	+82	2,584	+188	2,359	+46
Cost to supply retail customers (\$NZ/MWh)	\$128.6	\$144.9	\$123.3	\$124.3	\$143.3	\$186.1	\$201.4	\$155.1	\$213.8	\$230.0	\$312.3	\$284.0	\$132.6	+\$57.9	\$151.9	+\$101.1	\$190.2	+\$45.1	\$276.3	+191
Cost to supply wholesale customers (\$NZ/MWh)	\$109.2	\$132.9	\$110.7	\$105.1	\$128.5	\$171.4	\$187.1	\$136.4	\$202.5	\$212.8	\$286.4	\$269.6	\$117.7	+\$55.0	\$135.0	+\$97.2	\$176.1	+\$36.1	\$256.4	+188
Cost of financial contracts (\$NZ/MWh)	\$109.5	\$132.6	\$115.5	\$105.8	\$127.1	\$166.7	\$181.8	\$134.9	\$202.2	\$212.6	\$285.6	\$271.0	\$119.5	+\$41.4	\$132.5	+\$89.8	\$176.3	+\$48.0	\$255.7	+179
Demand response payments (\$NZm)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	+\$0.0	\$0.0	+\$0.0	\$0.0	+\$0.0	\$0.0	+0
Total New Zealand customer connections	364,389	364,631	365,453	366,320	370,087	371,800	372,604	373,536	373,332	373,161	369,980	369,667	365,453	-3,294	371,800	+4,864	373,332	+8,072	369,667	+6,332
<b>New Zealand generation</b>																				
Hydro generation volume (GWh)	1,016	1,170	1,020	974	1,061	987	1,010	962	972	948	1,124	883	3,206	-94	3,022	-252	2,943	+250	2,955	-480
Wind generation volume (GWh)	118	107	138	128	111	119	106	127	134	117	108	128	362	+31	358	+49	367	+76	353	+82
<b>Total generation volume (GWh)</b>	<b>1,134</b>	<b>1,276</b>	<b>1,157</b>	<b>1,102</b>	<b>1,172</b>	<b>1,106</b>	<b>1,116</b>	<b>1,089</b>	<b>1,106</b>	<b>1,064</b>	<b>1,232</b>	<b>1,011</b>	<b>3,567</b>	<b>-63</b>	<b>3,380</b>	<b>-203</b>	<b>3,311</b>	<b>+326</b>	<b>3,308</b>	<b>-397</b>
Average generation price (\$NZ/MWh)	\$110.8	\$133.0	\$111.4	\$107.8	\$130.4	\$170.8	\$188.6	\$136.4	\$205.0	\$212.0	\$291.8	\$262.6	\$119.0	+\$56.8	\$136.3	+\$95.7	\$176.9	+\$45.7	\$257.2	+\$187.5
<b>New Zealand hedging</b>																				
Hedging volume (GWh)	505	539	458	496	404	458	504	438	504	470	490	516	1,502	+297	1,358	+304	1,446	+170	1,476	+244
Hedging cost average price (\$NZ/MWh)	\$142.4	\$132.3	\$139.1	\$110.9	\$105.6	\$110.1	\$127.4	\$131.9	\$139.1	\$145.0	\$151.2	\$147.7	\$137.8	+\$14.0	\$109.1	+\$8.2	\$132.9	+\$4.4	\$148.0	+\$12.6
Hedging spot revenue average price (\$NZ/MWh)	\$115.7	\$134.3	\$121.2	\$123.7	\$144.7	\$179.4	\$192.6	\$156.1	\$207.6	\$219.9	\$293.9	\$258.2	\$124.1	+\$51.1	\$148.8	+\$102.7	\$186.8	+\$45.4	\$257.8	+\$174.5
Future contract close outs (\$NZm)	\$14.0	\$3.2	\$1.4	-\$0.7	-\$0.9	\$1.0	\$2.1	\$0.0	-\$1.5	-\$1.6	-\$3.2	-\$2.2	\$18.6	-13.7	-\$0.6	-19.5	\$0.6	\$6.7	-\$6.9	-\$7.9
<b>Meridian Group</b>																				
Employee and Operating Costs (\$NZ m)	23	24	22	22	24	24	20	24	22	22	23	30	\$69	+9	\$71	+9	\$66	+\$6	\$76	+\$8
Stay in Business Capital Expenditure (\$NZ m)	3	6	4	4	7	5	6	9	8	5	7	8	\$13	+3	\$16	+5	\$23	+\$14	\$20	+\$5
Investment Capital Expenditure (\$NZ m)	16	20	15	16	54	13	12	36	35	21	35	3	\$51	+20	\$83	-36	\$84	-\$6	\$59	-\$2
<b>Total Capital Expenditure (\$NZ m)</b>	<b>19</b>	<b>26</b>	<b>19</b>	<b>20</b>	<b>61</b>	<b>18</b>	<b>18</b>	<b>45</b>	<b>44</b>	<b>26</b>	<b>42</b>	<b>11</b>	<b>\$64</b>	<b>+23</b>	<b>\$99</b>	<b>-31</b>	<b>\$107</b>	<b>+\$8</b>	<b>\$79</b>	<b>+\$3</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	number of installation control points, excluding vacants
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, 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>
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
Virtual Asset Swaps (VAS)	CFDs Meridian has with Genesis Energy and Mercury New Zealand. They do not result in the physical supply of electricity