

Release

Stock Exchange Listings NZX (MEL) ASX (MEZ)

Meridian Energy monthly operating report for August 2024

13 September 2024

Attached is Meridian Energy Limited's monthly operating report for the month of August 2024.

Highlights this month include:

- In the month to 9 September 2024, national hydro storage increased from **45%** to **99%** of historical average
- South Island storage increased to **104%** of average and North Island storage increased to **82%** of average by 9 September 2024
- Meridian's August 2024 monthly total inflows were **119%** of historical average
- Waiau catchment inflows in August 2024 were **124%** of historical average
- Meridian's Waitaki catchment water storage at the end of August 2024 was **48%** of historical average
- Snow storage in Meridian's Waitaki catchment was **86%** of average in early September
- Water storage in Meridian's Waiau catchment was **114%** of average at the end of August 2024
- National electricity demand in August 2024 was **-6.3%** lower than the same month last year
- August 2024 was warm, with average or above average temperatures for most of the country. Rainfall was above normal for western, inland and northern parts of the South Island
- New Zealand Aluminium Smelter's average load during August 2024 was **398MW**
- Meridian's retail sales volumes in August 2024 were **-3.2%** lower than August 2023
- Compared to August 2023, segment sales increased in agriculture +4.4% and large business +7.1%, with decreases in residential -4.6%, small medium business -1.2% and corporate -6.9%

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

ENDS

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Meridian.

Monthly Operating Report

August 2024

August highlights

In the month to 9 September 2024, national hydro storage increased from **45%** to **99%** of historical average

South Island storage increased to **104%** of average and North Island storage increased to **82%** of average by 9 September 2024

Meridian's August 2024 monthly total inflows were **119%** of historical average

Waiau catchment inflows in August 2024 were **124%** of historical average

Meridian's Waitaki catchment water storage at the end of August 2024 was **48%** of historical average

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National electricity demand in August 2024 was **-6.3%** lower than the same month last year

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New Zealand Aluminium Smelter's average load during August 2024 was **398MW**

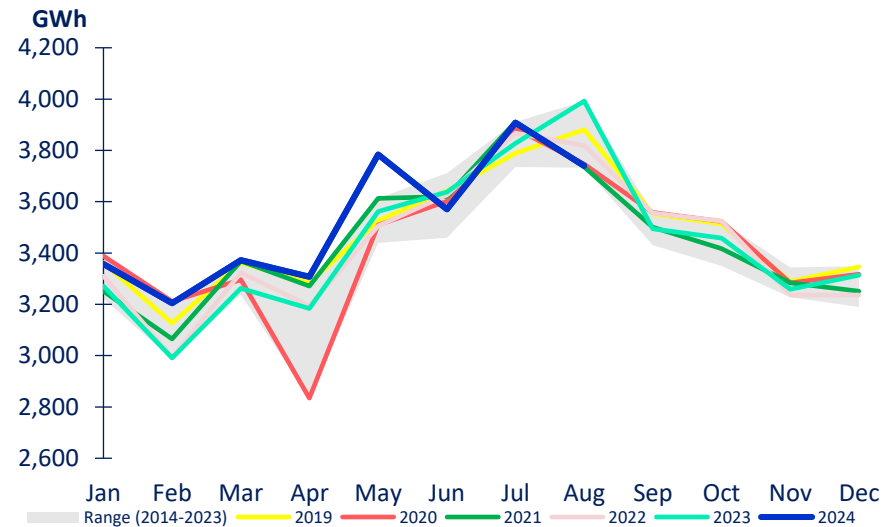
Meridian's retail sales volumes in August 2024 were **-3.2%** lower than August 2023

Compared to August 2023, segment sales increased in agriculture +4.4% and large business +7.1%, with decreases in residential -4.6%, small medium business -1.2% and corporate -6.9%

Market data

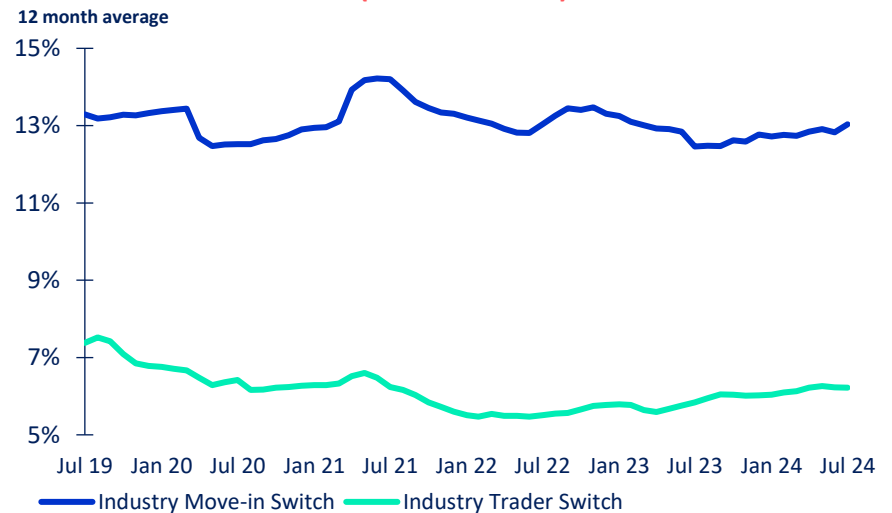
- National electricity demand in August 2024 was -6.3% lower than the same month last year
- August 2024 was warm, with average or above average temperatures for most of the country. Rainfall was above normal for western, inland and northern parts of the South Island
- Demand in the last 12 months was +1.2% higher than the preceding 12 months
- New Zealand Aluminium Smelter's average load during August 2024 was 398MW
- 12-month average switching rate of customers changing retailers but not moving ("trader" switch) was 6.2% at the end of July 2024
- 12-month average switching rate of customers moving and changing retailers ("move-in" switch) was 13.0% at the end of July 2024

NATIONAL DEMAND



Source: Electricity Authority (reconciled demand)

MARKET ICP SWITCHING (ALL RETAILERS)

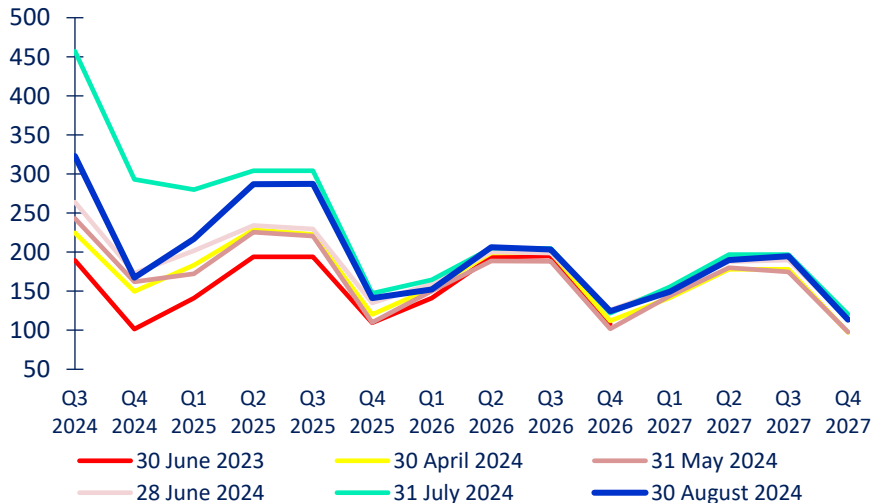


Source: Electricity Authority

Market data

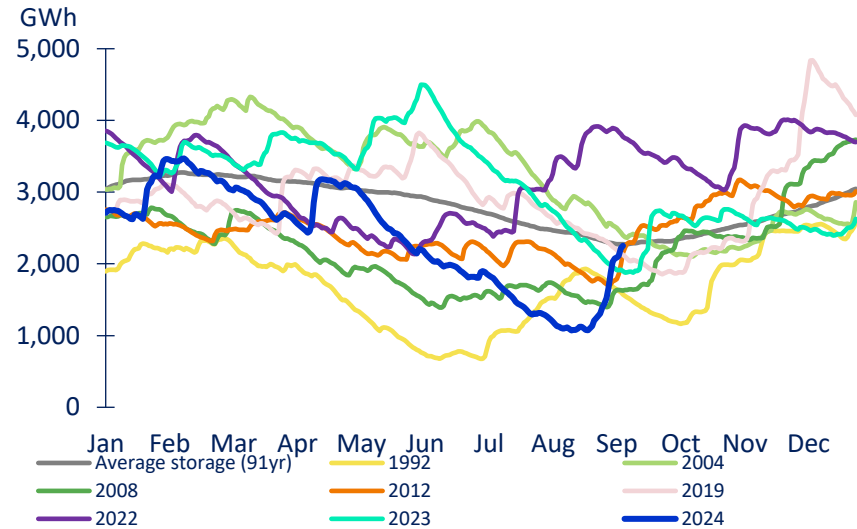
- August 2024 saw significant decreases in the 2024 and 2025 ASX electricity futures prices
- National storage increased from 45% of average on 12 August 2024 to 99% of average on 9 September 2024
- South Island storage increased to 104% of historical average by 9 September 2024. North Island storage increased to 82% of average

OTAHUHU ASX FUTURES SETTLEMENT PRICE \$/MWh



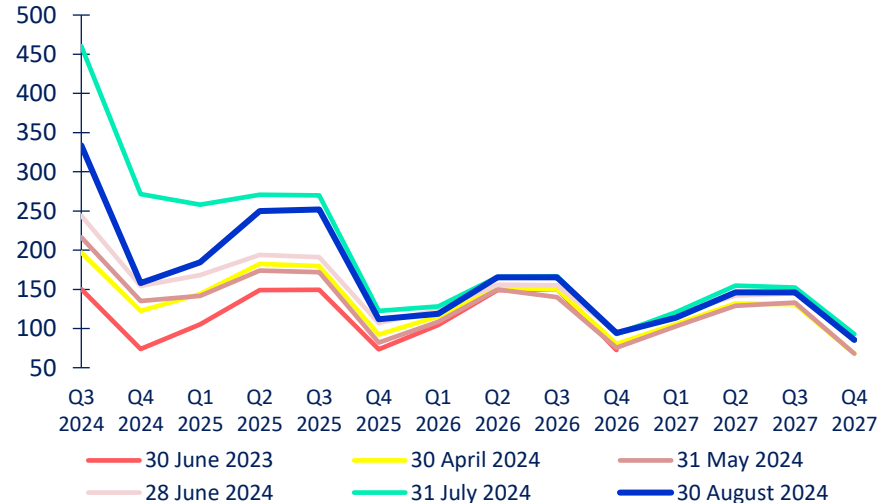
Source: ASX

NATIONAL HYDRO STORAGE (9 September 2024)



Source: NZX

BENMORE ASX FUTURES SETTLEMENT PRICE \$/MWh

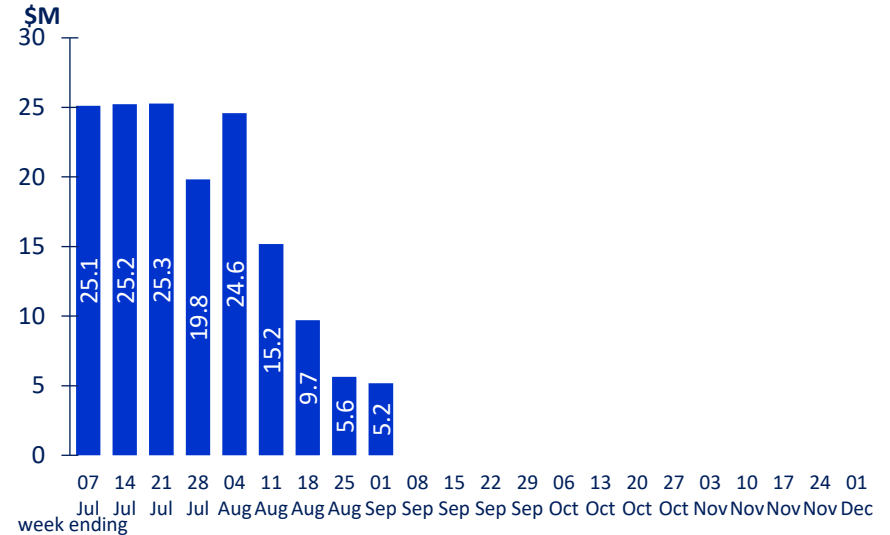


Source: ASX

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>					
04 Aug	137.1	0.1	18.0	-130.6	24.6
11 Aug	190.5	0.1	-3.5	-171.9	15.2
18 Aug	95.6	0.1	9.1	-95.1	9.7
25 Aug	65.6	0.1	6.8	-66.8	5.6
01 Sep	21.3	0.1	5.6	-21.8	5.2

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

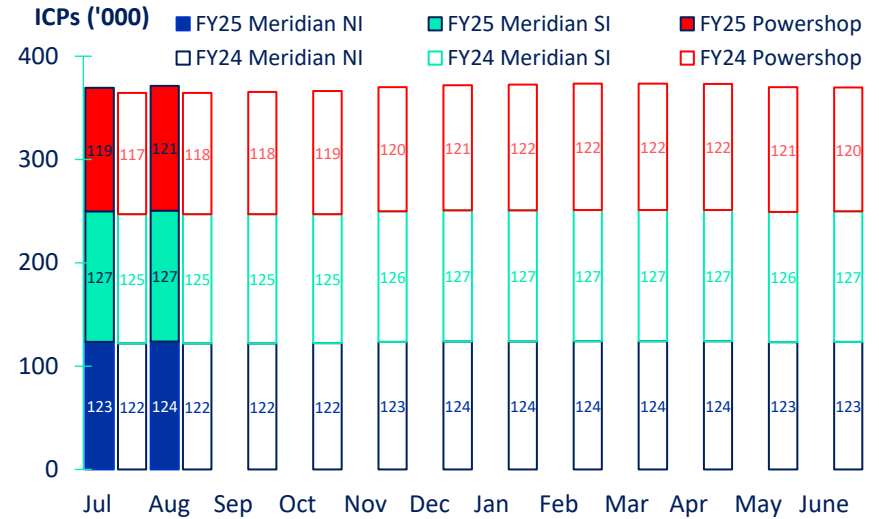
Source: Meridian, Electricity Authority

Meridian retail

- Meridian’s customer connection numbers increased +0.5% during August 2024 and have increased +1.8% since August 2023
- Retail sales volumes in August 2024 were -3.2% lower than August 2023
- Compared to August 2023, segment sales increased in agriculture +4.4% and large business +7.1%, with decreases in residential -4.6%, small medium business -1.2% and corporate -6.9%
- To date this financial year, retail sales volumes are -3.0% lower than the same period last year
- This reflects increased segment sales in small medium business +1.8%, large business +5.1%, agricultural +3.3%, with decreases in residential -2.0% and corporate -8.1%

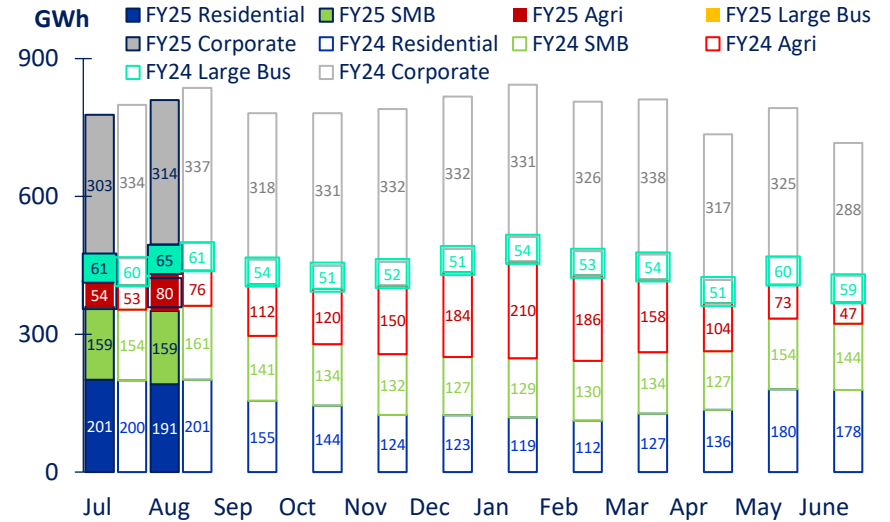
*excludes volumes sold to New Zealand Aluminium Smelters and CFDs

MERIDIAN'S CUSTOMER CONNECTIONS



Source: Meridian

MERIDIAN'S RETAIL SALES VOLUME*

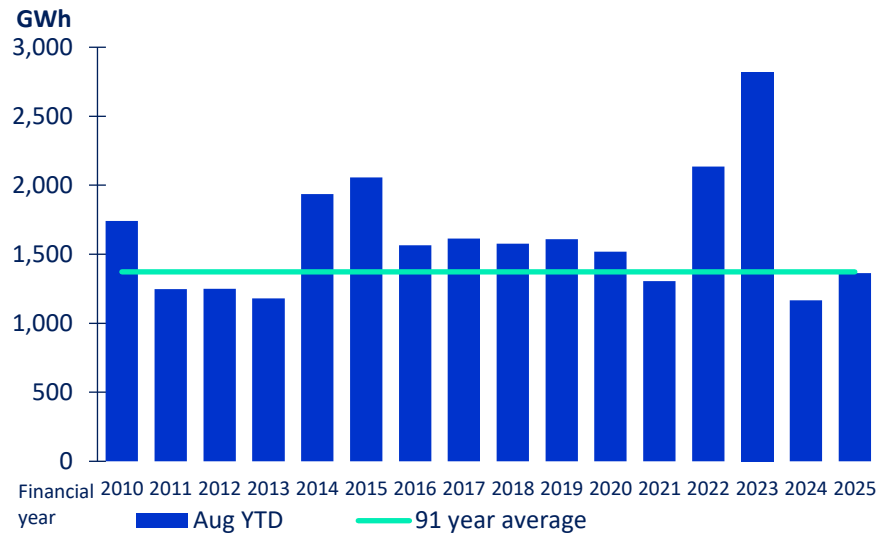


Source: Meridian

Meridian inflows and storage

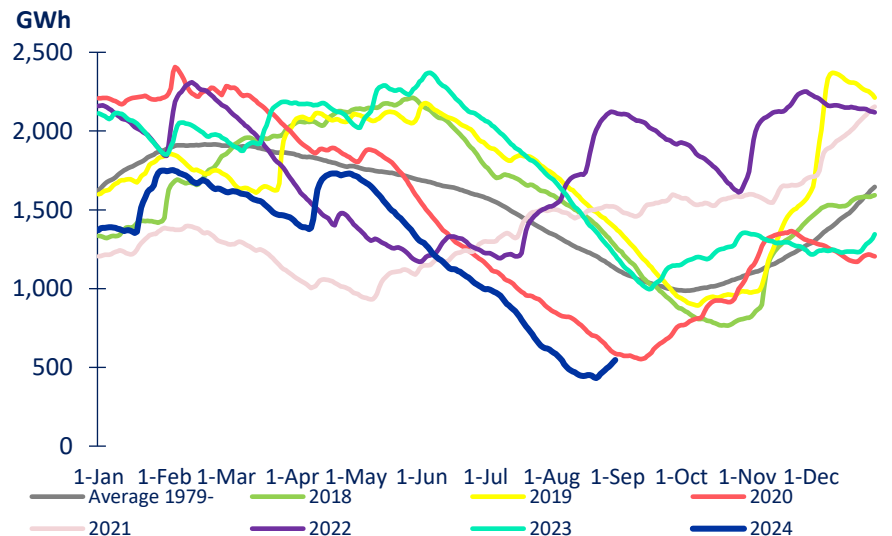
- August 2024 monthly inflows were 119% of historical average
- Waiau catchment inflows in August 2024 were 124% of historical average, 22% higher than the same month last year
- To date this financial year, inflows are 99.3% of historical average
- Meridian’s Waitaki catchment water storage moved from 613GWh to 546Wh during August 2024
- Waitaki water storage at the end of August 2024 was 48% of historical average and 55% lower than the same time last year
- Snow storage in Meridian’s Waitaki catchment was 86% of average in early September
- Water storage in Meridian’s Waiau catchment was 114% of average at the end of August 2024

MERIDIAN'S COMBINED CATCHMENT INFLOWS



Source: Meridian

MERIDIAN'S WAITAKI STORAGE



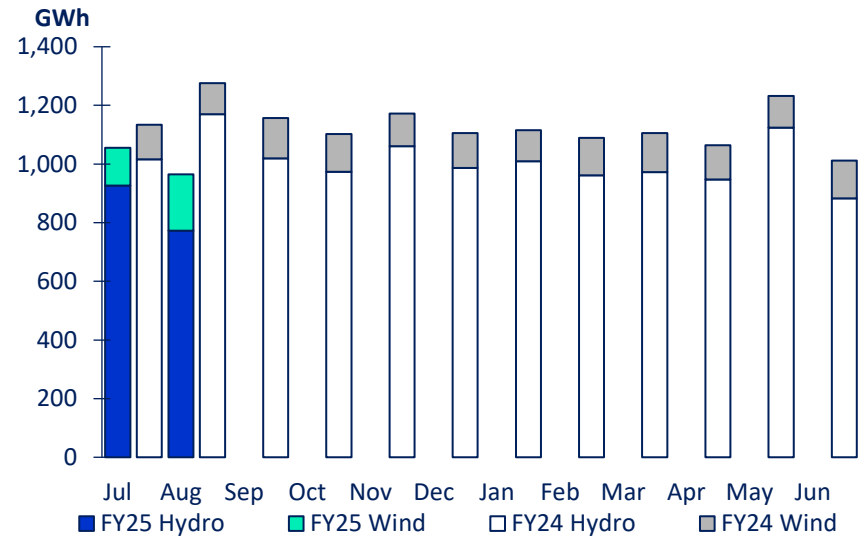
Source: Meridian

Weekly lake storage updates are available on Meridian’s website. See comparative lake levels at: www.meridianenergy.co.nz/power-stations/lake-levels

Meridian generation

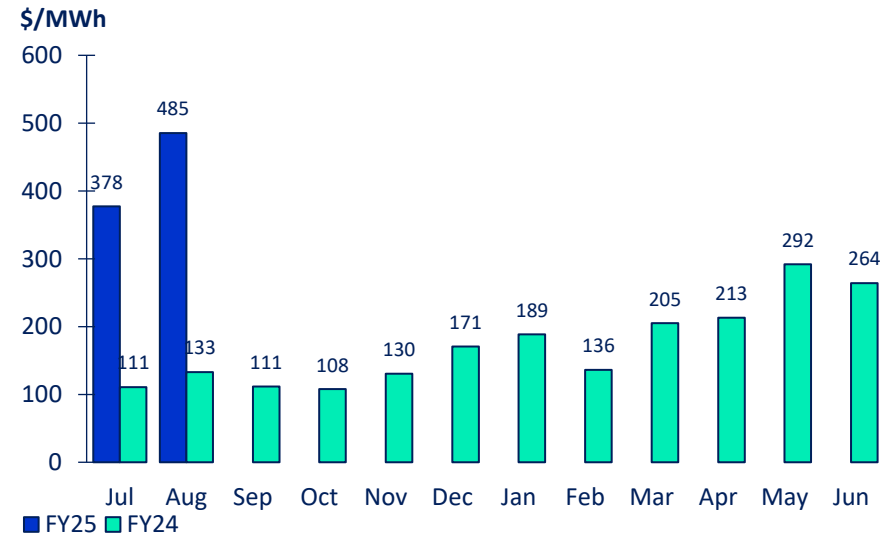
- Meridian’s generation in August 2024 was -24.4% lower than the same month last year, reflecting lower hydro generation and higher wind generation
- To date this financial year, Meridian’s generation is 16.1% lower than the same period last year, reflecting lower hydro generation and higher wind generation
- The average price Meridian received for its generation in August 2024 was +265.0% higher than the same month last year
- The average price Meridian paid to supply customers in August 2024 was +254.2% higher than the same month last year
- To date this financial year, the average price Meridian received for its generation is 250.0% higher than the same period last year and the average price paid to supply customers is 236.6% higher

MERIDIAN'S GENERATION



Source: Meridian

MERIDIAN'S AVERAGE GENERATION PRICE*



*price received for Meridian’s physical generation

Source: Meridian

Monthly operating information

	AUGUST 2024 MONTH	AUGUST 2023 MONTH	JULY 2024 MONTH	JUNE 2024 MONTH	2 MONTHS TO AUGUST 2024	2 MONTHS TO AUGUST 2023
New Zealand contracted sales						
Residential sales volume (GWh)	191	201	201	178	392	400
Small medium business sales volume (GWh)	159	161	159	144	318	315
Agricultural sales volume (GWh)	80	76	54	47	133	129
Large business sales volume (GWh)	65	61	61	59	127	120
Corporate and industrial sales volume (GWh)	314	337	303	288	617	671
Retail contracted sales volume (GWh)	810	836	777	717	1,587	1,636
Average retail contracted sales price ¹ (\$NZ/MWh)	\$162.9	\$151.2	\$162.4	\$157.2	\$162.6	\$150.2
NZAS sales volume (GWh)	261	426	327	394	588	851
Financial contract sales volumes ² (GWh)	222	371	295	293	517	709
Average wholesale & financial contracts sales price ³ (\$NZ/MWh)	\$127.5	\$78.4	\$128.9	\$87.9	\$128.3	\$78.5
Retail customer supply volumes (GWh)	866	892	813	733	1,678	1,736
Cost to supply retail customers (\$NZ/MWh)	\$487.4	\$144.9	\$382.7	\$284.0	\$436.7	\$137.0
Cost to supply wholesale customers (\$NZ/MWh)	\$509.9	\$132.9	\$388.9	\$269.6	\$442.6	\$121.0
Cost of financial contracts (\$NZ/MWh)	\$494.8	\$132.6	\$375.3	\$271.0	\$426.5	\$121.6
Demand response payments (\$NZm)	-\$19.1	\$0.0	-\$4.7	\$0.0	-\$23.8	\$0.0
Total New Zealand customer connections ⁴	371,336	364,631	369,376	369,667		

See page 11 for footnotes

Monthly operating information

	AUGUST 2024 MONTH	AUGUST 2023 MONTH	JULY 2024 MONTH	JUNE 2024 MONTH	2 MONTHS TO AUGUST 2024	2 MONTHS TO AUGUST 2023
New Zealand generation						
Hydro generation volume (GWh)	773	1,170	927	883	1,700	2,186
Wind generation volume (GWh)	192	107	129	128	321	224
Total generation volume (GWh)	965	1,276	1,056	1,011	2,021	2,410
Average generation price ⁵ (\$NZ/MWh)	\$483.8	\$133.0	\$376.2	\$262.6	\$427.5	\$122.6
New Zealand hedging						
Hedging volume ⁶ (GWh)	451	539	451	516	902	1,044
Hedging cost average price (\$NZ/MWh)	\$226.1	\$132.3	\$174.5	\$147.7	\$200.3	\$137.2
Hedging spot revenue average price (\$NZ/MWh)	\$451.9	\$134.3	\$346.6	\$258.2	\$399.3	\$125.3
Future contract close outs (\$NZm)	-\$13.7	\$3.2	-\$13.0	-\$2.2	-\$26.6	\$17.2

See page 11 for footnotes

Monthly operating information

	AUGUST 2024 MONTH	AUGUST 2023 MONTH	JULY 2024 MONTH	JUNE 2024 MONTH	2 MONTHS TO AUGUST 2024	2 MONTHS TO AUGUST 2023
New Zealand costs						
Employee and Operating Costs (\$m)	25	24	26	30	51	46
Stay in Business Capital Expenditure (\$m)	6	6	3	8	9	9
Investment Capital Expenditure (\$m)	9	20	13	3	22	36
Total Capital Expenditure (\$m)	15	26	16	11	31	45

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
New Zealand contracted sales																				
Residential sales volume (GWh)	201	191																		
Small medium business sales volume (GWh)	159	159																		
Agricultural sales volume (GWh)	54	80																		
Large business sales volume (GWh)	61	65																		
Corporate and industrial sales volume (GWh)	303	314																		
Retail contracted sales volume (GWh)	777	810																		
Average retail contracted sales price (\$NZ/MWh)	\$162.4	\$162.9																		
NZAS sales volume (GWh)	327	261																		
Financial contract sales volumes (GWh)	295	222																		
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$128.9	\$127.5																		
Retail customer supply volumes (GWh)	813	866																		
Cost to supply retail customers (\$NZ/MWh)	\$382.7	\$487.4																		
Cost to supply wholesale customers (\$NZ/MWh)	\$388.9	\$509.9																		
Cost of financial contracts (\$NZ/MWh)	\$375.3	\$494.8																		
Demand response payments (\$NZm)	-\$4.7	-\$19.1																		
Total New Zealand customer connections	369,376	371,336																		
New Zealand generation																				
Hydro generation volume (GWh)	927	773																		
Wind generation volume (GWh)	129	192																		
Total generation volume (GWh)	1,056	965																		
Average generation price (\$NZ/MWh)	\$376.2	\$483.8																		
New Zealand hedging																				
Hedging volume (GWh)	451	451																		
Hedging cost average price (\$NZ/MWh)	\$174.5	\$226.1																		
Hedging spot revenue average price (\$NZ/MWh)	\$346.6	\$451.9																		
Future contract close outs (\$NZm)	-\$13.0	-\$13.7																		
Meridian Group																				
Employee and Operating Costs (\$NZ m)	26	25																		
Stay in Business Capital Expenditure (\$NZ m)	3	6																		
Investment Capital Expenditure (\$NZ m)	13	9																		
Total Capital Expenditure (\$NZ m)	16	15																		

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
New Zealand contracted sales																				
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
Retail contracted sales volume (GWh)	800	836	781	781	790	818	843	806	811	735	793	717	2,417	+48	2,389	+88	2,461	+186	2,244	+15
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
New Zealand generation																				
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
Total generation volume (GWh)	1,134	1,276	1,157	1,102	1,172	1,106	1,116	1,089	1,106	1,064	1,232	1,011	3,567	-63	3,380	-203	3,311	+326	3,308	-397
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
New Zealand hedging																				
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
Meridian Group																				
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
Total Capital Expenditure (\$NZ m)	19	26	19	20	61	18	18	45	44	26	42	11	\$64	+23	\$99	-31	\$107	+\$8	\$79	+\$3

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 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
Virtual Asset Swaps (VAS)	CFDs Meridian has with Genesis Energy and Mercury New Zealand. They do not result in the physical supply of electricity