



Meridian.

Release

Stock Exchange Listings NZX (MEL) ASX (MEZ)

Meridian Energy monthly operating report for August 2021

16 September 2021

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

Highlights this month include:

- In the month to 10 September 2021, national hydro storage increased from 103% to **126%** of historical average
- South Island storage increased to **139%** of average and North Island storage increased to **83%** of average by 10 September 2021
- Meridian's August 2021 monthly total inflows were **161%** of historical average
- Meridian's Waitaki catchment water storage at the end of August 2021 was **136%** of historical average
- Water storage in Meridian's Waiau catchment was **above** average at the end of August 2021
- Waitaki snow storage in early September 2021 was **118%** of historical average
- National electricity demand in August 2021 was **0.3%** lower than the same month last year. More stringent lockdowns were in place this August compared to August 2020
- August 2021 was another unseasonably warm month with temperatures **above** average for almost all the country. Rainfall was mixed, including **above** average totals in areas of the South Island
- Meridian made some calls under the Genesis swaption in August 2021 during the HVDC Pole 2 outage
- New Zealand Aluminium Smelter's average load during August 2021 was **570MW**
- Meridian's New Zealand retail sales volumes in August 2021 were **12.2%** higher than August 2020
- Compared to August 2020, segment sales increased in residential +14.2%, small medium business +18.8% and corporate +17.2%. Large business volumes were -10.3% lower and agricultural volumes were -5.0% than August 2020

ENDS

Neal Barclay
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Meridian.

Monthly Operating Report

August 2021

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Sustainability Indices

In collaboration with  S&P Global

August highlights

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South Island storage increased to **139%** of average and North Island storage increased to **83%** of average by 10 September 2021

Meridian's August 2021 monthly total inflows were **161%** of historical average

Meridian's Waitaki catchment water storage at the end of August 2021 was **136%** of historical average

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

Waitaki snow storage in early September 2021 was **118%** of historical average

National electricity demand in August 2021 was **0.3%** lower than the same month last year. More stringent lockdowns were in place this August compared to August 2020

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Meridian made some calls under the Genesis swaption in August 2021 during the HVDC Pole 2 outage

New Zealand Aluminium Smelter's average load during August 2021 was **570MW**

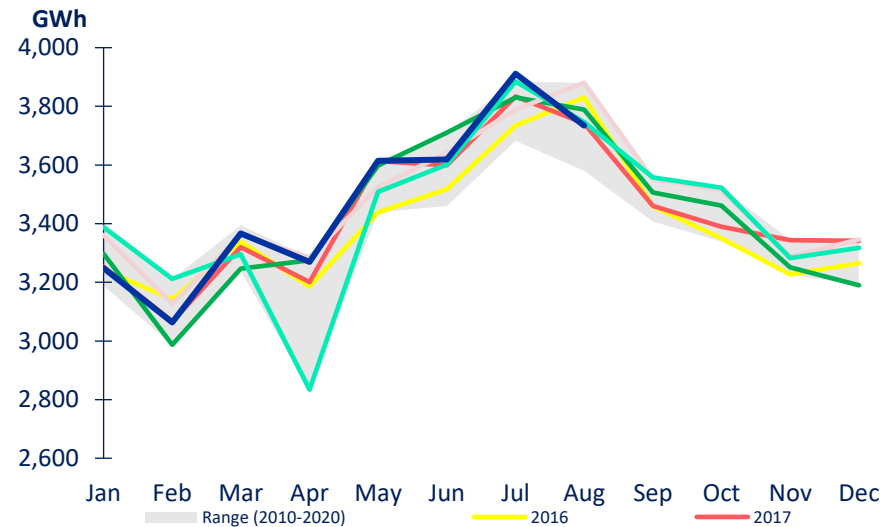
Meridian's New Zealand retail sales volumes in August 2021 were **12.2%** higher than August 2020

Compared to August 2020, segment sales increased in residential +14.2%, small medium business +18.8% and corporate +17.2%. Large business volumes were -10.3% lower and agricultural volumes were -5.0% than August 2020

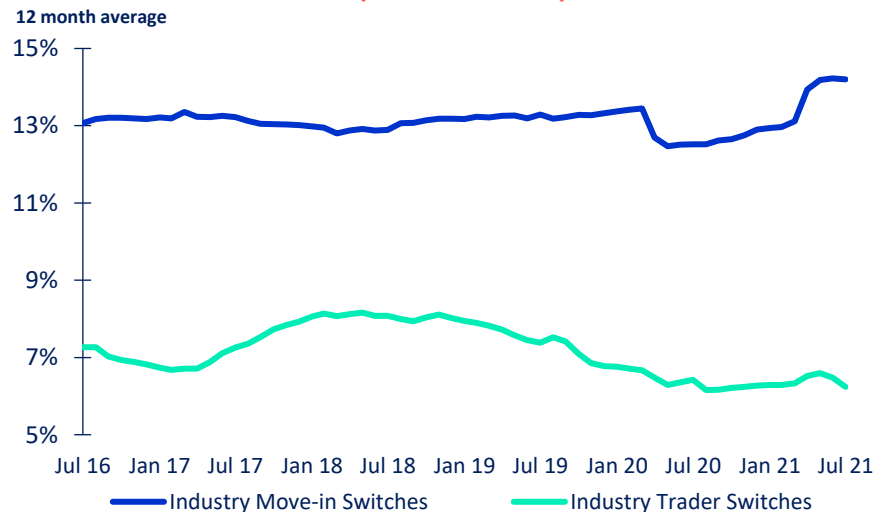
Market data

- National electricity demand in August 2021 was 0.3% lower than the same month last year. More stringent lockdowns were in place this August compared to August 2020
- August 2021 was another unseasonably warm month with temperatures above average for almost all the country. Rainfall was mixed, including above average totals in areas of the South Island
- Demand in the last 12 months was 0.8% higher than the preceding 12 months
- New Zealand Aluminium Smelter's average load during August 2021 was 570MW
- 12-month average switching rate of customers changing retailers but not moving ("trader" switch) was 6.2% at the end of July 2021
- 12-month average switching rate of customers moving and changing retailers ("move-in" switch) was 14.2% at the end of July 2021

NATIONAL DEMAND



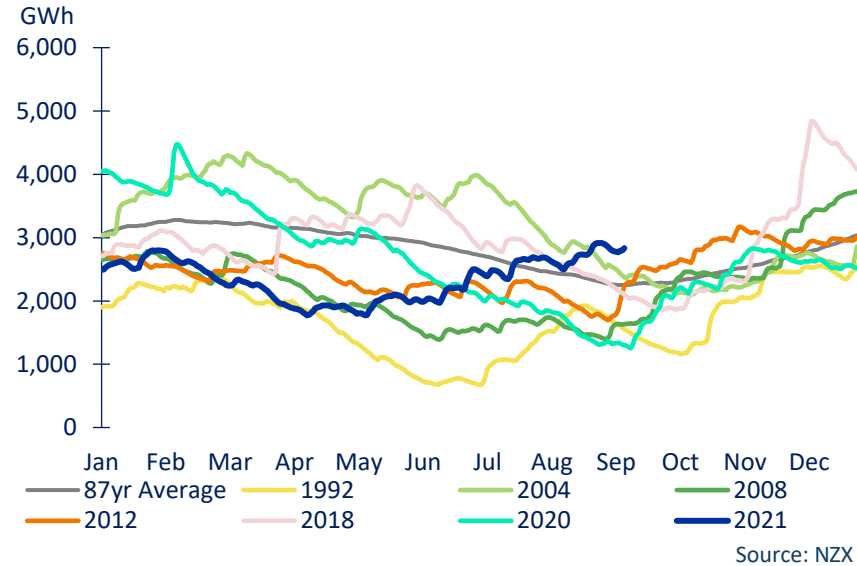
MARKET ICP SWITCHING (ALL RETAILERS)



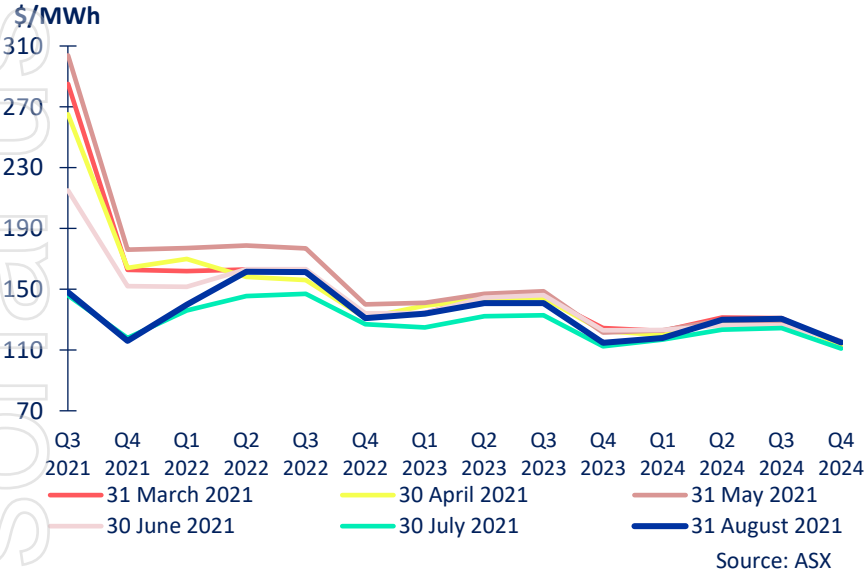
Market data

- August 2021 saw slight increases in ASX prices
- National storage increased from 103% of average on 11 August 2021 to 126% of average on 10 September 2021
- South Island storage increased to 139% of historical average by 10 September 2021. North Island storage increased to 83% of average

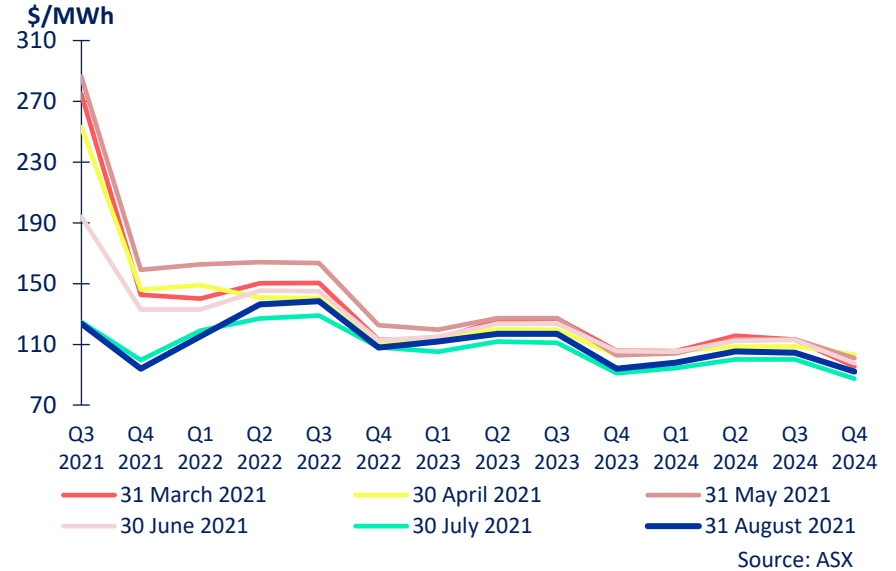
NATIONAL HYDRO STORAGE (10 September 2021)



OTAHUHU ASX FUTURES SETTLEMENT PRICE



BENMORE ASX FUTURES SETTLEMENT PRICE

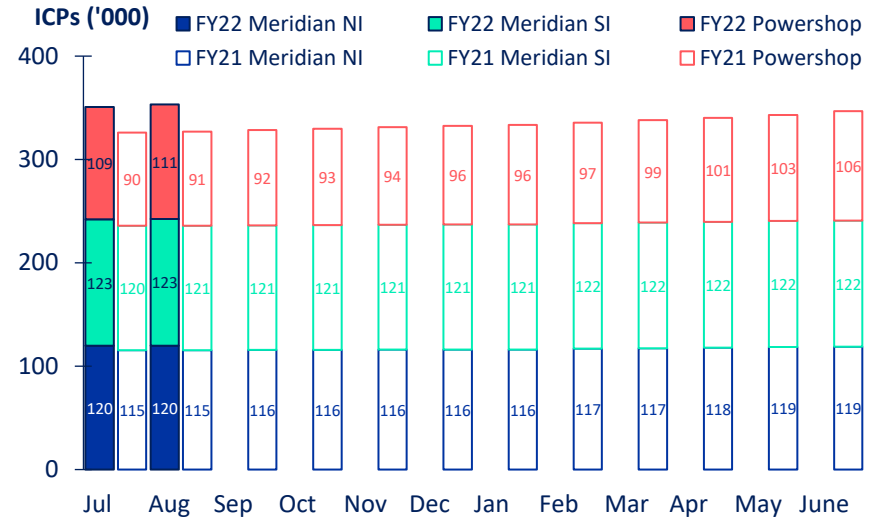


New Zealand retail

- Meridian’s New Zealand customer connection numbers rose 0.7% during August 2021 and have risen 1.9% since June 2021
- Retail sales volumes in August 2021 were 12.2% higher than August 2020
- Compared to August 2020, segment sales increased in residential +14.2%, small medium business +18.8% and corporate +17.2%. Large business volumes were -10.3% lower and agricultural volumes were -5.0% than August 2020
- To date this financial year, retail sales volumes are 12.9% higher than the same period last year
- This reflects increased segment sales in: residential +12.2%, small medium business +25.2%, agricultural +0.7% and corporate +15.5%. Large business volumes are -10.1% lower

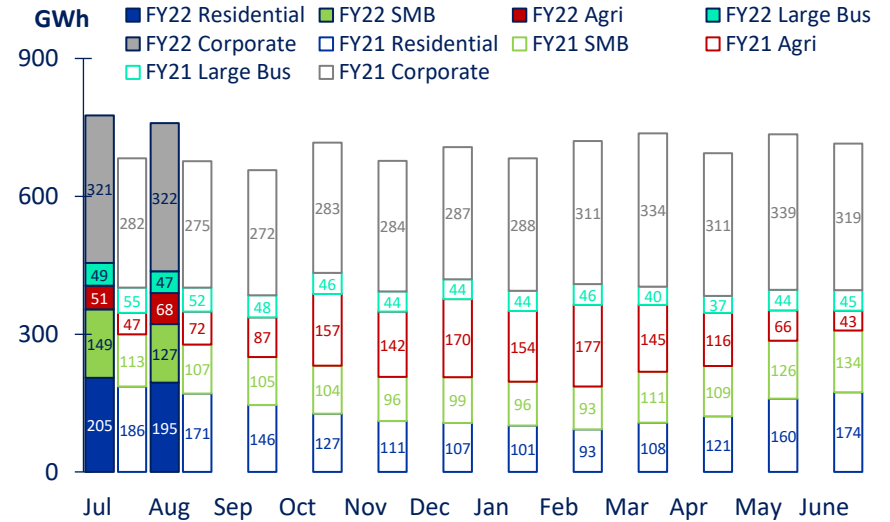
*excludes volumes sold to New Zealand Aluminium Smelters and CFDs

MERIDIAN'S NZ CUSTOMER CONNECTIONS



Source: Meridian

MERIDIAN'S RETAIL SALES VOLUME*

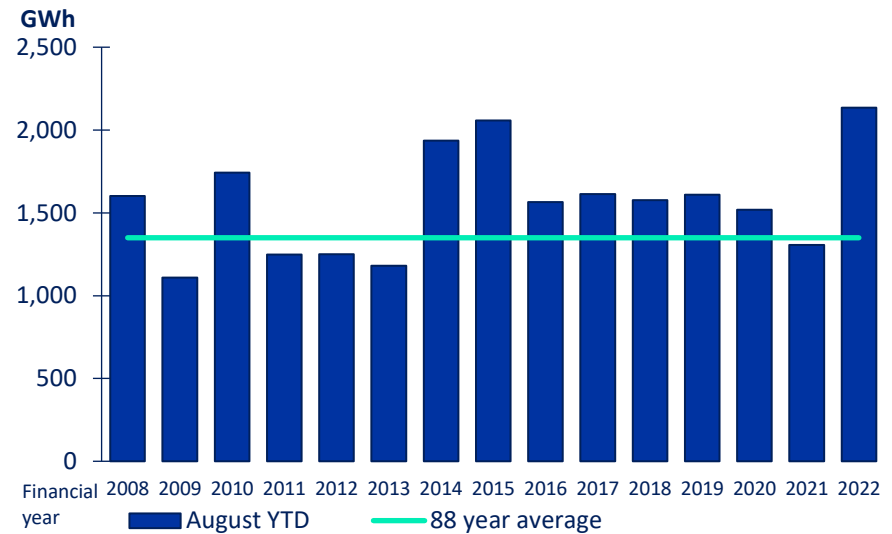


Source: Meridian

New Zealand storage

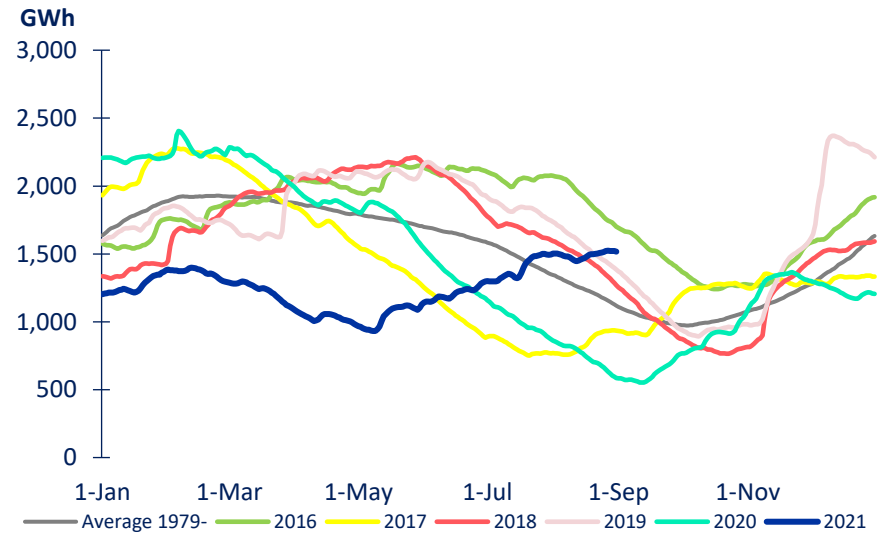
- August 2021 monthly inflows were 161% of historical average
- Winter 2021 inflows (June-August) were the highest winter inflows on record
- To date this financial year, inflows are 158% of historical average
- Meridian’s Waitaki catchment water storage moved from 1,496GWh to 1,517GWh during August 2021
- Waitaki water storage at the end of August 2021 was 136% of historical average and 61% higher than the same time last year
- Water storage in Meridian’s Waiau catchment was well above average at the end of August 2021
- Waitaki snow storage in early September 2021 was 118% of historical average

MERIDIAN'S COMBINED CATCHMENT INFLOWS



Source: Meridian

MERIDIAN'S WAITAKI STORAGE

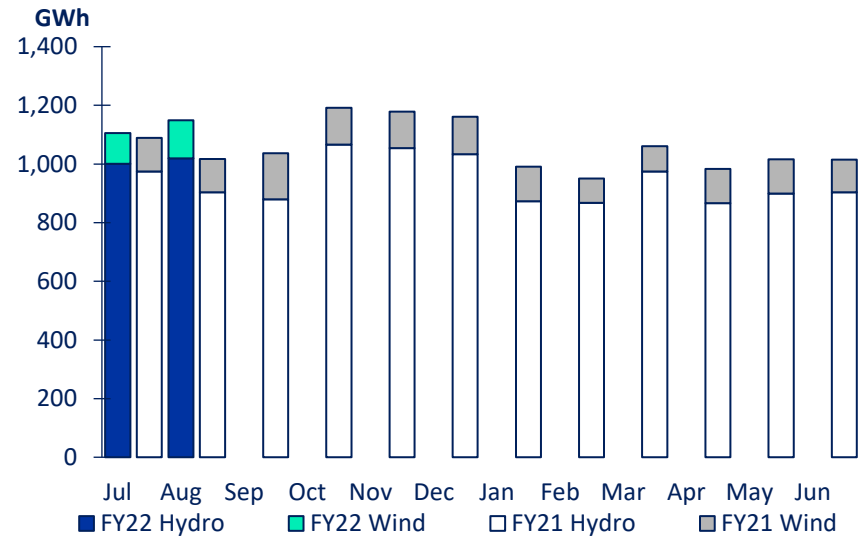


Source: Meridian

New Zealand generation

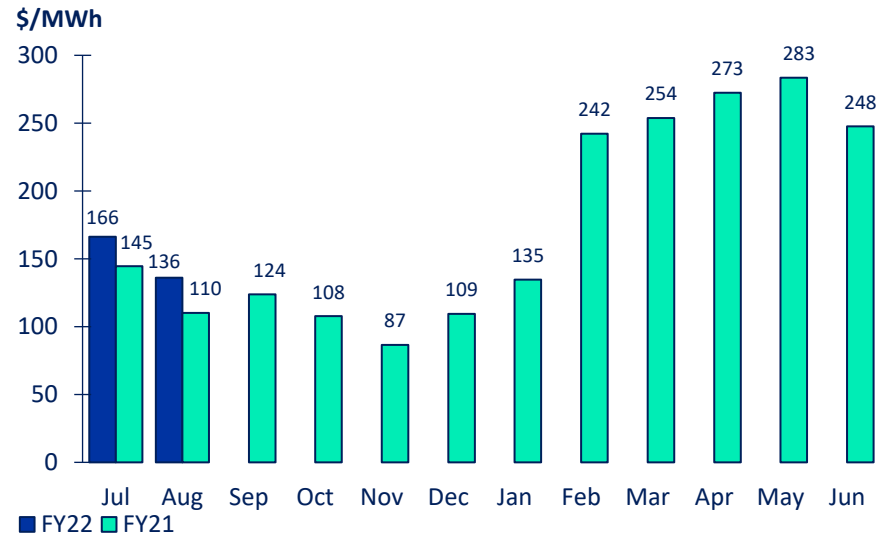
- Meridian’s New Zealand generation in August 2021 was 12.9% higher than the same month last year, reflecting higher hydro and higher wind generation
- To date this financial year, Meridian’s New Zealand generation is 7.0% higher than the same period last year, reflecting higher hydro and higher wind generation
- The average price Meridian received for its generation in August 2021 was 23.6% higher than the same month last year
- The average price Meridian paid to supply customers in August 2021 was 25.6% higher than the same month last year
- To date this financial year, the average price Meridian received for its generation is 18.0% higher than the same period last year and the average price paid to supply customers is 18.7% higher

MERIDIAN'S NEW ZEALAND GENERATION



Source: Meridian

MERIDIAN'S AVERAGE GENERATION PRICE*



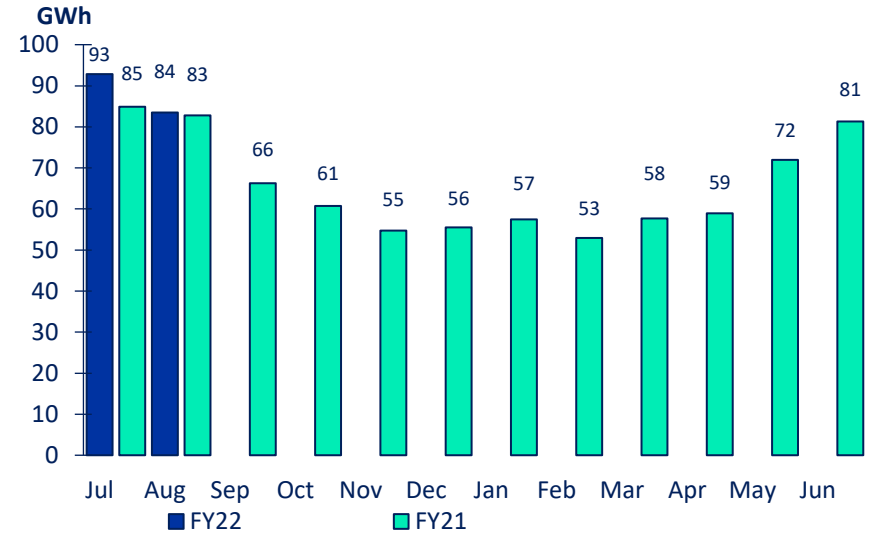
*price received for Meridian’s physical generation

Source: Meridian

Australian retail

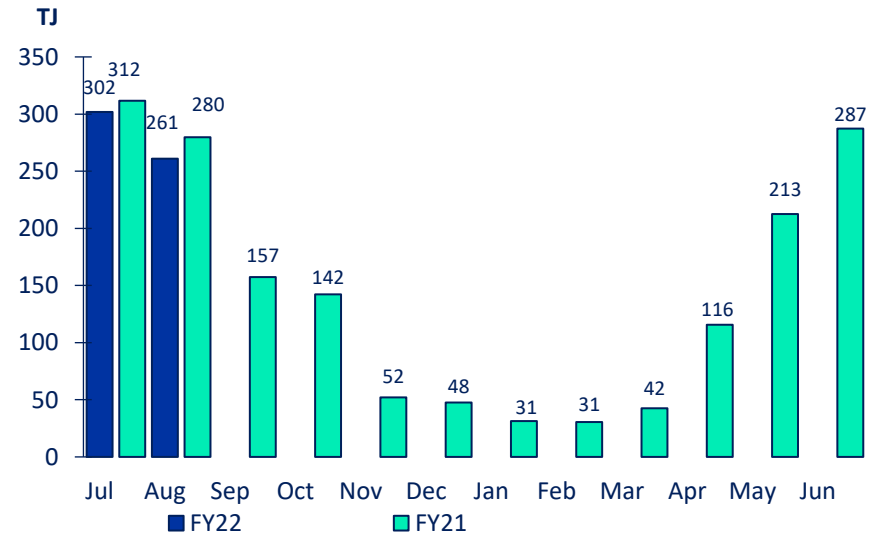
- Powershop Australia electricity customer connection numbers rose 0.4% during August 2021 and have decreased 0.2% since June 2021
- Electricity sales volumes in August 2021 were 0.9% higher than the same month last year
- To date this financial year, electricity sales volumes are 5.2% higher than the same period last year
- Powershop Australia gas customer connection numbers rose 1.2% during August 2021 and have risen 2.0% since June 2021
- Gas sales volumes in August 2021 were 6.7% lower than the same month last year
- To date this financial year, gas sales volumes are 4.9% lower than the same period last year

AUSTRALIAN RETAIL ELECTRICITY SALES VOLUMES



Source: Meridian

AUSTRALIAN RETAIL GAS SALES VOLUMES

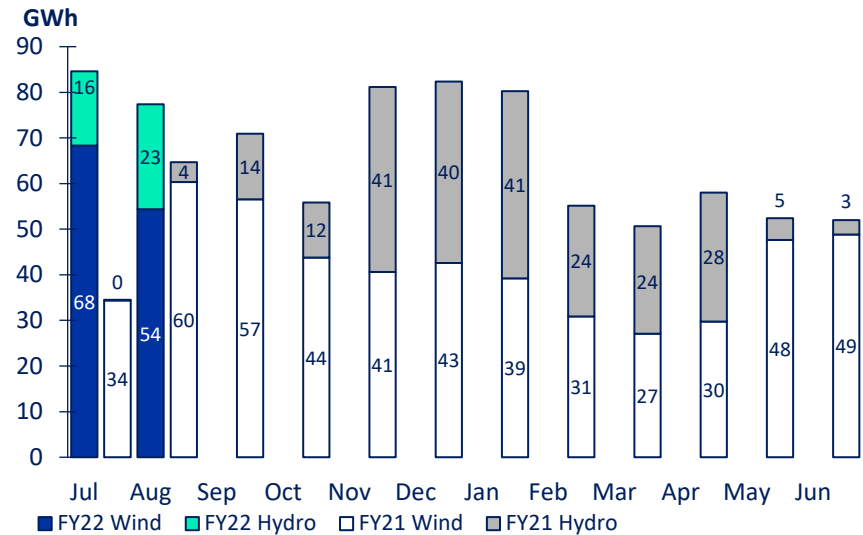


Source: Meridian

Australian generation

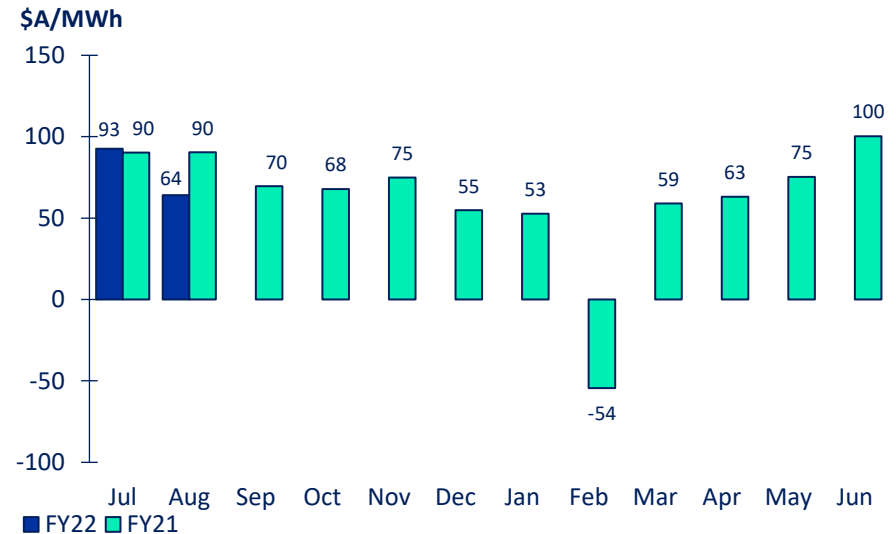
- Meridian’s Australian generation in August 2021 was 19.6% higher than the same month last year, reflecting lower wind generation and higher hydro generation
- To date this financial year, Meridian’s Australian generation is 63.3% higher than the same period last year, reflecting higher wind and higher hydro generation
- Storage at Meridian’s Hume hydro power station increased to 99% of capacity by 10 September 2021
- NEM¹ electricity demand in August 2021 was 9.0% higher than the same month last year
- Following elevated prices in June and July, August 2021 saw a moderation in spot prices driven by seasonally lower demand, better generation availability and the impact of COVID-19 lockdowns in NSW and Victoria. Forward prices fell 4% compared to the previous month

MERIDIAN'S AUSTRALIAN GENERATION



Source: Meridian

AVERAGE WIND GENERATION PRICE²



Source: Meridian

¹See glossary on page 17 for a definition of Australia’s National Electricity Market

²February 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

	AUGUST 2021 MONTH	AUGUST 2020 MONTH	JULY 2021 MONTH	JUNE 2021 MONTH	2 MONTHS TO AUGUST 2021	2 MONTHS TO AUGUST 2020
New Zealand contracted sales						
Residential sales volume (GWh)	195	171	205	174	400	357
Small medium business sales volume (GWh)	127	107	149	134	276	220
Agricultural sales volume (GWh)	68	72	51	43	119	119
Large business sales volume (GWh)	47	52	49	45	96	107
Corporate and industrial sales volume (GWh)	322	275	321	319	643	557
Retail contracted sales volume (GWh)	759	677	776	715	1,536	1,360
Average retail contracted sales price (\$NZ/MWh)	\$124.0	\$119.3	\$122.6	\$118.9	\$123.3	\$119.8
NZAS sales volume (GWh)	426	426	426	412	851	851
Financial contract sales volumes (GWh)	297	125	197	129	494	312
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$78.4	\$70.4	\$73.2	\$74.1	\$76.0	\$76.5
Retail customer supply volumes (GWh)	795	717	816	753	1,611	1,421
Cost to supply retail customers (\$NZ/MWh)	\$165.3	\$120.6	\$190.3	\$272.2	\$178.0	\$142.7
Cost to supply wholesale customers (\$NZ/MWh)	\$115.9	\$109.6	\$162.7	\$242.5	\$139.3	\$126.7
Cost of financial contracts (\$NZ/MWh)	\$137.5	\$113.1	\$159.9	\$228.2	\$146.4	\$131.5
Total New Zealand customer connections	353,357	327,125	459,752	346,830		

New Zealand

	AUGUST 2021 MONTH	AUGUST 2020 MONTH	JULY 2021 MONTH	JUNE 2021 MONTH	2 MONTHS TO AUGUST 2021	2 MONTHS TO AUGUST 2020
New Zealand generation						
Hydro generation volume (GWh)	1,020	904	1,000	903	2,020	1,879
Wind generation volume (GWh)	129	113	105	111	234	228
Total generation volume (GWh)	1,149	1,017	1,105	1,015	2,254	2,107
Average generation price (\$NZ/MWh)	\$136.1	\$110.1	\$166.2	\$247.5	\$150.9	\$127.9
New Zealand hedging						
Hedging volume (GWh)	325	266	394	360	720	584
Hedging cost average price (\$NZ/MWh)	\$121.5	\$104.6	\$129.6	\$119.0	\$125.9	\$107.2
Hedging spot revenue average price (\$NZ/MWh)	\$140.7	\$123.8	\$164.1	\$237.6	\$153.5	\$129.0
Future contract close outs (\$NZm)	\$0.1	-\$1.9	-\$0.7	\$9.7	-\$0.7	-\$3.5

Australia

	AUGUST 2021 MONTH	AUGUST 2020 MONTH	JULY 2021 MONTH	JUNE 2021 MONTH	2 MONTHS TO AUGUST 2021	2 MONTHS TO AUGUST 2020
Australian contracted sales						
Retail contracted electricity sales volume (GWh)	84	83	93	81	176	167
Average electricity contracted sales price ¹ (\$A/MWh)	\$86.4	\$137.7	\$150.9	\$130.3	\$120.4	\$140.7
Retail contracted gas sales volume (TJ)	261	280	302	287	563	591
Average gas contracted sales price ¹ (\$A/GJ)	\$15.9	\$11.5	\$19.1	\$14.4	\$17.7	\$13.2
Financial contract sales volumes ² (GWh)	22	33	22	17	45	60
Financial contracted sales average price (\$A/MWh)	\$47.9	\$65.7	\$47.9	\$49.8	\$47.9	\$66.5
Cost to supply electricity customers (\$A/MWh)	\$82.0	\$85.5	\$152.6	\$187.1	\$119.2	\$82.7
Cost to supply gas customers (\$A/GJ)	\$12.0	\$11.3	\$13.5	\$10.5	\$12.8	\$10.7
Cost of financial contracts (\$A/MWh)	\$50.8	\$53.5	\$102.7	\$118.4	\$76.7	\$54.9
Powershop electricity customer connections ⁷	141,723	137,530	141,149	142,029		
Powershop gas customer connections ⁸	44,805	38,978	44,272	43,905		

Australia

	AUGUST 2021 MONTH	AUGUST 2020 MONTH	JULY 2021 MONTH	JUNE 2021 MONTH	2 MONTHS TO AUGUST 2021	2 MONTHS TO AUGUST 2020
Australian generation						
Wind generation volumes (GWh)	54	60	68	49	123	95
Average wind generation price ⁵ (\$A/MWh)	\$64.0	\$90.4	\$92.6	\$100.3	\$79.9	\$90.4
Hydro generation volumes (GWh)	23	4	16	3	39	4
Average hydro generation price ⁵ (\$A/MWh)	\$83.6	\$51.7	\$152.5	\$124.2	\$112.2	\$51.7
PPA generation received (GWh)	36	37	41	31	77	65
Average PPA generation price [net of costs] (\$A/MWh)	\$3.4	-\$3.4	\$30.9	\$39.8	\$18.0	-\$2.6
Australian hedging						
Hedging volume ⁶ (GWh)	40	42	33	30	73	77
Hedging costs (\$A/MWh)	\$92.1	\$78.3	\$87.2	\$71.5	\$89.9	\$64.8
Hedging spot revenue average price (\$A/MWh)	\$83.6	\$55.8	\$159.4	\$230.9	\$117.6	\$39.0
Future contract close outs (\$Am)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	-\$0.2

Meridian group

	AUGUST 2021 MONTH	AUGUST 2020 MONTH	JULY 2021 MONTH	JUNE 2021 MONTH	2 MONTHS TO AUGUST 2021	2 MONTHS TO AUGUST 2020
Meridian Group						
Employee and Operating Costs ⁹ (\$m)	22	21	20	30	42	42
Stay in Business Capital Expenditure (\$m)	3	4	3	11	6	6
Investment Capital Expenditure (\$m)	5	3	9	4	14	10
Total Capital Expenditure (\$m)	8	7	12	15	20	16

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
New Zealand contracted sales																				
Residential sales volume (GWh)	205	195																		
Small medium business sales volume (GWh)	149	127																		
Agricultural sales volume (GWh)	51	68																		
Large business sales volume (GWh)	49	47																		
Corporate and industrial sales volume (GWh)	321	322																		
Retail contracted sales volume (GWh)	776	759																		
Average retail contracted sales price (\$NZ/MWh)	\$122.6	\$124.0																		
NZAS sales volume (GWh)	426	426																		
Financial contract sales volumes (GWh)	197	297																		
Average wholesale & financial contracts sales price (\$NZ/MWh)	\$73.2	\$78.4																		
Retail customer supply volumes (GWh)	816	795																		
Cost to supply retail customers (\$NZ/MWh)	\$190.3	\$165.3																		
Cost to supply wholesale customers (\$NZ/MWh)	\$162.7	\$115.9																		
Cost of financial contracts (\$NZ/MWh)	\$159.9	\$137.5																		
Total New Zealand customer connections	350,961	353,357																		
New Zealand generation																				
Hydro generation volume (GWh)	1,000	1,020																		
Wind generation volume (GWh)	105	129																		
Total generation volume (GWh)	1,105	1,149																		
Average generation price (\$NZ/MWh)	\$166.2	\$136.1																		
New Zealand hedging																				
Hedging volume (GWh)	394	325																		
Hedging cost average price (\$NZ/MWh)	\$129.6	\$121.5																		
Hedging spot revenue average price (\$NZ/MWh)	\$164.1	\$140.7																		
Future contract close outs (\$NZm)	-0.7	0.1																		
Australia contracted sales																				
Retail contracted electricity sales volume (GWh)	93	84																		
Average electricity contracted sales price ¹ (\$A/MWh)	\$150.9	\$86.4																		
Retail contracted gas sales volume (TJ)	302	261																		
Average gas contracted sales price ¹ (\$A/GJ)	\$19.1	\$15.9																		
Financial contract sales volumes ² (GWh)	22	22																		
Financial contract sales average price (\$A/MWh)	\$47.9	\$47.9																		
Cost to supply electricity customers (\$A/MWh)	\$152.6	\$82.0																		
Cost to supply gas customers (\$A/GJ)	\$13.5	\$12.0																		
Cost of financial contracts (\$A/MWh)	\$102.7	\$50.8																		
Powershop electricity customer connections ⁷	141,149	141,723																		
Powershop gas customer connections ⁸	44,272	44,805																		
Australia generation																				
Wind generation volume (GWh)	68	54																		
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Hydro generation volume (GWh)	16	23																		
Average hydro generation price (\$A/MWh)	\$152.5	\$83.6																		
PPA generation received (GWh)	41	36																		
Average PPA generation price [net of costs] (\$A/MWh)	\$30.9	\$3.4																		
Australia hedging																				
Hedging volume (GWh)	33	40																		
Hedging costs (\$A/MWh)	\$87.2	\$92.1																		
Hedging spot revenue average price (\$A/MWh)	\$159.4	\$83.6																		
Future contract close outs (\$A M)	\$0.0	\$0.0																		
Meridian Group																				
Employee and Operating Costs (\$NZ m)	20	22																		
Stay in Business Capital Expenditure (\$NZ m)	3	3																		
Investment Capital Expenditure (\$NZ m)	9	5																		
Total Capital Expenditure (\$NZ m)	12	8																		

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
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