



Meridian.

# Wind. Water. Sun.

The power to make  
a difference.

## MONTHLY OPERATING REPORT JUNE 2020



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# JUNE HIGHLIGHTS

In the month to 20 July 2020, national hydro storage decreased from 103% to 75% of historical average

South Island storage sat at 75% of average and North Island storage at 76% of average on 20 July 2020

Meridian's June 2020 monthly total inflows were 78% of historical average

Meridian's Waitaki catchment storage at the end of June 2020 was 73% of historical average

Storage in Meridian's Waiau catchment was below average at the end of June 2020

National electricity demand in June 2020 was 1.1% lower than the same month last year

Weekly demand continued its relatively strong levels through Alert Level 1

June 2020 was a warm start to winter across much of the country. While most of the North Island saw above average rainfall, southern and western parts of the South Island were comparatively dry

Meridian made calls under the Genesis swaption during June 2020 and July 2020

New Zealand Aluminium Smelter's average load during June 2020 was 565MW as the 4<sup>th</sup> potline at Tiwai Point remains suspended in response to COVID-19

Meridian's New Zealand retail sales volumes in June 2020 were 15.6% higher than June 2019

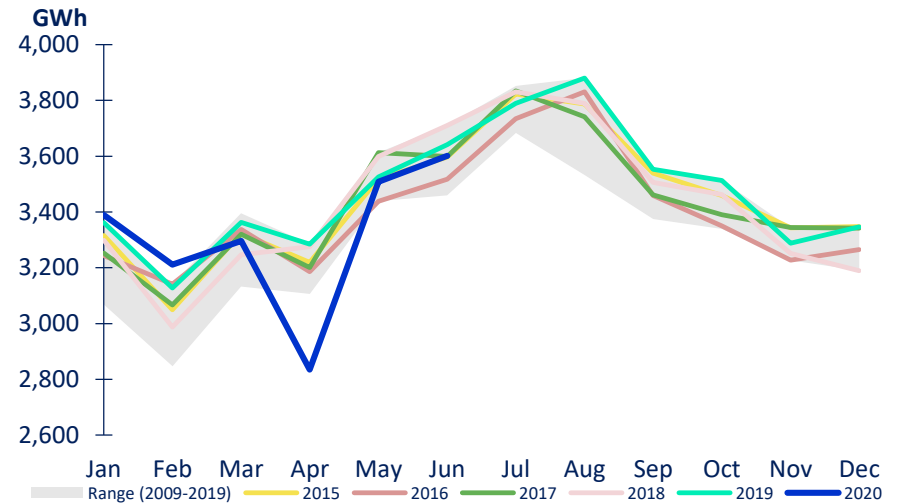
Compared to June 2019, Meridian saw increased segment sales in all segments: residential (+6.0%), small medium business (+4.3%) agricultural (+19.4%), large business (+18.8%) and corporate (+26.3%)

# MARKET DATA

<sup>1</sup>for up to six months from April 2020

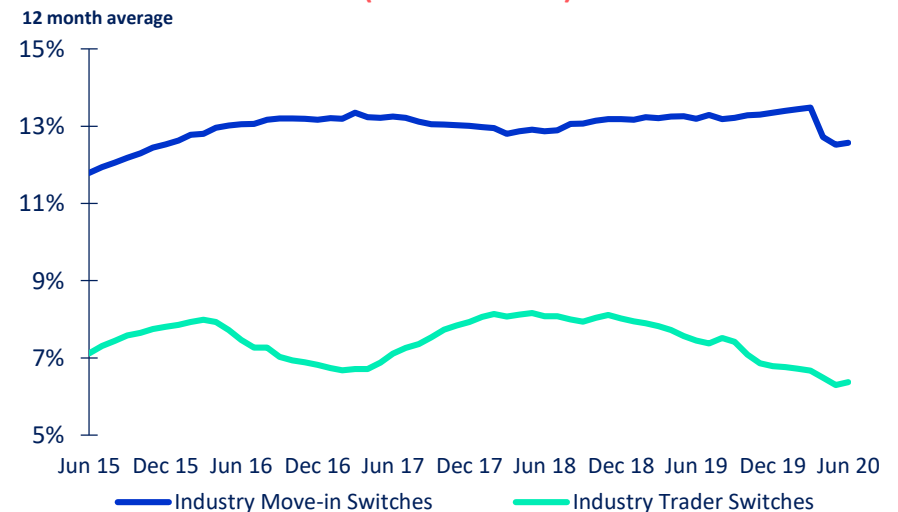
- National electricity demand in June 2020 was 1.1% lower than the same month last year
- June 2020 was a warm start to winter across much of the country. While most of the North Island saw above average rainfall, southern and western parts of the South Island were comparatively dry
- Demand in the last 12 months was 0.3% lower than the preceding 12 months
- Weekly demand continued its relatively strong levels through Alert Level 1
- New Zealand Aluminium Smelter’s average load during May 2020 was 565MW as the 4<sup>th</sup> potline at Tiwai Point remains suspended in response to COVID-19<sup>1</sup>
- 12-month average switching rate of customers changing retailers but not moving (“trader” switch) was 6.4% at the end of June 2020
- 12-month average switching rate of customers moving and changing retailers (“move-in” switch) was 12.6% at the end of June 2020

## NATIONAL DEMAND



Source: Electricity Authority (reconciled demand)

## MARKET ICP SWITCHING (ALL RETAILERS)

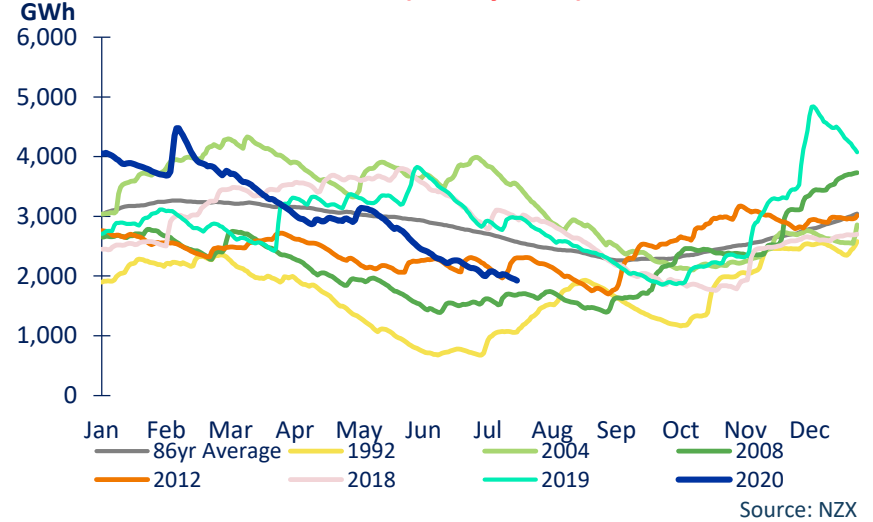


Source: Electricity Authority

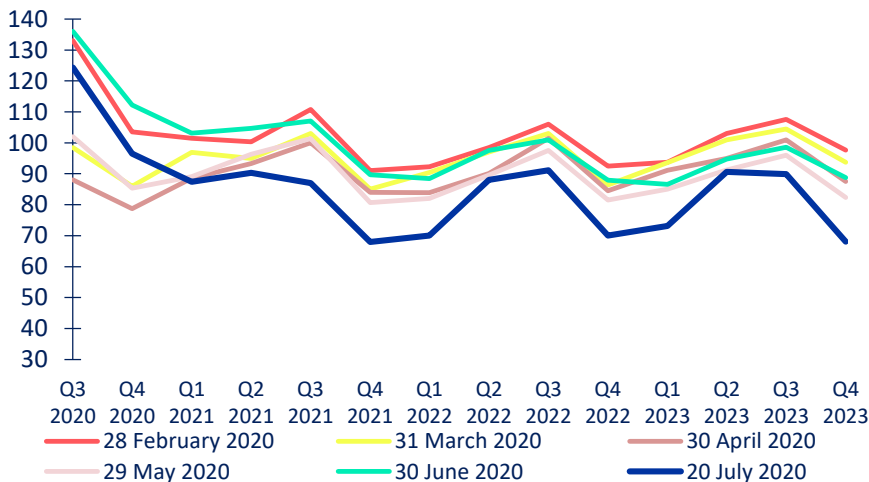
# MARKET DATA

- June 2020 saw decreases in ASX prices following the Tiwai smelter contract termination notice announced by Rio Tinto
- National storage decreased from 80% of average on 11 June 2020 to 75% of average on 20 July 2020
- South Island storage decreased to 75% of historical average on 20 July 2020. North Island storage increased to 76% of average

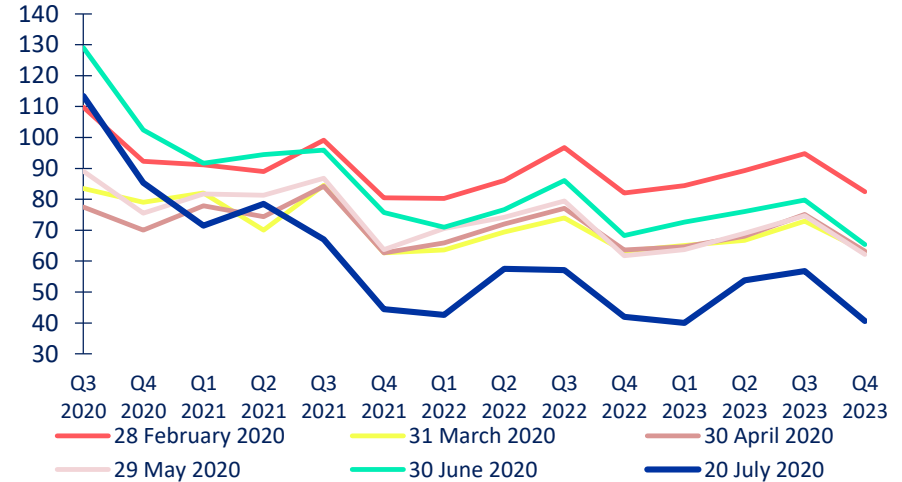
**NATIONAL HYDRO STORAGE (20 July 2020)**



**OTAHUHU ASX FUTURES SETTLEMENT PRICE**  
\$/MWh



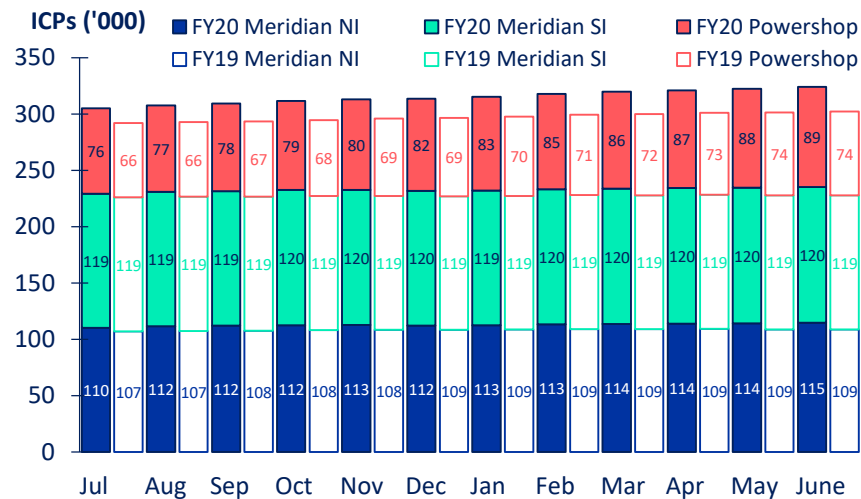
**BENMORE ASX FUTURES SETTLEMENT PRICE**  
\$/MWh



# NEW ZEALAND RETAIL

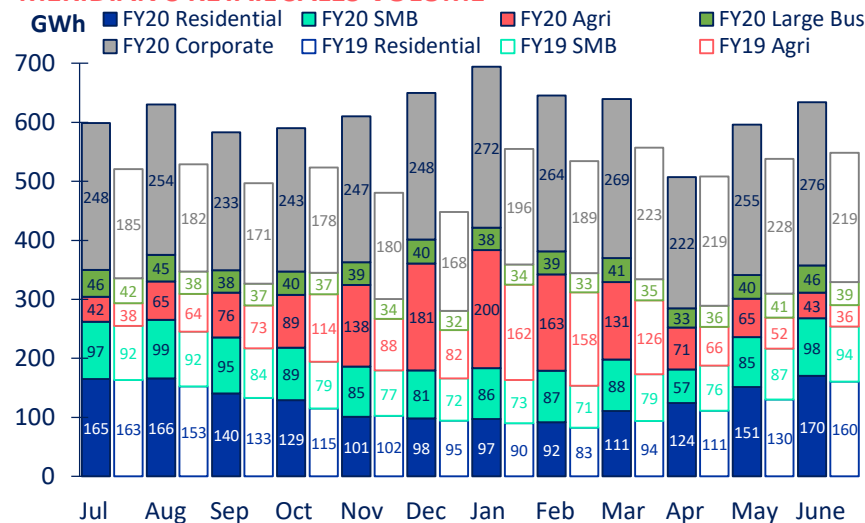
- Meridian's New Zealand customer connection numbers rose 0.6% during June 2020 and have risen 7.3% since June 2019
- Retail sales volumes in June 2020 were 15.6% higher than June 2019
- Compared to June 2019, Meridian saw increased segment sales in all segments: residential (+6.0%), small medium business (+4.3%) agricultural (+19.4%), large business (+18.8%) and corporate (+26.3%)
- This financial year, retail sales volumes are 18.2% higher than the same period last year
- This reflects increases across all segments; residential (+8.1%), small medium business (+7.3%), agricultural (+19.6%), large business (+10.6%) and corporate (+29.8%)

## MERIDIAN'S NZ CUSTOMER CONNECTIONS



Source: Meridian

## MERIDIAN'S RETAIL SALES VOLUME\*



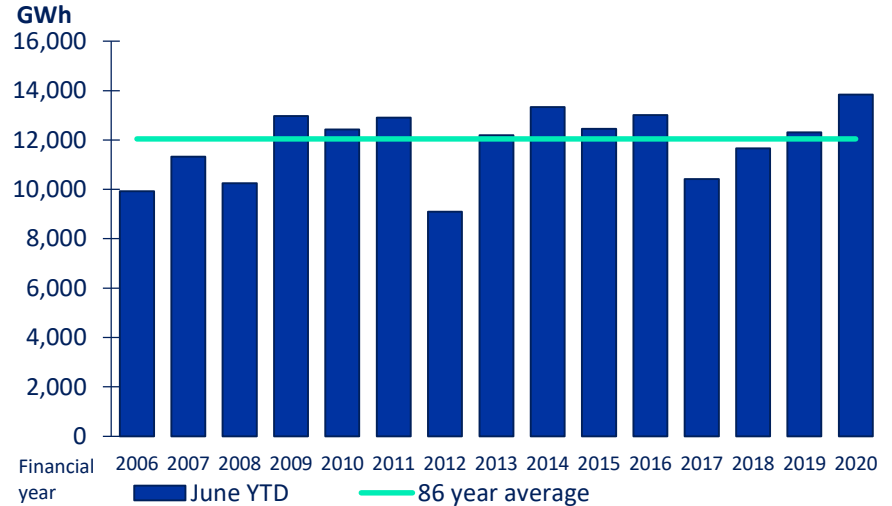
Source: Meridian

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

# NEW ZEALAND STORAGE

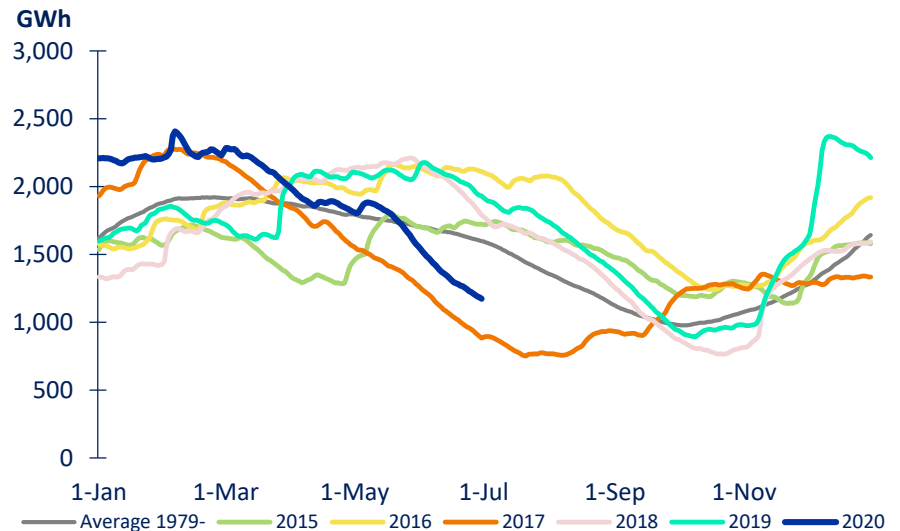
- June 2020 monthly inflows were 78% of historical average
- To date this financial year, inflows are 115% of historical average
- Meridian's Waitaki catchment storage moved from 1,560GWh to 1,173GWh during June 2020
- Waitaki storage at the end of June 2020 was 73% of historical average and 39% lower than the same time last year
- Storage in Meridian's Waiau catchment was also below average at the end of June 2020

## MERIDIAN'S COMBINED CATCHMENT INFLOWS



Source: Meridian

## MERIDIAN'S WAITAKI STORAGE

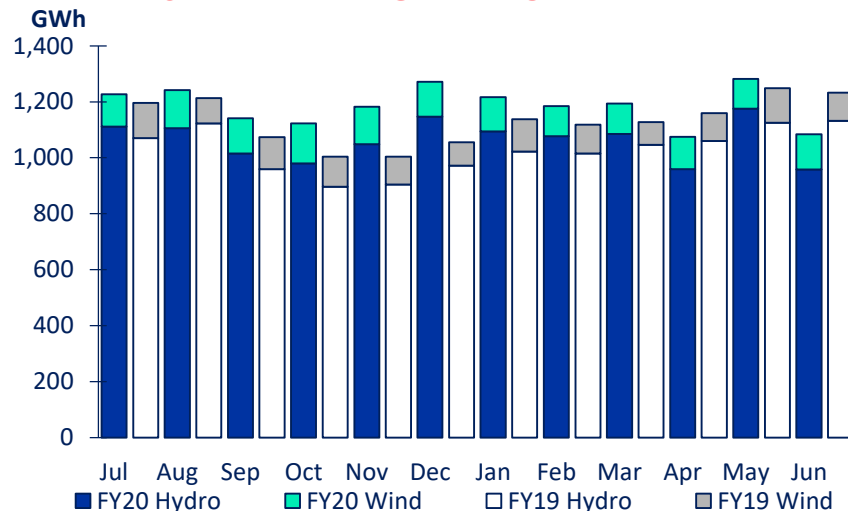


Source: Meridian

# NEW ZEALAND GENERATION

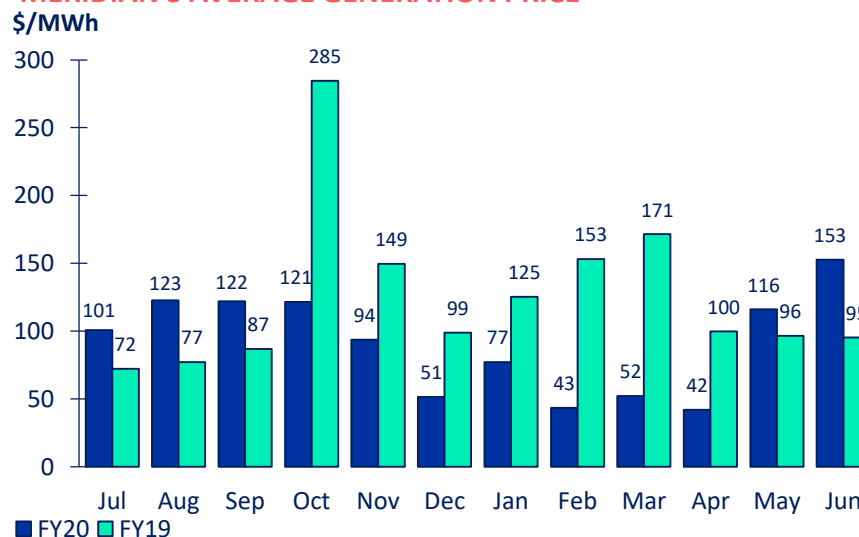
- Meridian's New Zealand generation in June 2020 was 12.0% higher than the same month last year, reflecting lower hydro and higher wind generation
- This financial year, Meridian's New Zealand generation is 4.8% higher than the same period last year, reflecting higher hydro and wind generation
- The average price Meridian received for its generation in June 2020 was 60.4% higher than the same month last year
- The average price Meridian paid to supply customers in June 2020 was 55.9% higher than the same month last year
- This financial year, the average price Meridian received for its generation is 26.2% lower than the same period last year and the average price paid to supply customers is 23.7% lower

**MERIDIAN'S NEW ZEALAND GENERATION**



Source: Meridian

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



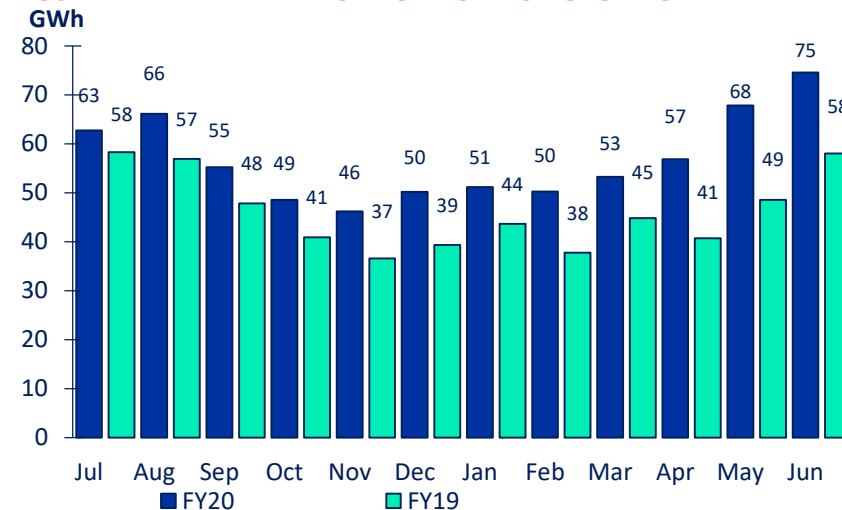
Source: Meridian

\*price received for Meridian's physical generation

# AUSTRALIAN RETAIL

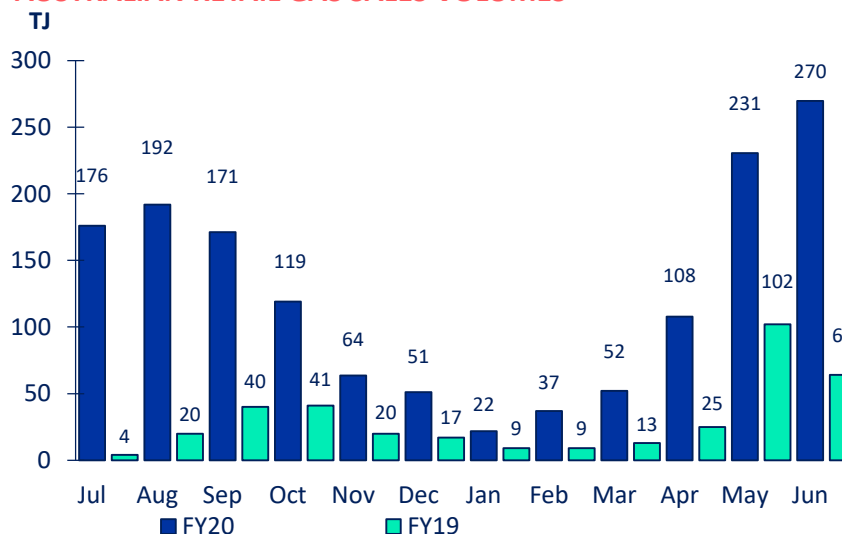
- Australian retail electricity sales volumes in June 2020 were 28.5% higher than the same month last year
- This financial year, Australian retail electricity sales volume is 23.5% higher than the same period last year
- Powershop Australia electricity customer connection numbers rose 0.4% during June 2020 and have risen 24.0% since June 2019
- Gas customer connection numbers rose 2.5% during June 2020, with total sales in the month of 270TJ

**AUSTRALIAN RETAIL ELECTRICITY SALES VOLUMES**



Source: Meridian

**AUSTRALIAN RETAIL GAS SALES VOLUMES**



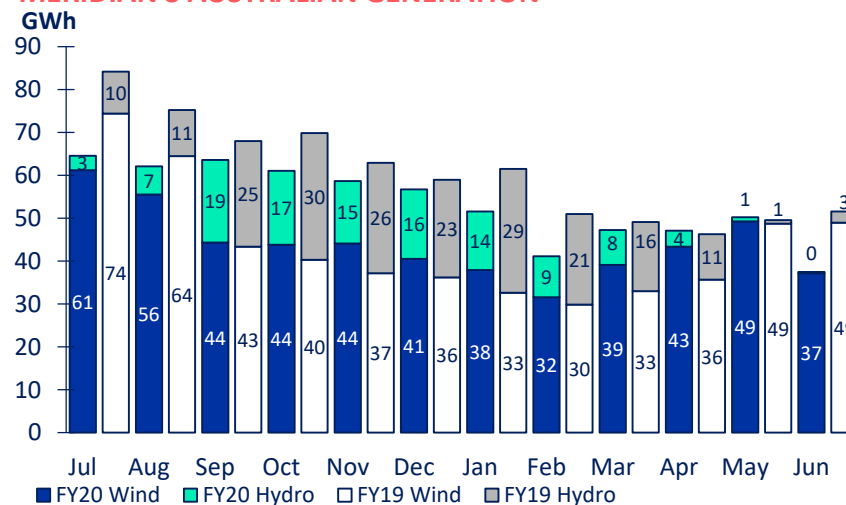
Source: Meridian  
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# AUSTRALIAN GENERATION

- Meridian's Australian generation in June 2020 was 27.3% lower than the same month last year, reflecting lower wind generation and higher hydro generation
- To date this financial year, Meridian's Australian generation is 11.9% lower than the same period last year, reflecting higher wind generation and lower hydro generation
- Demand in the Australian market in June 2020 was 1% lower than June 2019
- June 2020 average wholesale prices were 52% lower than the same month last year

**MERIDIAN'S AUSTRALIAN GENERATION**



Source: Meridian

	JUNE 2020 MONTH	JUNE 2019 MONTH	MAY 2020 MONTH	APRIL 2020 MONTH	12 MONTHS TO JUNE 2020	12 MONTHS TO JUNE 2019
<b>New Zealand sales</b>						
Residential sales volume (GWh)	170	160	151	124	1,547	1,431
Small medium business sales volume (GWh)	98	94	85	57	1,046	975
Agricultural sales volume (GWh)	43	36	65	71	1,265	1,058
Large business sales volume (GWh)	46	39	40	33	484	438
Corporate and industrial sales volume (GWh)	277	219	255	222	3,034	2,338
<b>Retail contracted sales volume (GWh)</b>	<b>634</b>	<b>548</b>	<b>596</b>	<b>507</b>	<b>7,376</b>	<b>6,240</b>
Average retail contracted sales price <sup>1</sup> (\$NZ/MWh)	\$116.5	\$113.9	\$106.8	\$109.2	\$107.8	\$104.9
NZAS sales volume (GWh)	412	448	426	416	5,358	5,310
Financial contract sales volumes <sup>2</sup> (GWh)	280	129	318	222	2,527	2,240
Avg. wholesale & financial contracts sales price <sup>3</sup> (\$NZ/MWh)	\$67.4	\$69.6	\$65.4	\$64.8	\$66.9	\$69.4
Retail customer supply volumes (GWh)	724	592	624	537	7,794	6,608
Cost to supply retail customers (\$NZ/MWh)	\$159.4	\$102.8	\$132.3	\$50.1	\$104.5	\$142.8
Cost to supply wholesale customers (\$NZ/MWh)	\$155.4	\$89.7	\$113.4	\$43.4	\$88.8	\$123.5
Cost of financial contracts (\$NZ/MWh)	\$130.6	\$103.0	\$98.9	\$52.1	\$86.3	\$122.7
Total New Zealand customer connections <sup>4</sup>	324,253	302,277	322,448	321,051		

	<b>JUNE 2020 MONTH</b>	<b>JUNE 2019 MONTH</b>	<b>MAY 2020 MONTH</b>	<b>APRIL 2020 MONTH</b>	<b>12 MONTHS TO JUNE 2020</b>	<b>12 MONTHS TO JUNE 2019</b>
<b>New Zealand generation</b>						
Hydro generation volumes (GWh)	958	1,132	1,176	959	12,758	12,326
Wind generation volumes (GWh)	126	100	106	116	1,465	1,244
<b>Total generation volumes (GWh)</b>	<b>1,084</b>	<b>1,232</b>	<b>1,282</b>	<b>1,075</b>	<b>14,244</b>	<b>13,570</b>
Average generation price <sup>5</sup> (\$NZ/MWh)	\$152.7	\$95.2	\$116.0	\$41.9	\$91.0	\$123.3

<b>New Zealand hedging</b>						
Hedging volume <sup>6</sup> (GWh)	317	138	218	239	2,730	1,964
Hedging costs (\$NZ/MWh)	\$87.6	\$63.9	\$70.1	\$77.4	\$83.3	\$67.7
Hedging spot revenue average price (\$NZ/MWh)	\$134.9	\$97.5	\$101.9	\$51.5	\$92.5	\$135.9
Future contract close outs (\$NZ m)	-\$2.3	-\$0.1	-\$4.3	-\$2.0	-\$13.9	-\$8.0

	<b>JUNE 2020 MONTH</b>	<b>JUNE 2019 MONTH</b>	<b>MAY 2020 MONTH</b>	<b>APRIL 2020 MONTH</b>	<b>12 MONTHS TO JUNE 2020</b>	<b>12 MONTHS TO JUNE 2019</b>
<b>Australian contracted sales</b>						
Retail contracted electricity sales volume (GWh)	75	58	68	57	683	553
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$147.6	\$159.7	\$146.5	\$121.1	\$146.8	\$158.3
Retail contracted gas sales volume (TJ)	270	64	231	108	1,491	364
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$12.5	\$19.4	\$15.4	\$12.5	\$14.8	\$19.9
Financial contract sales volumes <sup>2</sup> (GWh)	22	42	19	7	537	612
Financial contracted sales average price (\$A/MWh)	\$59.8	\$80.9	\$69.5	\$176.6	\$92.5	\$78.2
Cost to supply electricity customers (\$A/MWh)	\$78.1	\$133.7	\$67.5	\$56.8	\$103.7	\$132.3
Cost to supply gas customers (\$A/GJ)	\$11.6	\$29.4	\$11.2	\$13.4	\$12.0	\$16.5
Cost of financial contracts (\$A/MWh)	\$42.3	\$100.5	\$39.8	\$87.4	\$80.3	\$101.8
Powershop electricity customer connections <sup>7</sup>	136,202	109,804	135,628	135,205		
Powershop gas customer connections <sup>8</sup>	37,878	22,612	36,955	36,077		

	JUNE 2020 MONTH	JUNE 2019 MONTH	MAY 2020 MONTH	APRIL 2020 MONTH	12 MONTHS TO JUNE 2020	12 MONTHS TO JUNE 2019
<b>Australian generation</b>						
Wind generation volumes (GWh)	37	49	49	43	528	525
Average wind generation price <sup>5</sup> (\$/MWh)	\$79.2	\$125.3	\$61.4	\$54.2	\$130.8	\$145.9
Hydro generation volumes (GWh)	0	3	1	4	113	203
Average hydro generation price <sup>5</sup> (\$/MWh)	\$58.5	\$77.4	\$39.9	\$39.1	\$86.2	\$111.4
PPA generation received (GWh)	28	31	32	30	367	225
Average PPA generation price [net of costs] (\$/MWh)	-\$9.1	\$34.2	-\$13.1	-\$14.5	\$14.9	\$27.7
<b>Australian hedging</b>						
Hedging volume <sup>6</sup> (GWh)	37	51	40	36	496	514
Hedging costs (\$/MWh)	\$80.6	\$94.7	\$49.6	\$79.3	\$99.0	\$98.7
Hedging spot revenue average price (\$/MWh)	\$55.0	\$98.5	\$42.9	\$41.7	\$76.9	\$106.9
Future contract close outs (\$A M)	\$0.0	\$0.1	\$0.7	\$0.8	\$2.7	\$0.0

	JUNE 2020 MONTH	JUNE 2019 MONTH	MAY 2020 MONTH	APRIL 2020 MONTH	12 MONTHS TO JUNE 2020	12 MONTHS TO JUNE 2019
<b>Meridian Group</b>						
Employee and Operating Costs (\$m)	28	31	22	23	288	282
Stay in Business Capital Expenditure (\$m)	6	9	3	3	45	48
Investment Capital Expenditure (\$m)	3	1	1	1	19	16
<b>Total Capital Expenditure (\$m)</b>	<b>9</b>	<b>10</b>	<b>4</b>	<b>4</b>	<b>64</b>	<b>64</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

# FY20 OPERATING INFORMATION

	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020	Feb 2020	Mar 2020	Apr 2020	May 2020	Jun 2020
<b>New Zealand contracted sales</b>												
Residential sales volume (GWh)	165	166	140	129	101	98	97	92	111	124	151	170
Small medium business sales volume (GWh)	97	99	95	89	85	81	86	87	88	57	85	98
Agricultural sales volume (GWh)	42	65	76	89	138	181	200	163	131	71	65	43
Large business sales volume (GWh)	46	45	38	40	39	40	38	39	41	33	40	46
Corporate and industrial sales volume (GWh)	249	254	233	243	247	248	272	264	269	222	255	277
<b>Retail contracted sales volume (GWh)</b>	<b>599</b>	<b>630</b>	<b>583</b>	<b>590</b>	<b>610</b>	<b>650</b>	<b>694</b>	<b>646</b>	<b>639</b>	<b>507</b>	<b>596</b>	<b>634</b>
Average retail contracted sales price (\$NZ/MWh)	\$113.5	\$115.4	\$109.5	\$102.7	\$99.8	\$100.0	\$103.3	\$109.5	\$108.3	\$109.2	\$106.8	\$116.5
NZAS sales volume (GWh)	463	463	447	463	448	463	463	433	463	416	426	412
Financial contract sales volumes (GWh)	150	176	148	129	135	164	170	283	354	222	318	280
Average wholesale & financial contracts sales price (\$NZ/MW)	\$69.9	\$70.9	\$68.4	\$67.0	\$65.3	\$62.3	\$66.5	\$68.7	\$66.7	\$64.8	\$65.4	\$67.4
Retail customer supply volumes (GWh)	645	662	581	623	650	669	733	682	666	537	624	724
Cost to supply retail customers (\$NZ/MWh)	\$110.4	\$135.6	\$129.3	\$130.2	\$112.7	\$57.1	\$95.1	\$67.9	\$67.4	\$50.1	\$132.3	\$159.4
Cost to supply wholesale customers (\$NZ/MWh)	\$97.9	\$120.5	\$126.1	\$118.7	\$89.6	\$45.4	\$76.8	\$36.6	\$44.7	\$43.4	\$113.4	\$155.4
Cost of financial contracts (\$NZ/MWh)	\$101.9	\$118.2	\$120.5	\$112.6	\$92.8	\$81.6	\$86.7	\$47.0	\$45.7	\$52.1	\$98.9	\$130.6
<b>Total New Zealand customer connections</b>	<b>304,993</b>	<b>307,798</b>	<b>309,372</b>	<b>311,694</b>	<b>313,150</b>	<b>313,599</b>	<b>315,225</b>	<b>317,784</b>	<b>319,778</b>	<b>321,051</b>	<b>322,448</b>	<b>324,253</b>
<b>New Zealand generation</b>												
Hydro generation volume (GWh)	1,111	1,106	1,015	980	1,049	1,147	1,095	1,077	1,085	959	1,176	958
Wind generation volume (GWh)	116	135	126	143	133	125	122	108	109	116	106	126
<b>Total generation volume (GWh)</b>	<b>1,227</b>	<b>1,241</b>	<b>1,141</b>	<b>1,123</b>	<b>1,182</b>	<b>1,272</b>	<b>1,217</b>	<b>1,185</b>	<b>1,194</b>	<b>1,075</b>	<b>1,282</b>	<b>1,084</b>
Average generation price (\$NZ/MWh)	\$100.7	\$122.7	\$121.9	\$121.4	\$93.7	\$51.4	\$77.1	\$43.4	\$52.1	\$41.9	\$116.0	\$152.7
<b>New Zealand hedging</b>												
Hedging volume (GWh)	145	139	132	145	148	182	296	342	428	239	218	317
Hedging costs (\$NZ/MWh)	\$65.0	\$63.2	\$62.2	\$64.4	\$67.3	\$64.4	\$96.1	\$100.7	\$106.4	\$77.4	\$70.1	\$87.6
Hedging spot revenue average price (\$NZ/MWh)	\$104.4	\$130.5	\$124.0	\$122.6	\$104.1	\$63.1	\$100.0	\$75.1	\$59.8	\$51.5	\$101.9	\$134.9
Future contract close outs (\$NZm)	-0.3	-0.6	-1.4	-1.5	-0.2	-0.9	-0.2	-0.2	-0.1	-2.0	-4.3	-2.3
<b>Australia contracted sales</b>												
Retail contracted electricity sales volume (GWh)	63	66	55	49	46	50	51	50	53	57	68	75
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$149.8	\$147.0	\$131.2	\$168.0	\$174.0	\$161.1	\$130.0	\$150.4	\$142.0	\$121.1	\$146.5	\$147.6
Retail contracted gas sales volume (TJ)	176	192	171	119	64	51	22	37	52	108	231	270
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$13.9	\$14.0	\$13.4	\$13.8	\$18.9	\$20.0	\$33.4	\$22.2	\$18.7	\$12.5	\$15.4	\$12.5
Financial contract sales volumes <sup>2</sup> (GWh)	54	43	60	65	63	68	46	43	46	7	19	22
Financial contracted sales average price (\$A/MWh)	\$83.3	\$86.1	\$90.1	\$80.1	\$80.1	\$79.2	\$122.0	\$122.0	\$122.0	\$176.6	\$69.5	\$59.8
Cost to supply electricity customers (\$A/MWh)	\$105.5	\$126.4	\$118.0	\$119.9	\$89.2	\$82.2	\$257.6	\$111.9	\$53.6	\$56.8	\$67.5	\$78.1
Cost to supply gas customers (\$A/GJ)	\$11.8	\$11.4	\$9.8	\$8.6	\$14.0	\$9.9	\$41.1	\$20.4	\$13.6	\$13.4	\$11.2	\$11.6
Cost of financial contracts (\$A/MWh)	\$86.9	\$101.0	\$103.6	\$100.1	\$68.3	\$58.2	\$138.8	\$52.2	\$45.8	\$87.4	\$39.8	\$42.3
Powershop electricity customer connections <sup>7</sup>	111,373	112,995	115,099	118,721	121,575	124,668	127,847	131,647	134,399	135,205	135,628	136,202
Powershop gas customer connections <sup>8</sup>	24,096	25,240	26,529	27,858	29,182	30,465	32,387	33,428	35,392	36,077	36,955	37,878
<b>Australia generation</b>												
Wind generation volume (GWh)	61	56	44	44	44	41	38	32	39	43	49	37
Average wind generation price (\$A/MWh)	\$115.7	\$124.7	\$127.3	\$125.5	\$110.3	\$101.9	\$225.9	\$474.6	\$77.8	\$54.2	\$61.4	\$79.2
Hydro generation volume (GWh)	3	7	19	17	15	16	14	9	8	4	1	0
Average hydro generation price (\$A/MWh)	\$81.0	\$104.0	\$99.2	\$99.4	\$66.9	\$64.4	\$153.1	\$56.4	\$43.8	\$39.1	\$39.9	\$58.5
PPA generation received (GWh)	35	34	30	31	30	29	29	28	30	30	32	28
Average PPA generation price [net of costs] (\$A/MWh)	\$22.9	\$30.3	\$38.4	\$45.2	\$16.5	\$7.8	\$59.5	\$1.4	-\$8.9	-\$14.5	-\$13.1	-\$9.1
<b>Australia hedging</b>												
Hedging volume (GWh)	36	39	36	50	48	50	39	43	42	36	40	37
Hedging costs (\$A/MWh)	\$67.2	\$98.6	\$107.3	\$95.5	\$89.9	\$89.9	-\$23.1	\$197.7	\$185.1	\$79.3	-\$49.6	\$80.6
Hedging spot revenue average price (\$A/MWh)	\$99.6	\$105.4	\$111.4	\$107.7	\$72.3	\$58.6	\$130.3	\$58.6	\$43.5	\$41.7	\$42.9	\$55.0
Future contract close outs (\$A M)	\$0.0	\$0.2	-\$0.1	\$0.0	\$0.7	-\$0.1	\$0.0	\$0.5	-\$0.1	\$0.8	\$0.7	\$0.0
<b>Meridian Group</b>												
Employee and Operating Costs (\$NZ m)	24	24	25	25	24	22	22	24	24	23	22	28
Stay in Business Capital Expenditure (\$NZ m)	4	3	4	4	4	4	3	3	4	3	3	6
Investment Capital Expenditure (\$NZ m)	1	2	2	1	2	1	1	2	2	1	1	3
<b>Total Capital Expenditure (\$NZ m)</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>4</b>	<b>9</b>

# FY19 OPERATING INFORMATION

	Jul 2018	Aug 2018	Sep 2018	Oct 2018	Nov 2018	Dec 2018	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019
<b>New Zealand contracted sales</b>												
Residential sales volume (GWh)	163	153	133	115	102	95	90	83	94	111	130	160
Small medium business sales volume (GWh)	92	92	84	79	77	72	73	71	79	76	86	94
Agricultural sales volume (GWh)	38	64	73	114	88	82	162	158	126	66	52	36
Large business sales volume (GWh)	42	38	37	37	34	32	34	33	35	36	41	39
Corporate and industrial sales volume (GWh)	185	182	171	178	180	168	196	189	223	219	228	219
<b>Retail contracted sales volume (GWh)</b>	<b>521</b>	<b>529</b>	<b>497</b>	<b>523</b>	<b>480</b>	<b>448</b>	<b>555</b>	<b>534</b>	<b>557</b>	<b>508</b>	<b>538</b>	<b>548</b>
Average retail contracted sales price (\$NZ/MWh)	\$113.1	\$110.7	\$106.7	\$98.3	\$98.5	\$95.5	\$98.2	\$102.0	\$101.3	\$105.4	\$112.7	\$113.9
NZAS sales volume (GWh)	426	426	411	439	444	463	463	418	463	448	463	448
Financial contract sales volumes (GWh)	386	196	140	149	146	217	157	196	187	168	168	129
Average wholesale & financial contracts sales price (\$NZ/MW)	\$63.9	\$58.5	\$58.0	\$65.9	\$72.7	\$68.9	\$69.4	\$80.6	\$80.3	\$73.0	\$72.3	\$69.6
Retail customer supply volumes (GWh)	541	560	528	554	509	468	581	572	587	538	578	592
Cost to supply retail customers (\$NZ/MWh)	\$87.1	\$90.0	\$95.0	\$309.8	\$183.0	\$115.5	\$141.3	\$171.6	\$186.0	\$113.4	\$113.3	\$102.8
Cost to supply wholesale customers (\$NZ/MWh)	\$68.9	\$74.4	\$88.7	\$284.1	\$137.1	\$98.1	\$125.8	\$153.6	\$168.2	\$97.5	\$93.1	\$89.7
Cost of financial contracts (\$NZ/MWh)	\$71.8	\$93.1	\$94.3	\$267.7	\$152.7	\$116.5	\$126.1	\$156.8	\$163.0	\$104.4	\$96.3	\$103.0
<b>Total New Zealand customer connections</b>	<b>292,091</b>	<b>292,906</b>	<b>293,386</b>	<b>294,695</b>	<b>296,064</b>	<b>296,532</b>	<b>297,621</b>	<b>299,351</b>	<b>299,905</b>	<b>301,230</b>	<b>301,508</b>	<b>302,277</b>
<b>New Zealand generation</b>												
Hydro generation volume (GWh)	1,070	1,123	959	897	905	972	1,022	1,015	1,047	1,060	1,125	1,132
Wind generation volume (GWh)	126	90	115	107	99	83	116	104	81	99	123	100
<b>Total generation volume (GWh)</b>	<b>1,196</b>	<b>1,213</b>	<b>1,074</b>	<b>1,004</b>	<b>1,004</b>	<b>1,055</b>	<b>1,138</b>	<b>1,119</b>	<b>1,128</b>	<b>1,159</b>	<b>1,248</b>	<b>1,232</b>
Average generation price (\$NZ/MWh)	\$72.1	\$77.2	\$86.8	\$284.6	\$149.5	\$98.8	\$125.3	\$153.1	\$171.5	\$99.8	\$96.5	\$95.2
<b>New Zealand hedging</b>												
Hedging volume (GWh)	170	167	147	200	190	177	155	142	186	144	149	138
Hedging costs (\$NZ/MWh)	\$65.7	\$63.1	\$62.5	\$77.7	\$74.7	\$61.7	\$69.3	\$66.6	\$71.2	\$65.0	\$66.3	\$63.9
Hedging spot revenue average price (\$NZ/MWh)	\$74.5	\$80.8	\$87.9	\$290.6	\$180.8	\$104.6	\$127.7	\$157.7	\$168.4	\$103.1	\$101.9	\$97.5
Future contract close outs (\$NZm)	-0.1	-0.3	-0.6	-0.5	-0.5	-0.5	-0.4	-0.7	-2.8	-1.1	-0.4	-0.1
<b>Australia contracted sales</b>												
Retail contracted electricity sales volume (GWh)	58	57	48	41	37	39	44	38	45	41	49	58
Average electricity contracted sales price <sup>1</sup> (\$A/MWh)	\$149.6	\$168.9	\$159.4	\$150.4	\$151.5	\$165.9	\$160.0	\$159.2	\$157.2	\$153.2	\$162.2	\$159.7
Retail contracted gas sales volume (TJ)	4	20	40	41	20	17	9	9	13	25	102	64
Average gas contracted sales price <sup>1</sup> (\$A/GJ)	\$16.1	\$15.5	\$14.2	\$15.7	\$20.7	\$24.7	\$39.2	\$45.2	\$45.1	\$27.2	\$15.4	\$19.4
Financial contract sales volumes <sup>2</sup> (GWh)											51	42
Financial contracted sales average price (\$A/MWh)											\$64.1	\$80.9
Cost to supply electricity customers (\$A/MWh)	\$103.1	\$105.7	\$114.1	\$108.7	\$113.3	\$111.4	\$332.0	\$108.0	\$152.3	\$101.2	\$112.4	\$133.7
Cost to supply gas customers (\$A/GJ)	\$14.8	\$12.8	\$15.0	\$6.8	\$8.9	\$14.0	\$19.3	\$35.6	\$38.8	\$13.1	\$11.7	\$29.4
Cost of financial contracts (\$A/MWh)											\$70.1	\$100.5
Powershop electricity customer connections <sup>7</sup>	96,743	96,801	96,657	97,514	98,618	99,368	101,020	102,730	104,450	106,240	108,332	109,804
Powershop gas customer connections <sup>8</sup>	1,137	4,776	7,558	9,577	11,333	12,508	14,309	16,751	18,225	19,990	21,426	22,612
<b>Australia generation</b>												
Wind generation volume (GWh)	74	64	43	40	37	36	38	30	33	36	49	49
Average wind generation price (\$A/MWh)	\$153.0	\$148.0	\$163.9	\$178.3	\$123.2	\$134.9	\$225.9	\$151.6	\$175.3	\$138.9	\$143.9	\$125.3
Hydro generation volume (GWh)	10	11	25	30	26	23	14	21	16	11	1	3
Average hydro generation price (\$A/MWh)	\$37.3	\$46.0	\$128.6	\$92.0	\$90.9	\$94.8	\$153.1	\$86.3	\$123.1	\$91.2	\$79.3	\$77.4
PPA generation received (GWh)	11	10	7	13	12	11	29	22	23	29	33	31
Average PPA generation price [net of costs] (\$A/MWh)	-\$66.0	-\$63.9	-\$71.3	-\$65.5	\$121.3	\$20.8	\$59.5	\$34.3	\$42.0	\$22.8	\$40.4	\$34.2
<b>Australia hedging</b>												
Hedging volume (GWh)											80	51
Hedging costs (\$A/MWh)											\$65.6	\$94.7
Hedging spot revenue average price (\$A/MWh)											\$58.2	\$98.5
Future contract close outs (\$A M)	-\$0.1	-\$0.1	\$0.1	-\$0.1	\$0.0	\$0.0	\$0.0	\$0.2	\$0.1	-\$0.1	\$0.0	\$0.1
<b>Meridian Group</b>												
Employee and Operating Costs (\$NZ m)	22	23	24	22	22	22	22	22	23	22	26	29
Stay in Business Capital Expenditure (\$NZ m)	5	3	4	5	4	3	3	3	3	4	5	9
Investment Capital Expenditure (\$NZ m)	1	1	1	1	1	1	1	2	1	1	2	1
<b>Total Capital Expenditure (\$NZ m)</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>7</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>
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