



MANAWA ENERGY

Quarterly Operating Report

Q1 FY25

April 2024 – June 2024



Quarterly Insights

Tight market conditions driven by low inflows, declining hydro storage, strong demand, and elevated gas prices

Wholesale spot electricity prices were elevated across the period, with Otahuhu averaging \$264/MWh and Benmore \$251/MWh. This compares with \$87/MWh and \$67/MWh for the pcp.

National controlled storage fell from 91% of average to 66% of average across the quarter, driven by dry conditions and strong demand.

ASX futures prices also climbed – with CY25, CY26, and CY27 Otahuhu strip products increasing 14%, 7%, and 9% respectively across the quarter.

These have continued to climb into the start of Q2, with CY25 increasing a further 6% in the first few days of July.

Near-term ASX quarterly forward pricing products also rose, with all CY25 quarterly products increasing ~17%

National demand has been elevated compared to the 10-year average for the last 5 quarters, with the latest quarter 3.7% higher than the 10-year average.

Tiwai deal announcement in May removes uncertainty and provides significant confidence for new investment.

Hydro production impacted by dry conditions, wind volumes below average

Manawa's total hydro production for Q1 FY25 was 423GWh – 20% lower than the pcp which was dominated by wet conditions (and significantly lower prices).

Hydro volumes were 16% lower than long-run average (503GWh).

Total Manawa inflows across the quarter were 70GWh lower than long-run average, with South Island inflows significantly below average (49GWh).

Manawa's controlled hydro storage declined from 83% to 52% of average across the three months – reflective of very low inflows and strong spot pricing.

Wind PPA offtake volumes were 137GWh, in line with the pcp but 12% below average.

Significant progress on major projects – Esk scheme back to full capacity, Waipori works completed, and first new turbine commissioned at Matahina

The first of two new turbines at the Matahina scheme was successfully commissioned on schedule in June (expected to provide +12GWh pa average production uplift), second turbine replacement remains on track for completion mid-2025.

Both stations at Manawa's Esk Hydro Scheme are now back in service following extensive damage caused by cyclone Gabrielle. Toronui station returned to service in Oct 2023, Rimu station returned in Jun 2024.

Successful commissioning of new generator at Waipori #3 station marks the completion of the #3 and #4 Generator replacement programme at this scheme.

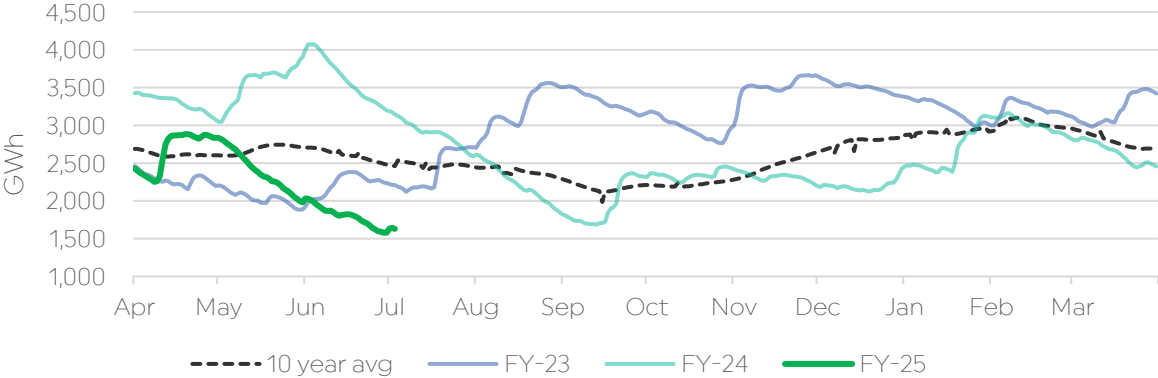
Major scheme outage at Highbank station for a full unit replacement remains on track to commence in September 2024. New components currently under construction.

Conversion of irrigation pumps (adjacent to Highbank scheme) to operate as both pumps and turbines is on track to be completed ahead of Highbank outage commencement.

Manawa's new head office was officially opened on 8th April.

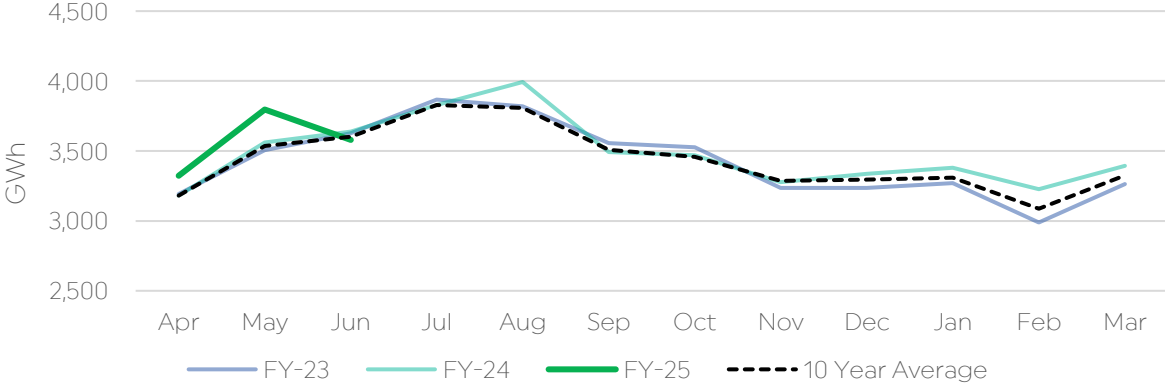
Wholesale Electricity Market

National Controlled Storage

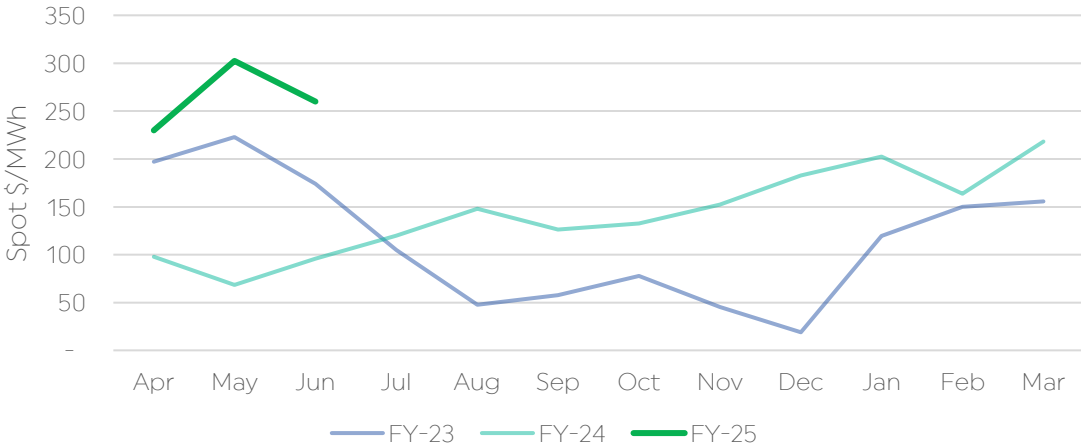


SOURCE: NZX Hydro

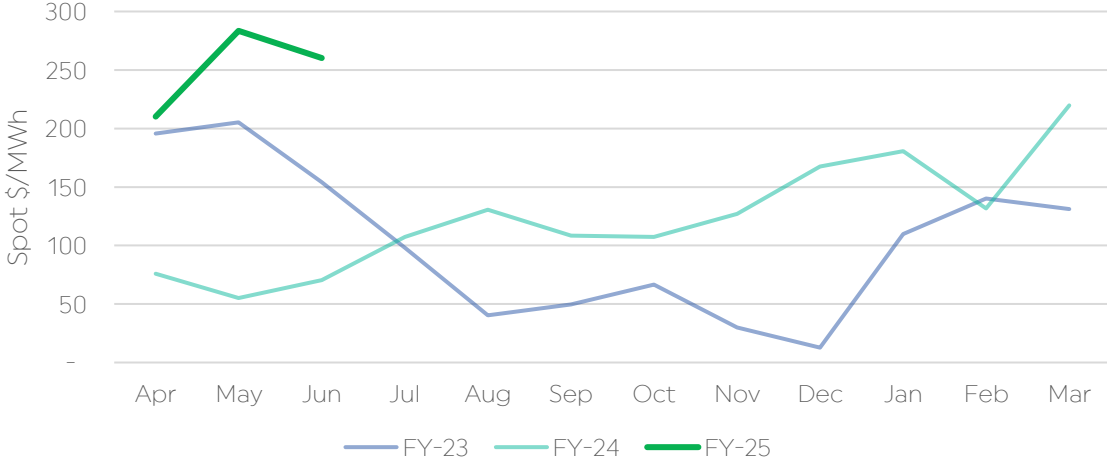
National Demand



Otahuhu Average Monthly Price

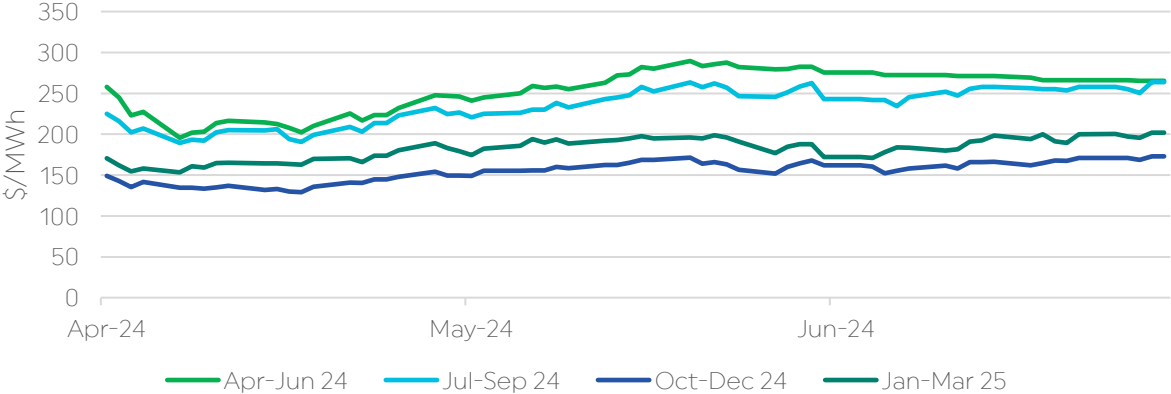


Benmore Average Monthly Price

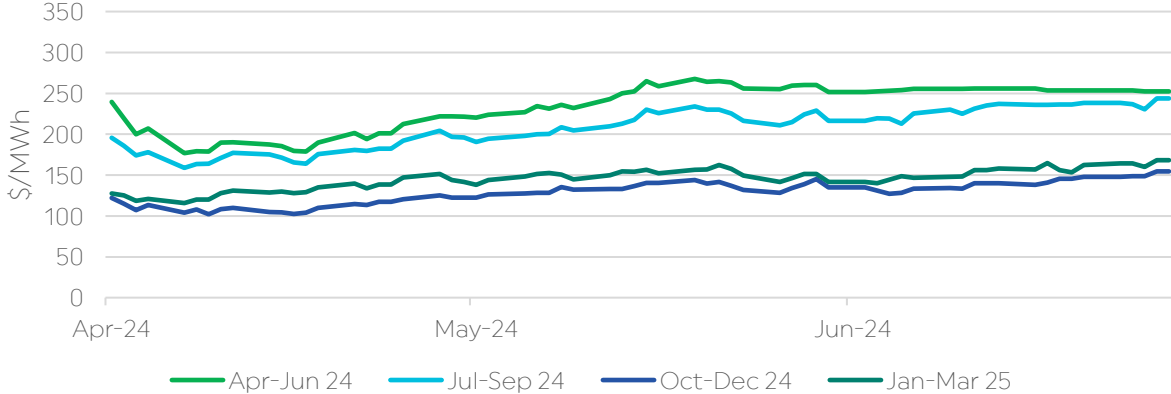


ASX Futures Market

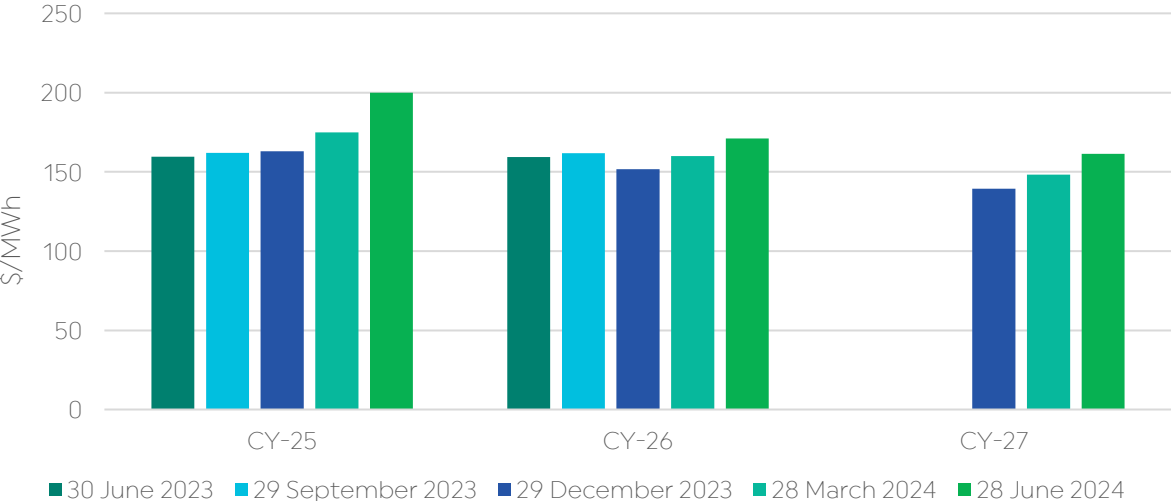
Otahuhu near-term ASX quarterly futures



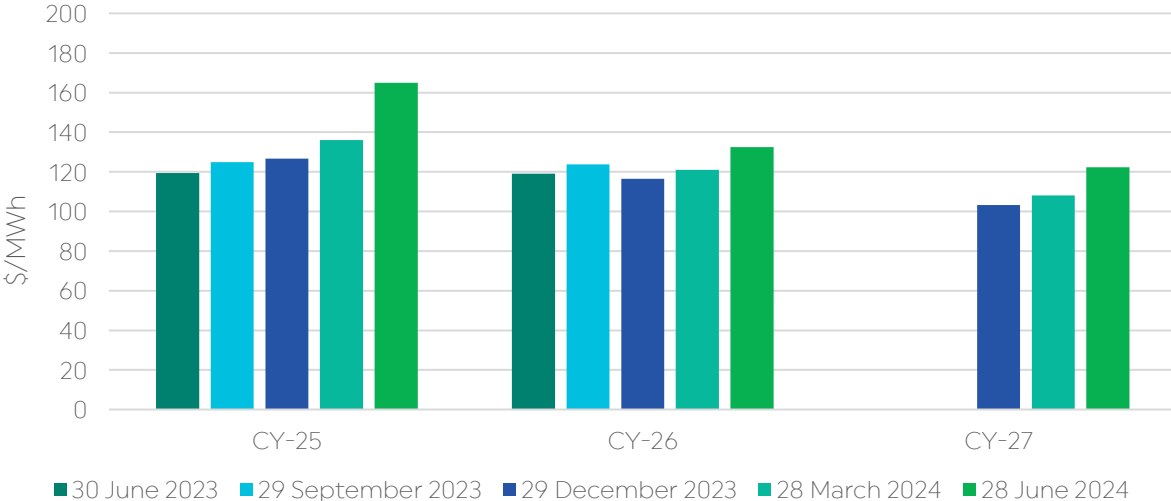
Benmore near-term ASX quarterly futures



Otahuhu ASX Strip Futures Settlement Prices

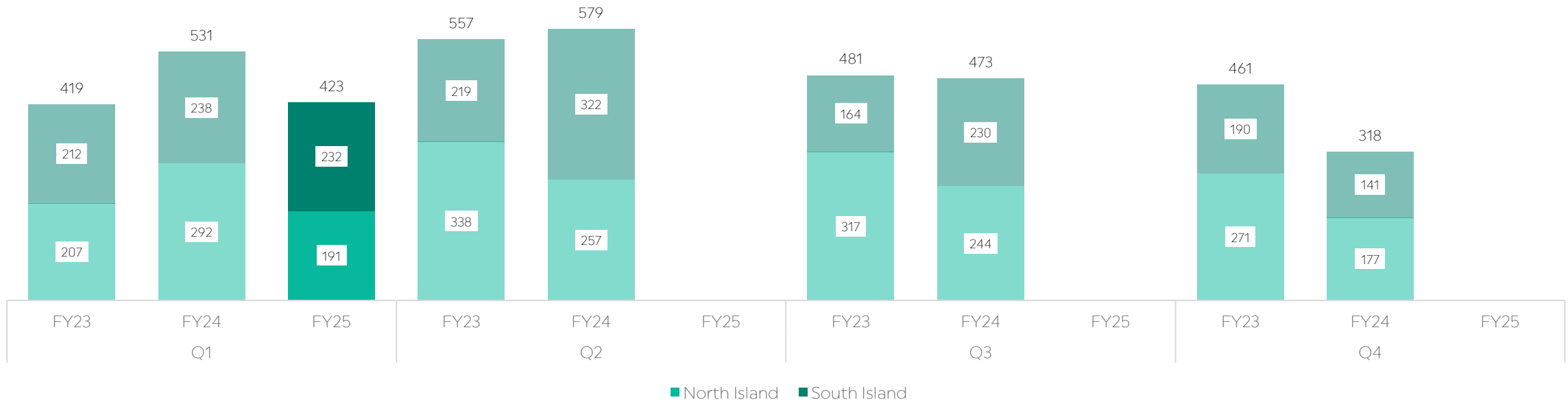


Benmore ASX Strip Futures Settlement Prices



Generation

Generation production volumes



Q1 FY25

NI Generation **↓35%** vs pcp
 SI Generation **↓3%** vs pcp

GWAP/TWAP

NI **1.01**
 SI **1.10**

YTD FY25

NI Generation **↓35%** vs pcp
 SI Generation **↓3%** vs pcp

GWAP/TWAP

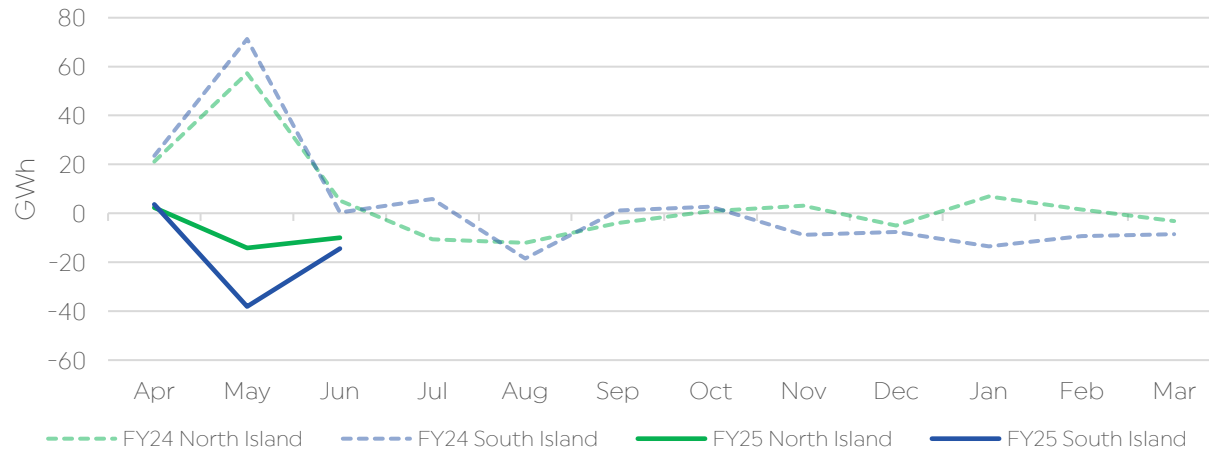
NI **1.01**
 SI **1.10**

Generation Weighted Average Price (GWAP)

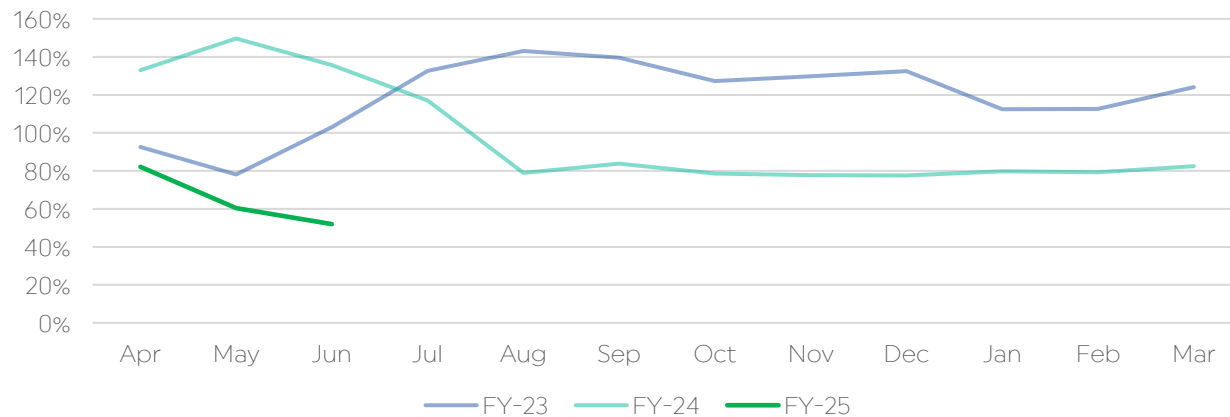
	Q1		YTD	
	FY25	FY24	FY25	FY24
North Island	268	90	268	90
South Island	278	86	278	86
TOTAL	273	88	273	88

Generation

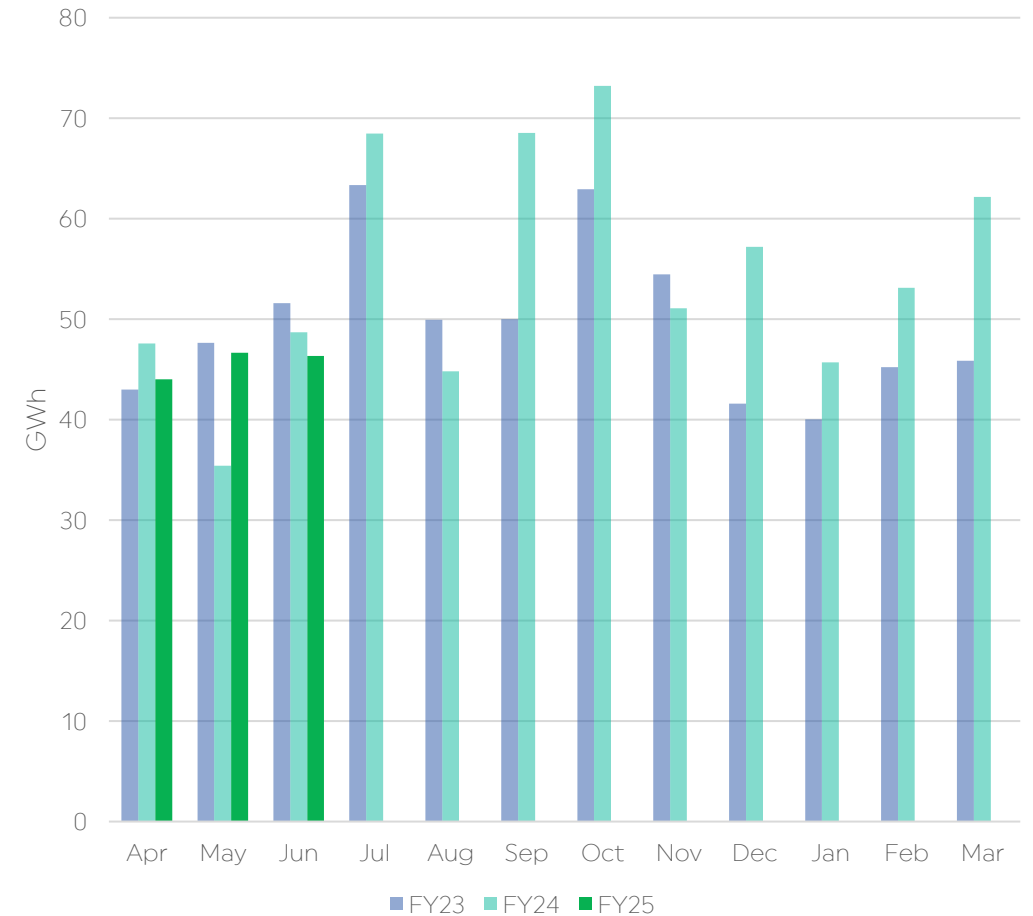
Inflow variance to long-run average (incl spill)



Manawa Lake Levels - % of long-run average

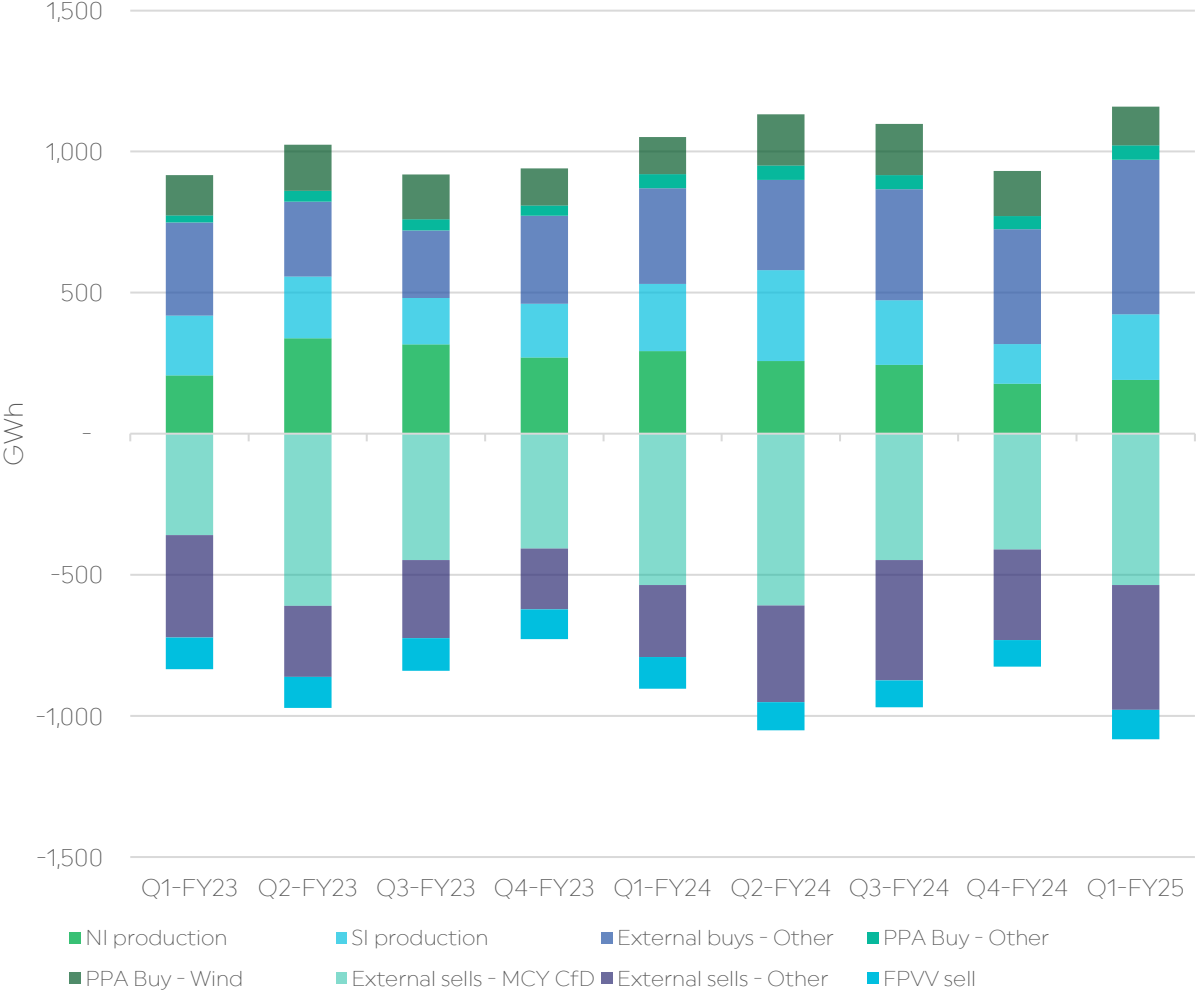


Wind PPA Volumes

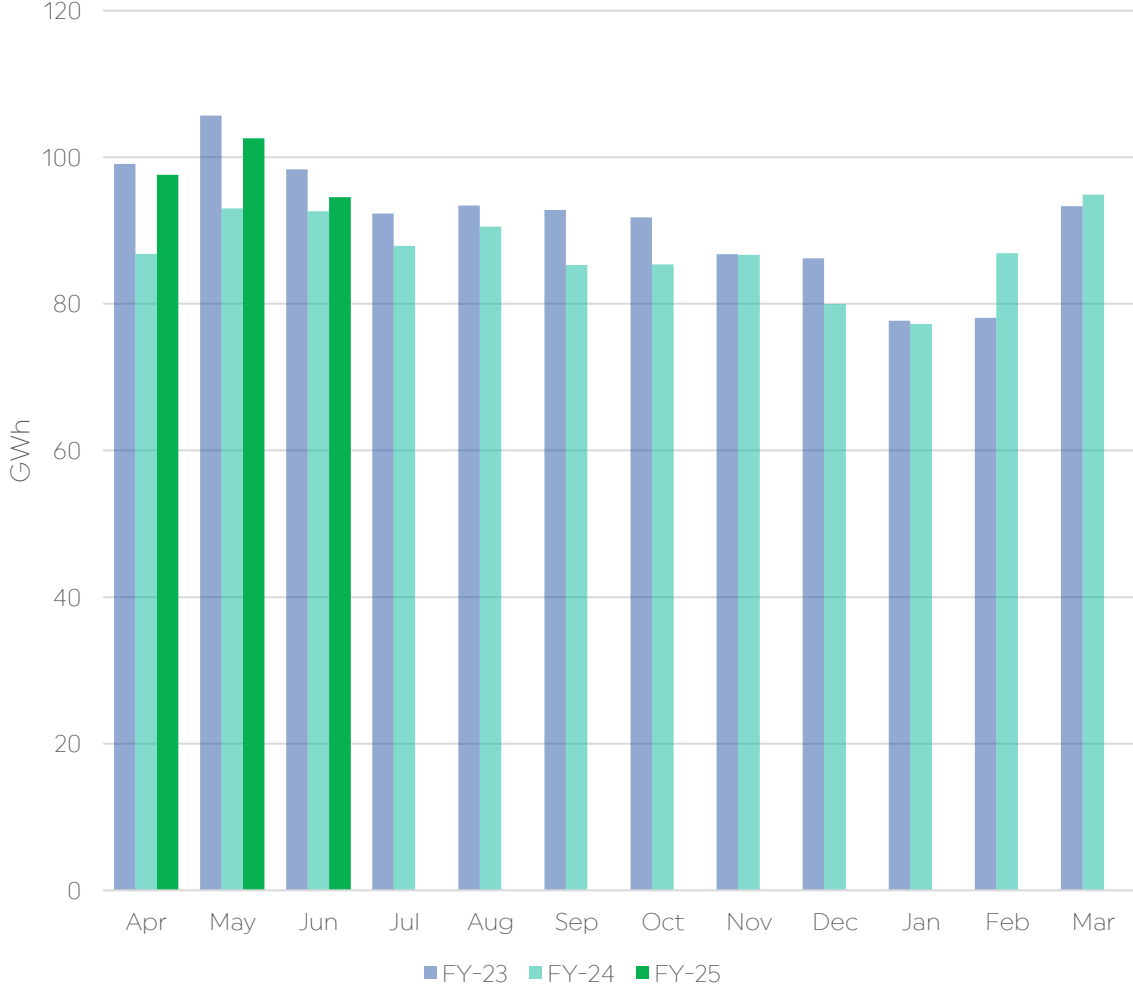


Portfolio

Portfolio balance



C&I Customer Volumes



Operating statistics

Component	FY25						FY24								
	Q1			YTD			Q1			YTD			Full year		
	VOL	GWAP/ Netback	LWAP/ Cost	VOL	GWAP/ Netback	LWAP/ Cost	VOL	GWAP/ Netback	LWAP/ Cost	VOL	GWAP/ Netback	LWAP/ Cost	VOL	GWAP/ Netback	LWAP/ Cost
	<i>GWh</i>	<i>\$/MWh</i>	<i>\$/MWh</i>	<i>GWh</i>	<i>\$/MWh</i>	<i>\$/MWh</i>	<i>GWh</i>	<i>\$/MWh</i>	<i>\$/MWh</i>	<i>GWh</i>	<i>\$/MWh</i>	<i>\$/MWh</i>	<i>GWh</i>	<i>\$/MWh</i>	<i>\$/MWh</i>
North Island production	191	268	-	191	268	-	292	90	-	292	90	-	970	132	-
South Island production	232	278	-	232	278	-	238	86	-	238	86	-	931	131	-
PPA buys	188	233	95	188	233	95	182	63	81	182	63	81	852	118	71
Wind	137			137			132			132			656		
Other	51			51			50			50			196		
Other buys	548	256	167	548	256	167	339	78	145	339	78	145	1,460	137	138
External sells	(979)	129	264	(979)	129	264	(792)	110	82	(792)	110	82	(3,348)	111	135
MCYCFD	(536)			(536)			(536)			(536)			(2,003)		
Other	(443)			(443)			(255)			(255)			(1,346)		
C&I FPV sell	(102)	173	272	(102)	173	272	(106)	159	90	(106)	159	90	(383)	146	138
C&I Spot sell	(192)			(192)			(166)			(166)			(664)		
Other Information															
Resource consent non-compliance events [^]		3			3			4			4			17	
Recordable Injuries*		0			0			2			2			8	
Staff numbers (FTE)		217			217			235			235			224	

[^] Events are recorded only when they have been confirmed as non-compliance events by the relevant regulatory authority. The number of historically reported non-compliance events are subject to change given timings in confirmation of non-compliance.

* Including contractor injuries

Glossary

Term	Definition
ASX	Electricity futures market
BEN	Benmore reference pricing node
C&I	Commercial and Industrial customers
FPVV	Fixed Price Variable Volume
FTE	Full Time Equivalent
FY	Financial Year ending 31 March
GWAP	Generation Weighted Average Price – Average revenue per unit of generation.
GWh	Gigawatt hour(s) – unit of energy
KCE	King Country Energy
LY	Last year
LWAP	Load Weighted Average Price – Average cost of energy per unit
Main lakes/Storage lakes	Waipori, Cobb, and Coleridge schemes.
MWh	Megawatt hour(s) – unit of energy
NI	North Island

Term	Definition
Netback	Customer revenue less all direct costs of sale (excluding energy costs)
NI GWAP/TWAP	Average revenue per unit of North Island generation referenced to Otahuhu
OTA	Otahuhu reference pricing node
pcp	Prior corresponding period
PPA	Power Purchase Agreement – A long-term contract between an electricity generator and an offtake customer
Recordable Injury	Lost Time Injury (LTI) or Medical Treatment Injury (MTI)
RoR	Run-of-River. A scheme classification that denotes no (or very little) ability to store water.
SI	South Island
SI GWAP/TWAP	Average revenue per unit of South Island generation referenced to Benmore
TWAP	Time-Weighted Average Price
Var	Variance
YoY	Year-On-Year
YTD	Year-To-Date