

*Contact*™

## **Monthly Operational Data**

**For the month ended 30 June 2015**

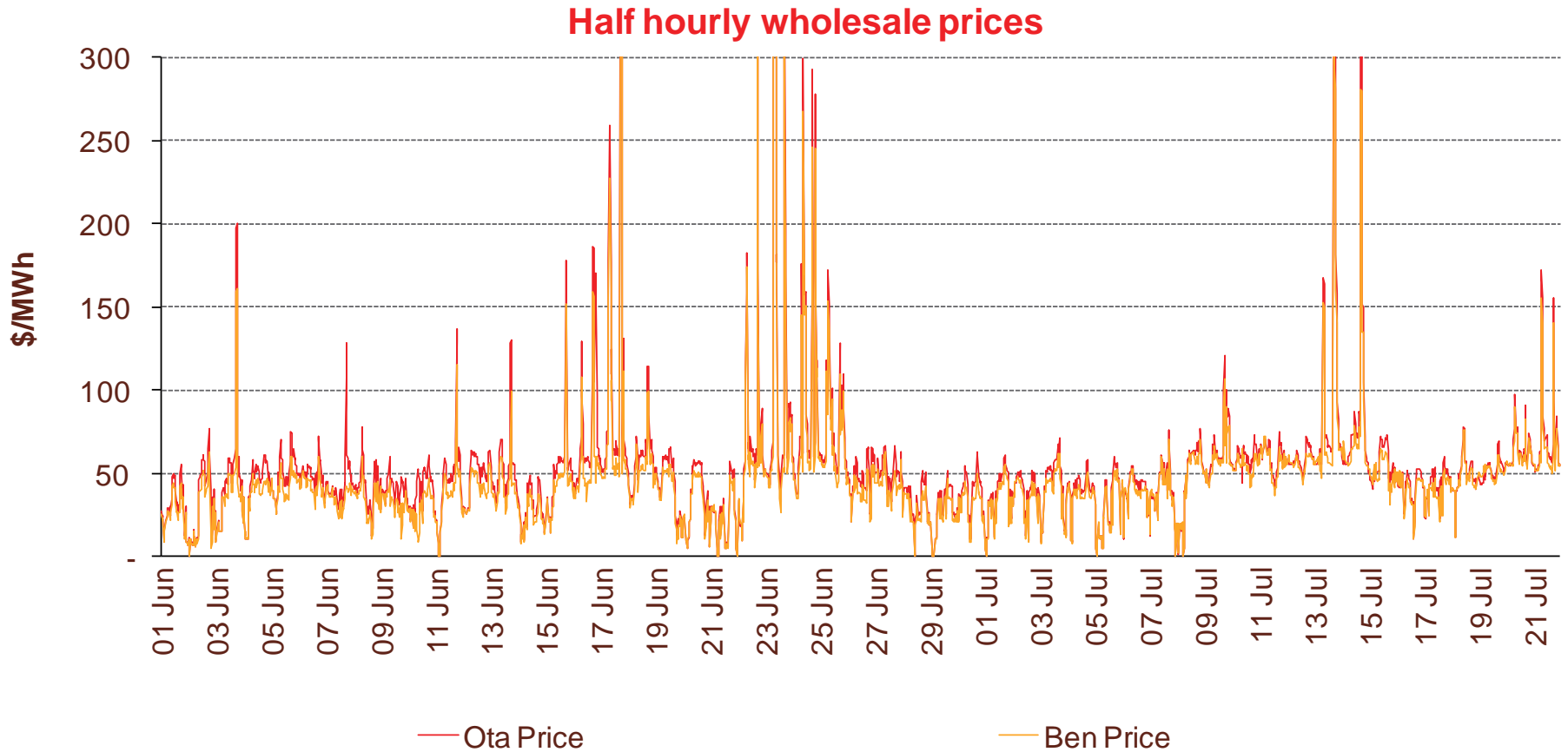


# Highlights for June 2015

- **Hydro storage as at 30 June: South Island 111% of mean, North Island 122% of mean (p4)**
- **Average Otahuhu wholesale price for June 2015: \$52/MWh (p3)**
- **Otahuhu futures settlement wholesale price for 3rd quarter 2015 (ASX) (p4):**
  - As at 22 July: \$52/MWh
  - As at 30 June: \$50/MWh
  - As at 31 May: \$62/MWh

# Wholesale electricity prices

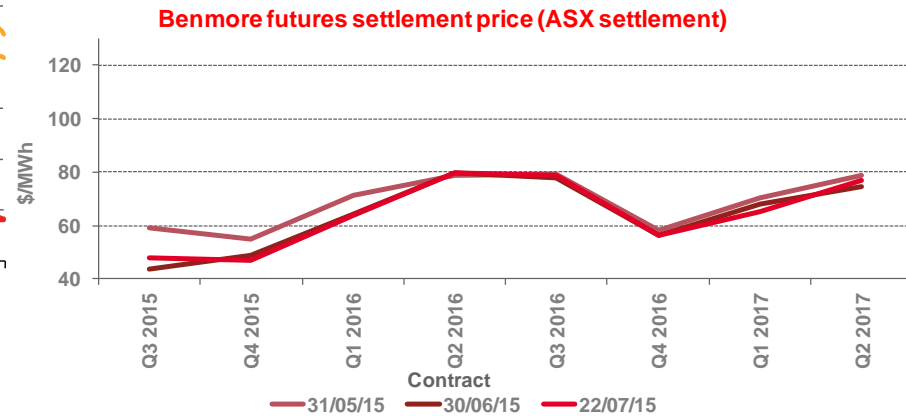
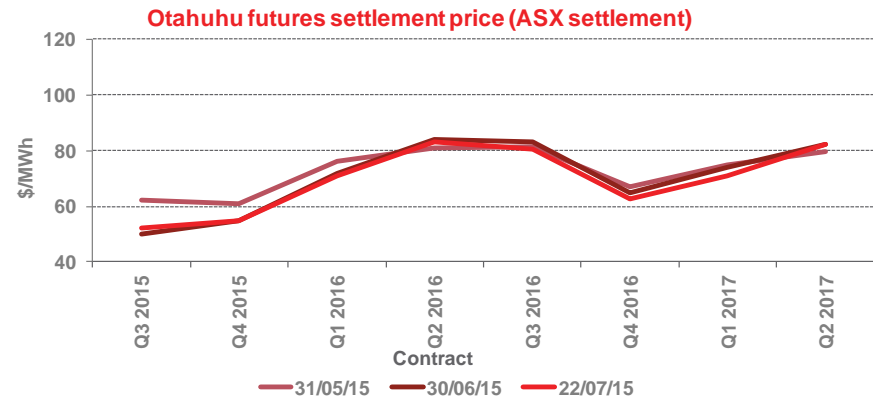
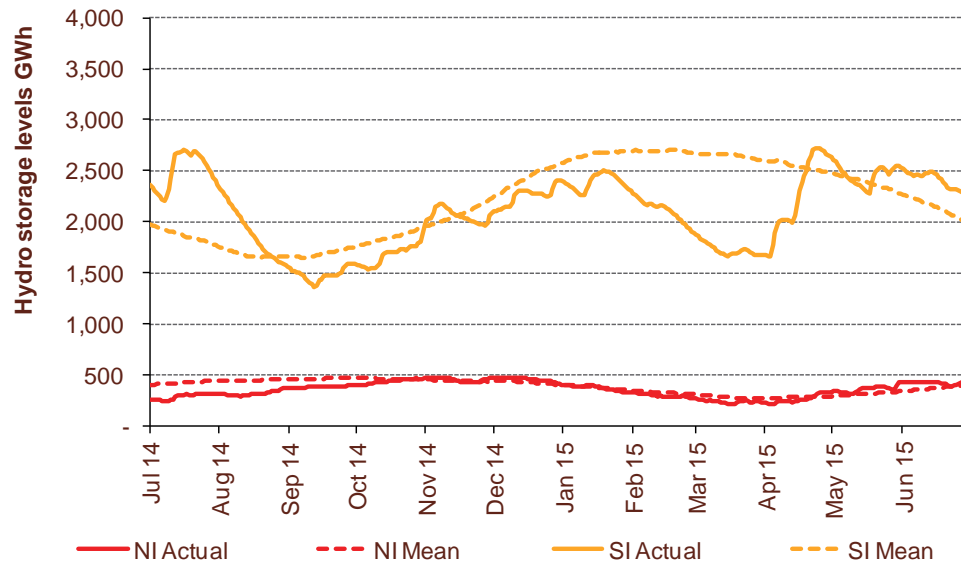
- The average price at Otahuhu (North Island) for June 2015 was \$52/MWh while the average price at Benmore (South Island) was \$44/MWh.



# Storage levels and wholesale electricity prices

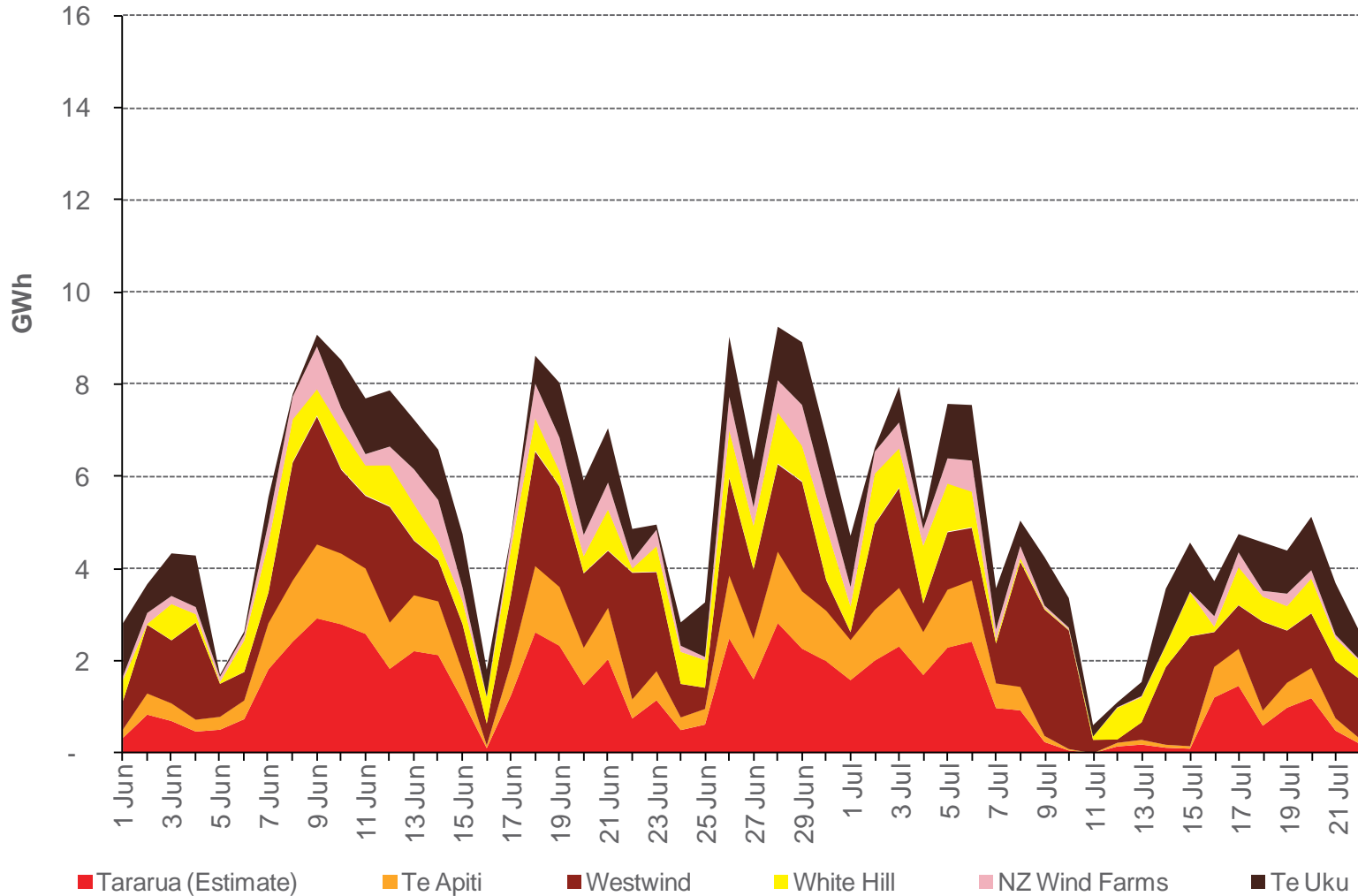
- At 30 June, South Island storage was 111% of mean (31 May: 96%) and North Island storage was 122% of mean (31 May: 111%)
- As at 23 July 2015, storage was:
  - South Island: 112% of mean
  - North Island: 103% of mean

## Hydro storage



# Wind generation

### Daily wind generation (SCADA)



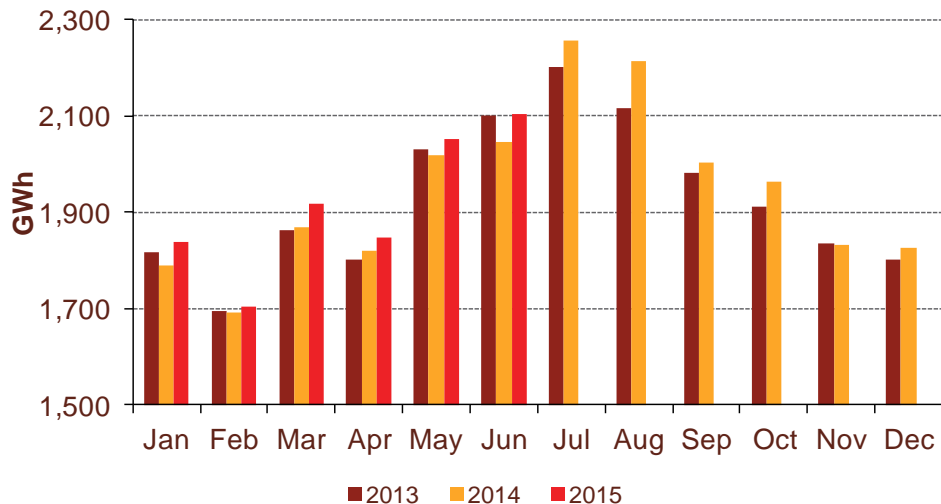
# Monthly demand comparison

• **NIWA's national climate summary for June 2015 reports:**

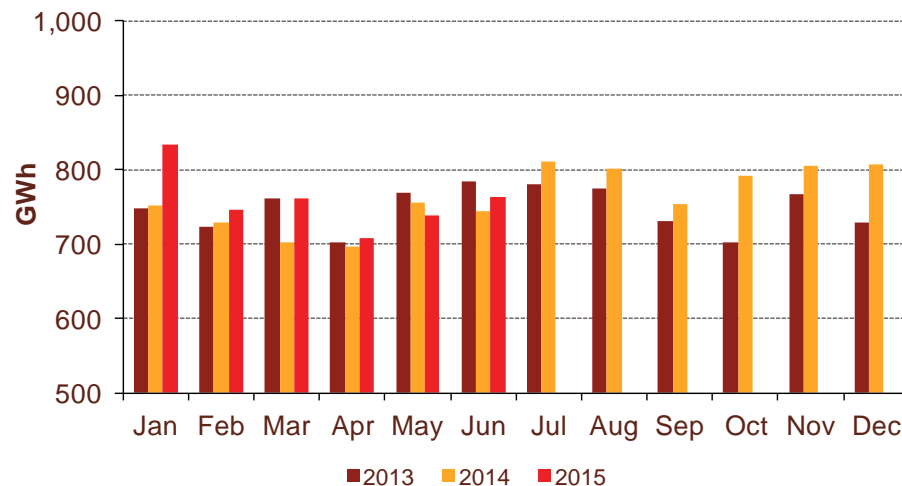
- The New Zealand national average temperature in June was 8.9°C (0.4°C above the 1981-2010 average)

Demand	June demand GWh			Growth rate % p.a.		12 months to date GWh			Growth rate % p.a.	
	2015	2014	2013	1 year	2 year	2015	2014	2013	1 year	2 year
North Island	2,103	2,045	2,100	2.8%	0.1%	23,559	23,084	23,501	2.1%	0.1%
South Island excluding Tiwai	764	743	785	2.8%	(1.3%)	9,325	8,865	9,035	5.2%	1.6%
<b>Total</b>	<b>2,867</b>	<b>2,789</b>	<b>2,885</b>	<b>2.8%</b>	<b>(0.3%)</b>	<b>32,884</b>	<b>31,950</b>	<b>32,537</b>	<b>2.9%</b>	<b>0.5%</b>

North Island



South Island excluding Tiwai



# Contact Netback, Cost of Energy and LPG Data

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June 2015

Data	Measure	The month ended June 2015	The month ended June 2014	The month ended May 2015	Twelve months ended June 2015	Twelve months ended June 2014	
Netback	Mass market electricity sales	GWh	382	369	353	3,896	3,852
	Commercial & industrial electricity sales	GWh	332	345	373	4,496	4,526
	Retail gas sales	GWh	72	67	55	619	611
	Steam sales	GWh	10	27	28	649	628
	Total retail sales	GWh	796	808	808	9,661	9,618
	Average electricity sales price	\$/MWh	202.08	213.59	187.49	180.40	183.10
	Electricity direct pass through costs	\$/MWh	(76.65)	(79.57)	(73.32)	(73.93)	(70.45)
	Electricity and gas cost to serve	\$/MWh	(12.59)	(14.10)	(13.10)	(13.14)	(11.82)
	Netback	\$/MWh	105.25	110.56	94.52	85.49	92.10
	Electricity line losses	%	7%	8%	4%	6%	4%
	Retail gas sales	PJ	0.3	0.2	0.2	2.2	2.2
	Electricity customer numbers <sup>1</sup>	#	430,000	437,500	432,500		
	Gas customer numbers <sup>1</sup>	#	61,500	63,000	61,500		
Cost of energy	Thermal generation	GWh	196	132	129	2,321	2,865
	Geothermal generation	GWh	268	257	278	3,074	2,332
	Hydro generation	GWh	408	419	419	4,118	4,058
	Spot market generation	GWh	871	809	826	9,514	9,255
	Spot electricity purchases	GWh	767	775	753	8,838	8,638
	CfD sales	GWh	12	(10)	2	124	(122)
	GWAP	\$/MWh	48.38	49.65	49.18	69.67	64.87
	LWAP	\$/MWh	(53.63)	(54.44)	(54.83)	(75.56)	(70.57)
	LWAP/GWAP	%	111%	110%	111%	108%	109%
	Gas used in internal generation	PJ	1.5	1.1	1.3	21.5	25.2
	Wholesale gas sales	PJ	0.0	0.0	0.2	2.1	2.2
	Gas storage net movement	PJ	0.2	0.8	0.4	0.0	1.5
	Unit generation cost	\$/MWh	(30.36)	(20.75)	(27.72)	(36.84)	(40.48)
	Cost of energy	\$/MWh	(31.49)	27.79	(26.15)	(35.38)	(34.75)
LPG	LPG sales	tonnes	7,063	5,923	6,143	73,302	68,438
	LPG customer numbers (includes franchises) <sup>1</sup>	#	70,000	67,000	70,000		

<sup>1</sup> Data has been rounded to the nearest 500 and reflects numbers as at month end.