



## Monthly Operational Data

For the month ending 31 July 2010

July 2010

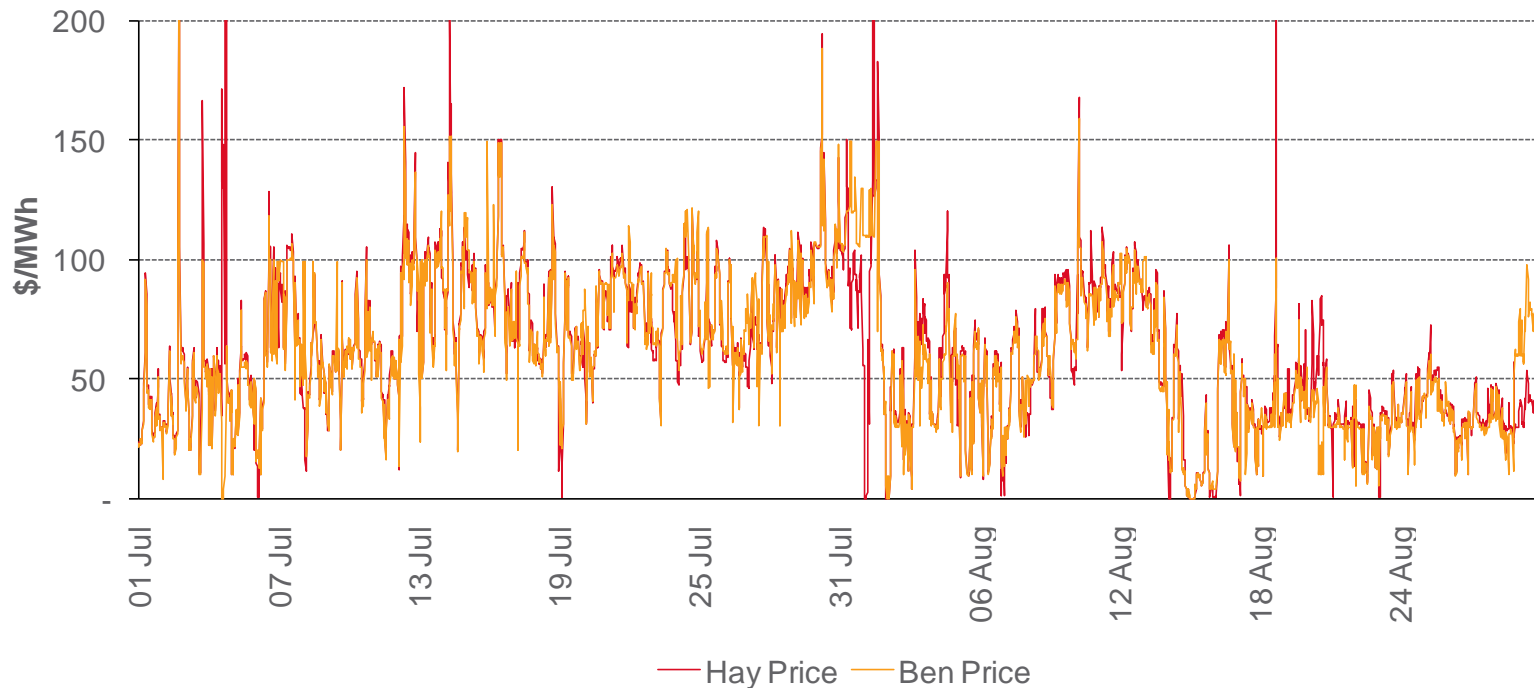
# Highlights for July 2010

- North and South Island storage: now above mean (p4)
- Average July 2010 wholesale price: \$80/MWh (p3)
- Energyhedge forecast wholesale price for August (p4):
  - as at today: \$50/MWh
  - as at 30 July: \$75/MWh
  - as at 30 June: \$64/MWh
  - as at 31 May: \$68/MWh

# Wholesale Electricity Prices – July 2010 and August MTD

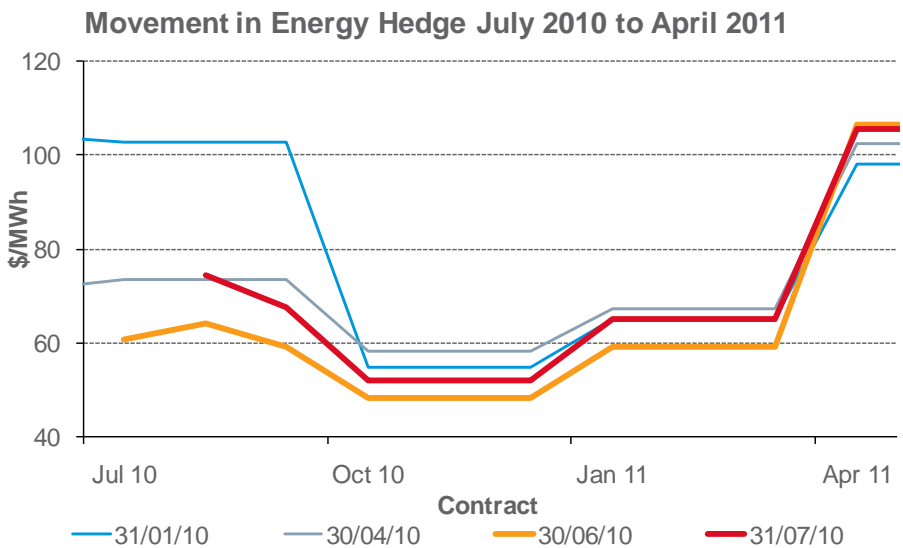
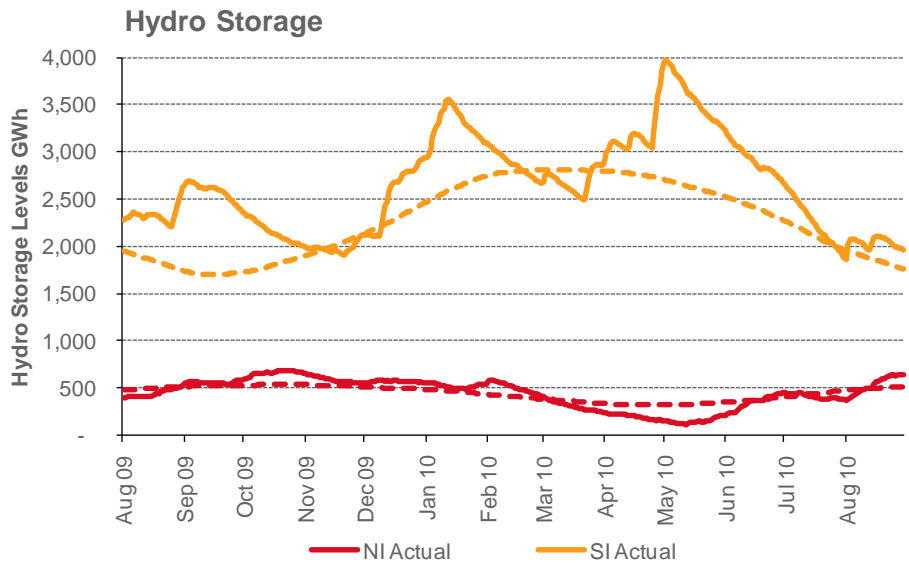
- The average price at Haywards (North Island) for the month of July 2010 was \$80/MWh while the average price at Benmore (South Island) was \$73/MWh
- The average Haywards and Benmore price for the month to 29<sup>th</sup> August was \$48/MWh
- The average Energy Hedge price for the period Sept – Dec 2010 is \$51/MWh.

### Half Hourly Wholesale Price

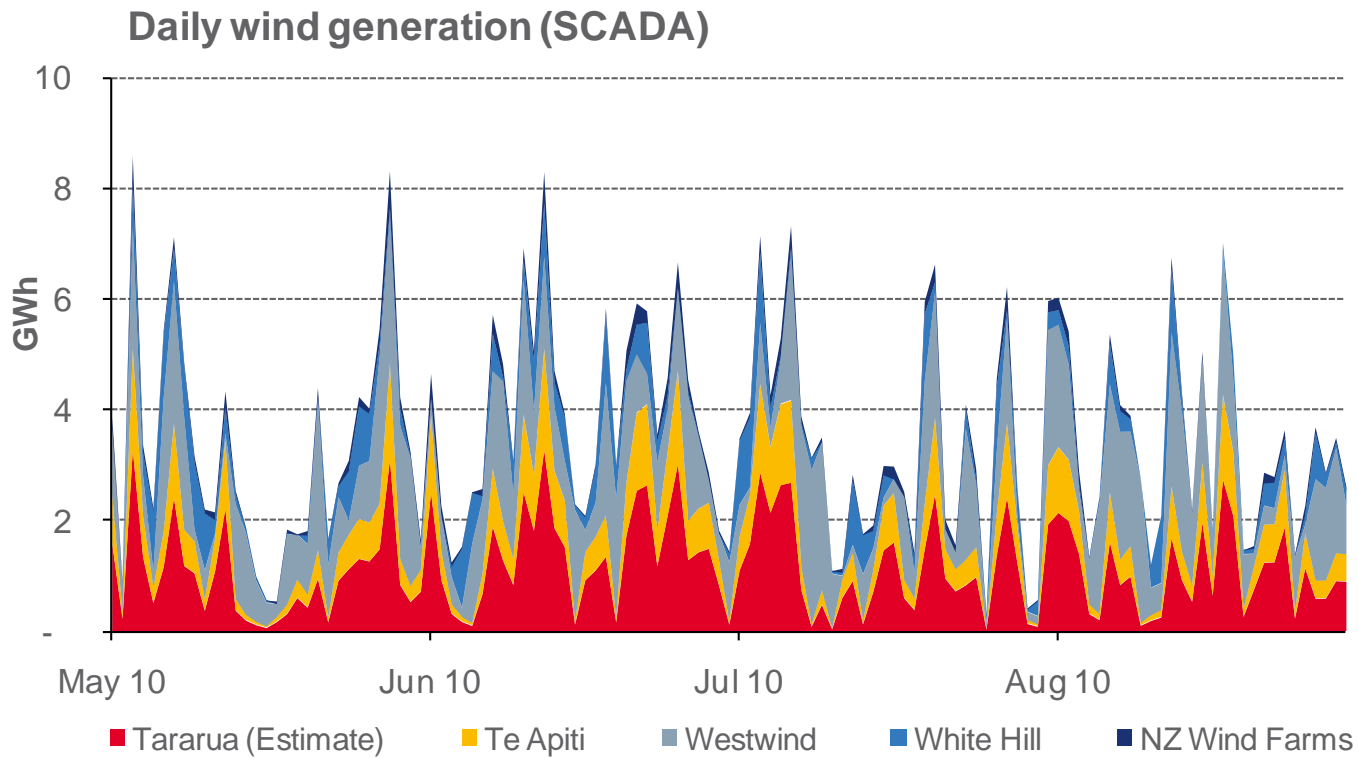


# Storage levels and wholesale electricity prices

- At 31 July 2010, North Island storage was 79% of mean (30 June: 112%) and South Island storage was 96% of mean (31 May: 117%)
- As at the date of this report, storage was:
  - North Island: 126% of mean
  - South Island: 112% of mean



# Wind generation



# Monthly demand comparison: July 2010

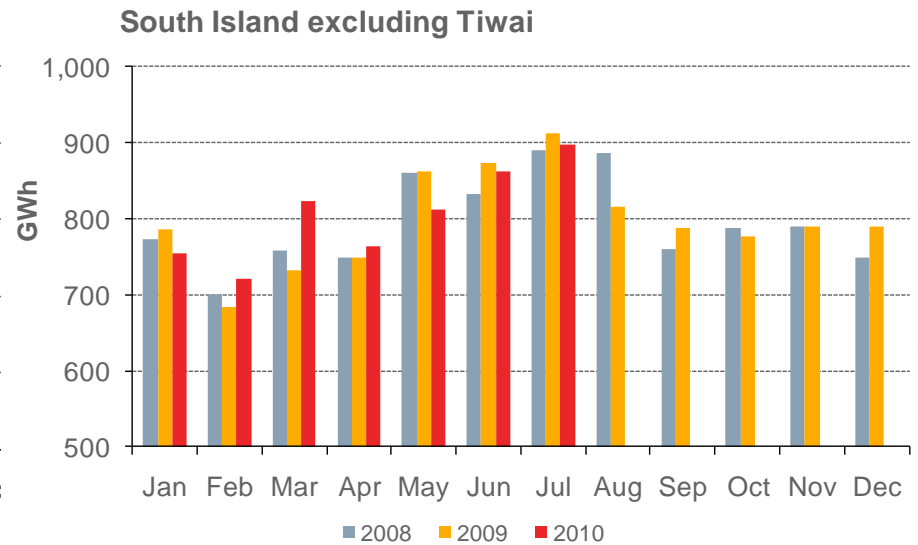
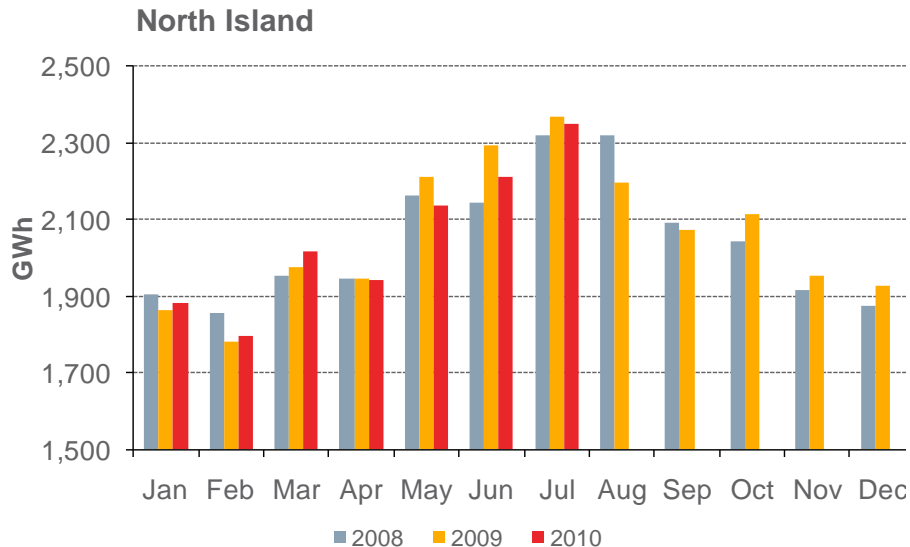


## NIWA's National Climate Summary for July 2010 reports:

- The New Zealand national average temperature was 7.7°C (-0.2°C below the 1971-2000 July average)

	Year to date			Growth rate YTD		July demand			Growth rate July	
	GWh			% p.a.		GWh			% p.a.	
	2010	2009	2008	1 year	2 year	2010	2009	2008	1 year	2 year
North Island	14,334	14,442	14,293	(0.7%)	0.1%	2,352	2,367	2,321	(0.6%)	0.7%
South Island excluding Tiwai	5,636	5,602	5,563	0.6%	0.7%	899	913	890	(1.6%)	0.5%
<b>Total</b>	<b>19,970</b>	<b>20,044</b>	<b>19,856</b>	<b>(0.4%)</b>	<b>0.3%</b>	<b>3,250</b>	<b>3,280</b>	<b>3,211</b>	<b>(0.9%)</b>	<b>0.6%</b>

Source: SCADA data



## Contact Generation and Other Data

Data		Measure	The month ending 31 July 2010	The month ending 30 June 2010	The month ending 31 July 2009
Generation	Thermal generation	GWh	456	414	487
	Geothermal generation	GWh	202	204	213
	Hydro generation	GWh	258	317	246
	Swaption	GWh	78	15	35
	Total generation	GWh	994	951	981
	Gas used in internal generation	PJ	3.5	3.2	3.6
	Gas paid & not taken	PJ	0.5	0.0	-
	GWAP <sup>1</sup>	\$/MWh	74.98	38.62	58.42
	LWAP <sup>2</sup>	\$/MWh	83.09	42.16	64.17
	LWAP/GWAP	%	111%	109%	110%
Other	Retail gas sales	PJ	0.4	0.4	0.4
	Wholesale gas sales	PJ	0.8	0.8	0.7
	LPG sales	tonnes	7,925	7,261	8,589

<sup>1</sup> This is the price received by Contact for its generation. It excludes contracts for differences.

<sup>2</sup> This price excludes contracts for differences.

# Electricity Segment Data

Data		Measure	The month ending 31 July 2010	The month ending 30 June 2010	The month ending 31 July 2009
Exposed Generation	Unhedged generation volume	GWh	130	127	105
	Unit generation operating cost	\$/MWh	39.73	25.13	32.97
	Exposed GWAP <sup>1</sup>	\$/MWh	72.93	41.14	55.88
Hedged Generation	Retail volume	GWh	819	781	752
	CfD sales	GWh	45	43	124
	Unit generation operating cost	\$/MWh	59.63	50.53	46.57
	Energy transfer price	\$/MWh	87.00	80.00	80.00
	Renewable generation	%	53%	63%	52%
	Thermal generation	%	47%	37%	48%
Retail	Retail electricity sales	GWh	757	777	727
	Average Electricity sales price	\$/MWh	183.02	183.24	172.06
	Energy purchase price	\$/MWh	87.00	87.20	80.00
	Network costs	\$/MWh	63.91	67.82	67.19
	Cost to serve	\$/MWh	11.91	14.62	11.17
	Line losses	%	7%	11%	3%
	LWAP/GWAP <sup>2</sup>	%	109%	109%	109%
	Retail margin	%	6%	3%	5%

<sup>1</sup> This is the price received by Contact for its generation. It excludes contracts for differences.

<sup>2</sup> This is the assumed location factor for internal charging from Hedged Generation to Retail

# Customer Numbers



	As at 31 July 2010	As at 30 June 2010	As at 31 July 2009
Electricity customer numbers	476,500	477,000	479,000
Gas customer numbers	63,500	63,500	66,500
LPG customer numbers (includes franchisees)	58,500	58,000	54,000

