

# MSP in the new system

SO Workshop - November 2008

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# Changes to....

- National Winter Group (NWG) initiatives
  - Special Winter Schedule (SWS)
  - Frequency Keeper Selection
  - Variable Reserves (interim solution)
  - Standby Residual Check (SRC)
- Disconnected Nodes

# FK Selection

In the new system:

- Frequency keeper selection will match the pre-June 2008 frequency-keeper selection methodology
- Selection will be based on the cheapest combination of frequency-keeping offer costs that make up the required band
- Constrained on and constrained off costs will **not** be taken into account at selection

# Variable Reserves

In the new system:

- Risk Adjustment Factors (RAFs) will have a value of 0 or 1
- Reserves will not be partially dispatched
- RAFs will continue to be published on COMIT

COMIT Time: 24 Nov 2008 15:41:49 NI ECE Risk Adjustment Factor: Changed for 24/11/2008 11:10

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comit  
0800 4COMIT

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### 5 Minute Prices

The five minute price information contained on this website does not provide final market clearing prices. These prices are for indicative purposes only. Participants must still comply with their bids as per the Electricity Governance Rules.

#### Price Summary For 10:45

Parameter	Value
Ramp Up Cons	0
Ramp Down Cons	0
Branch Cons	0
Branch Group Cons	0
GIP/GXP Group Cons	0
Market Node Group Cons	2
GIP/GXP Deficit	0
GIP/GXP Integrity	1
NI Fast Reserve MW	273.815
NI Fast Reserve Price	\$13.03
NI Sustained Reserve MW	414.414
NI Sustained Reserve Price	\$14.26
SI Fast Reserve MW	63.294
SI Fast Reserve Price	\$0.02
SI Sustained Reserve MW	121.5
SI Sustained Reserve Price	\$0.02
NI Contingent Event Risk Adjustment Factor	1.000
NI Extended Contingent Event Risk Adjustment Factor	1.000
SI Contingent Event Risk Adjustment Factor	1.000
SI Extended Contingent Event Risk Adjustment Factor	1.000

Time	Period	Price	Publish Time	Flag
11:40	24	\$72.23	11:45:02	
11:35	24	\$72.23	11:40:02	
11:30	24	\$72.23	11:35:02	
11:25	23	\$60.25	11:30:02	
11:20	23	\$60.25	11:25:02	
11:15	23	\$60.26	11:20:01	
11:10	23	\$60.26	11:15:02	
11:05	23	\$184.10	11:10:01	
11:00	23	\$180.07	11:05:02	
10:55	22	\$174.20	11:00:02	
10:50	22	\$84.75	10:55:01	
10:45	22	\$60.15	10:50:01	
10:40	22	\$60.15	10:45:01	
10:35	22	\$60.15	10:40:02	
10:30	22	\$60.15	10:35:01	
10:25	21	\$48.74	10:30:01	
10:20	21	\$48.57	10:25:01	
10:15	21	\$47.93	10:20:01	

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# Standby Residual Check (SRC)

In the new system:

- SRC is implemented as part of SPD post-processing
- SRC results will continue to be published to COMIT

COMIT Time: 24 Nov 2008 15:42:26 NI CE Risk Adjustment Factor: Changed for 24/11/2008 11:10

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## Standby Residual Check Charts

**Search Criteria**

**Rolling View**

On  
 Off

Date: 24/11/2008

**Schedule Type**

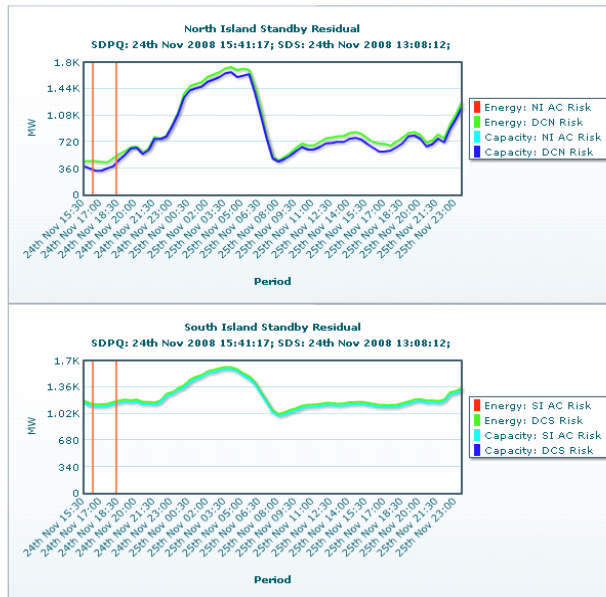
SDS/SDPQ  
 PDS

**Email Notification**

**Email**

Caroline.Jack@Transpower.co.nz

On  Off



- SRC Results
- SRC Calcomponents

Still available

Not available in new system

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# Changes to NWG Initiatives

	Current	MSP
<b>FK Selection</b>	Based on FK offer <b>and</b> constrained on cost	Based on FK offer cost only
<b>RAFs (variable reserves)</b>	RAFs have a value <b>between</b> 0 or 1 (0, 0.2, 0.4, 0.6, 0.8, 1)	RAFs have a value of <b>0 or 1</b>
<b>SWS</b>	SWS is published	No SWS at go-live
<b>SRC</b>	Breakdown of 8 key values published	Only 8 key values published - No manual subcontractor - Single demand multiplier

# Disconnected Nodes

In the current system:

- Disconnected nodes are nodes in the SPD model that are within an electrical island where there is zero cleared generation **and** zero load
- Disconnected nodes are published in the SWS, PDS, SDPQ, RTP and Final Pricing schedules
- Disconnected nodes have a price between +/- \$100,000 and are manually set to \$0 by the Pricing Manager for Final Pricing only

# Disconnected Nodes

In the new system:

- SPD post-processing will assign the price at disconnected nodes
- Disconnected nodes will have a \$0 price in **all** schedules
- Criteria for disconnected nodes has not changed
- No change to the SPD formulation
- EC has published a consultation paper on disconnected nodes – submissions due 15 Dec 08

# Disconnected Nodes

	<b>Current</b>	<b>MSP</b>
<b>Published</b>	SWS, PDS,SDPQ, RTP, Final Pricing (FP)	PDS, SDPQ, RTP, Final Pricing
<b>Price</b>	<ul style="list-style-type: none"><li>• +/- \$100,000 (PDS, SWS, SDPQ, RTP)</li><li>• \$0 (FP only)</li></ul>	\$0 (all schedules)
<b>Processed</b>	Manually by Pricing Manager (FP only)	SPD post- processing

# Questions?

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