

Report on Market Operation Service Providers' Compliance

December 2012

This report includes:

- the publication of the sections of the reports of the Pricing Manager, received in the previous month that relate to breaches of the Electricity Industry Participation Code (Code) by the Pricing Manager, as required by clause 13.214 of the Code;
- the publication of the sections of the reports of the Clearing Manager, received in the previous month that relate to breaches of the Code by the Clearing Manager, as required by clause 14.75 of the Code;
- the republication of the sections of any reports of the Reconciliation Manager, received in the previous month that relate to breaches of the Code by the Reconciliation Manager;¹ and
- any self-reported breaches of the Code by the Market Administrator for the previous calendar month²; and
- the publication of sections of the reports of the System Operator, received in the previous month that relate to breaches of the Code by the System Operator, as required by clause 13.102(2) of the Code, and the System Operator's discretionary action as required by clause 13.102(1)(c).

¹ Under clause 15.33 of the Code, the Authority must publish the sections of the reports that relate to an alleged breach of the Code by the Reconciliation Manager by 0930 hours on the business day following the day on which the Authority receives the report. These reports are available at <http://www.ea.govt.nz/industry/market/statistics-reports/reconciliation-manager-monthly-breach-reports/>

² The Code does not require the Market Administrator to publish any self-reported breaches of the Code by the Market Administrator. However, the Market Administrator has chosen to do so.

Self-reported breaches by the Pricing Manager (under clause 13.213 of the Code)

There were no self-reported breaches by the Pricing Manager.

Self-reported breaches by the Clearing Manager (under clause 14.74 of the Code)

There were no self-reported breaches by the Clearing Manager.

Self-reported breaches by the Reconciliation Manager (under clause 15.30(1) of the Code)

Note that this is a summary of the reconciliation manager monthly breach report which is published separately

There were no self-reported breaches by the Reconciliation Manager.

Self-reported breaches by the Registry Manager (Not required by the Code)

There were no self-reported breaches by the Registry Manager.

Self-reported breaches by the Market Administrator

There were no self-reported breaches by the Market Administrator.

Self-reported breaches by the System Operator (under clause 13.102 (2) of the Code)

| Date of breach | Time of breach | Rule breached | Nature of breach |
|------------------|----------------|--------------------------|--|
| 23 July 2012 | 06:00 | Part 13 - 13.61 | Transpower failed to notify a generator of the implications of a block security constraint that applied within a block dispatch group. Our Ref: EGR 2082 |
| 10 May 2012 | 00:00 | Policy Statement - 32.2 | Transpower failed to use the most recent asset capability information provided by asset owners. Our Ref: EGR 2138 |
| 20 October 2012 | 00:00 | Policy Statement - 30.1B | Transpower failed to correctly apply power system stability limits and market system constraints. Our Ref: EGR 2140 |
| 6 November 2012 | 12:00 | Policy Statement - 32.2 | Transpower failed to use the most recent asset capability information provided by asset owners. Our Ref: EGR 2152 |
| 20 November 2012 | 12:00 | Policy Statement - 32.2 | Transpower failed to use the most recent asset capability information provided by asset owners. Our Ref: EGR 2158 |

Discretionary action by the System Operator (under clause 13.102 (1) of the Code)

01:05 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 446 Start: 01-Dec-2012
 01:05 End: 01-Dec-2012 01:30 Notes: Line 3 off load Last Dispatched Mw: 630
 09:39 DISCRETION Applied to HVDC to start the process of ramping down for 30MW test 1000-1100
 03:23 DISCRETION HLY2201 HLY5 Discretion Clause 13.70, Part 13 EN Max : 190 Start: 02-Dec-2012

03:23 End: 02-Dec-2012 03:30 Notes: Claimed 13.82A due to minimum runnig. Required for voltage support Last Dispatched Mw: 183.48

11:45 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 541 Start: 03-Dec-2012 11:45 End: 03-Dec-2012 12:00 Notes: Potline 1 reduction, 174MW's Last Dispatched Mw: 715

14:21 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 541 Start: 03-Dec-2012 14:21 End: 03-Dec-2012 14:30 Notes: Potline 1 Last Dispatched Mw: 715

10:51 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 538 Start: 04-Dec-2012 10:51 End: 04-Dec-2012 11:00 Notes: Potline 2, 178MW Last Dispatched Mw: 715

11:34 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 530 Start: 04-Dec-2012 11:34 End: 04-Dec-2012 12:00 Notes: Potline 3, 185MW's Last Dispatched Mw: 715

14:08 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 535 Start: 04-Dec-2012 14:08 End: 04-Dec-2012 14:30 Notes: Potline 2 Last Dispatched Mw: 715

14:42 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 605 Start: 04-Dec-2012 14:42 End: 04-Dec-2012 15:00 Notes: L2 reduced Load Last Dispatched Mw: 715

17:36 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 615 Start: 04-Dec-2012 17:36 End: 04-Dec-2012 18:00 Notes: Potline 2, 100MW Last Dispatched Mw: 715

10:31 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 540 Start: 06-Dec-2012 10:31 End: 06-Dec-2012 11:00 Notes: Potline #2 planned offload, 180 MW. Last Dispatched Mw: 720

13:43 DISCRETION ARI1101 ARI0 Discretion Clause 13.70, Part 13 ENR Max : 32 Start: 06-Dec-2012 13:43 End: 06-Dec-2012 14:00 Notes: To close the ARI split due to lightning Last Dispatched Mw: 55

13:43 DISCRETION ARI1102 ARI0 Discretion Clause 13.70, Part 13 ENR Max : 32 Start: 06-Dec-2012 13:43 End: 06-Dec-2012 14:00 Notes: To close the ARI split due to lightning Last Dispatched Mw: 84

13:55 DISCRETION WTO Discretion Clause 13.70, Part 13, Hz keeping MW_Max to 700MW, due to discretion down for ARI. Start 06-Dec-2012 13:55 End 06-Dec-2012 15:00

14:05 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 540 Start: 06-Dec-2012 14:05 End: 06-Dec-2012 14:30 Notes: Last Dispatched Mw: 720

14:07 DISCRETION ARI1101 ARI0 Discretion Clause 13.70, Part 13 ENR Max : 41 Start: 06-Dec-2012 14:07 End: 06-Dec-2012 14:30 Notes: To close the ARI split due to lightning Last Dispatched Mw: 32

14:07 DISCRETION ARI1102 ARI0 Discretion Clause 13.70, Part 13 ENR Max : 41 Start: 06-Dec-2012 14:07 End: 06-Dec-2012 14:30 Notes: To close the ARI split due to lightning Last Dispatched Mw: 32

19:57 DISCRETION MAT1101 MAT0 Discretion Clause 13.70, Part 13 ENR Max : 22 Start: 06-Dec-2012 20:00 End: 06-Dec-2012 20:30 Notes: To maintain security for EKAW_T12 violations, because of delay of outage for KAW T13. Last Dispatched Mw: 22

19:58 DISCRETION MAT1101 ANI0 Discretion Clause 13.70, Part 13 ENR Max : 10 Start: 06-Dec-2012 20:00 End: 06-Dec-2012 20:30 Notes: To maintain security for EKAW_T12 violations, because of delay of outage for KAW T13. Last Dispatched Mw: 10

19:58 DISCRETION KAW1101 KAG0 Discretion Clause 13.70, Part 13 ENR Max : 60 Start: 06-Dec-2012 20:00 End: 06-Dec-2012 20:30 Notes: To maintain security for EKAW_T12 violations, because of delay of outage for KAW T13 Last Dispatched Mw: 60

08:03 DISCRETION WHI2201 WHI0 Discretion Clause 13.70, Part 13 ENR Min : 25 Start: 07-Dec-2012 08:03 End: 07-Dec-2012 08:30 Notes: System Security Last Dispatched Mw: 25.79

10:03 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 505 Start: 07-Dec-2012 10:03 End: 07-Dec-2012 10:30 Notes: Planned TWI potline Last Dispatched Mw: 690

10:38 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 512 Start: 07-Dec-2012 10:38 End: 07-Dec-2012 11:00 Notes: Planned potline at TWI Last Dispatched Mw: 690

14:07 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 508 Start: 07-Dec-2012 14:07 End: 07-Dec-2012 14:30 Notes: Potline 1 182MW Last Dispatched Mw: 690

14:10 DISCRETION TGA0331 KMI0 Discretion Clause 13.70, Part 13 ENR Max : 0 Start: 07-Dec-2012 14:10 End: 07-Dec-2012 14:30 Notes: KMO_TRK_2 circuit tripped Last Dispatched Mw: 25

14:16 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 508 Start: 07-Dec-2012 14:16 End: 07-Dec-2012 14:50 Notes: Potline 1 182 MW Last Dispatched Mw: 690

10:38 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 371 Start: 09-Dec-2012 10:38 End: 09-Dec-2012 11:00 Notes: Planned potline 1 reduction of 179MW. Last

Dispatched Mw: 550

10:51 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 SIR Max : Start: 09-Dec-2012 10:51
End: 09-Dec-2012 11:00 Notes: Last Dispatched Mw: 371

14:11 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 371 Start: 09-Dec-2012
14:11 End: 09-Dec-2012 14:30 Notes: TWI Line 1 offload 179MW Last Dispatched Mw:
550

10:36 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 361 Start: 10-Dec-2012
10:36 End: 10-Dec-2012 11:00 Notes: Planned potline 2 of 182MW. Last Dispatched
Mw: 542.9

14:04 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 408 Start: 10-Dec-2012
14:04 End: 10-Dec-2012 14:30 Notes: Planned TWI reduction line 2, 182MW. Last
Dispatched Mw: 590

14:43 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 405 Start: 10-Dec-2012
14:43 End: 10-Dec-2012 15:00 Notes: Emergency offload TWI potline 2. Last
Dispatched Mw: 587

10:35 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 448 Start: 11-Dec-2012
10:35 End: 11-Dec-2012 11:00 Notes: Line 1 offload, 180MW's Last Dispatched Mw:
628

14:05 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 439 Start: 11-Dec-2012
14:05 End: 11-Dec-2012 14:30 Notes: Potline 1, 180MW's Last Dispatched Mw: 619

23:13 DISCRETION MAT1101 ANI0 Discretion Clause 13.70, Part 13 EN Min : 7 Start: 11-Dec-2012 23:13
End: 11-Dec-2012 23:30 Notes: Claimed The Code: Part 13, Subpart 2, Clause 13.82(a)
due to resource consent. Last Dispatched Mw: 4.58

10:43 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 445 Start: 12-Dec-2012
10:43 End: 12-Dec-2012 11:00 Notes: L2, potline 185MW Last Dispatched Mw: 630

14:14 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 439 Start: 12-Dec-2012
14:14 End: 12-Dec-2012 14:30 Notes: Potline L2 Last Dispatched Mw: 630

08:29 DISCRETION COB0661 COB0 Discretion Clause 13.70, Part 13 EN Min : 4 Start: 13-Dec-2012 08:29
End: 13-Dec-2012 09:00 Notes: For voltage support due to n-1 voltage violations at
UTK. Last Dispatched Mw: 0

10:05 DISCRETION COB0661 COB0 Discretion Clause 13.70, Part 13 EN Min : 4 Start: 13-Dec-2012 10:05
End: 13-Dec-2012 13:30 Notes: Required for voltage support in upper SI. Last
Dispatched Mw: 10.9

15:12 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 494 Start: 13-Dec-2012
15:12 End: 13-Dec-2012 15:30 Notes: Potline Reduction line 2 (186 MW) Last
Dispatched Mw: 680

15:55 DISCRETION COB0661 COB0 Discretion Clause 13.70, Part 13 EN Min : 4 Start: 13-Dec-2012 15:55
End: 13-Dec-2012 16:00 Notes: For voltage support at UTK Last Dispatched Mw: .21

05:05 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 127 Start: 14-Dec-2012
05:05 End: 14-Dec-2012 05:30 Notes: Potline Last Dispatched Mw: 315

06:41 DISCRETION HVDC Pole 2 Max North (BEN_HAYP2_Max), Discretion, Max Value reducing from 405
to 155, ramping Pole 2 off for Pole 2 outage.

07:34 DISCRETION COB0661 COB0 Discretion Clause 13.70, Part 13 EN Min : 4 Start: 14-Dec-2012 07:34
End: 14-Dec-2012 10:30 Notes: Voltage support at UTK Last Dispatched Mw: 0

10:52 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 340 Start: 14-Dec-2012
10:52 End: 14-Dec-2012 11:30 Notes: Potline 2, 185MW. Last Dispatched Mw: 525

07:16 DISCRETION MAT1102 MAT0 Discretion Clause 13.70, Part 13 ENR Max : 0 Start: 18-Dec-2012
07:16 End: 18-Dec-2012 07:47 Notes: MAT 1102 off to close disconnecter 57 for KAW -
MAT 1 outage Last Dispatched Mw: 22

09:50 DISCRETION TUI1101 PRI0 Discretion Clause 13.70, Part 13 ENR Max : 0 Start: 18-Dec-2012 09:50
End: 18-Dec-2012 13:00 Notes: RDF T4 tripping Last Dispatched Mw: 7.6

09:50 DISCRETION TUI1101 TUI0 Discretion Clause 13.70, Part 13 ENR Max : 0 Start: 18-Dec-2012 09:50
End: 18-Dec-2012 13:00 Notes: RDF T4 Tripping Last Dispatched Mw: 10.6

09:50 DISCRETION TUI1101 KTW0 Discretion Clause 13.70, Part 13 ENR Max : 0 Start: 18-Dec-2012 09:50
End: 18-Dec-2012 13:00 Notes: RDF T4 Tripping Last Dispatched Mw: 1.8

14:03 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 580 Start: 18-Dec-2012
14:03 End: 18-Dec-2012 14:30 Notes: Line 1 offload Last Dispatched Mw: 760

15:03 DISCRETION MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 650 Start: 18-Dec-2012
15:03 End: 18-Dec-2012 15:30 Notes: Line 2 offload Last Dispatched Mw: 760

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| 18:38 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 15 Start: 18-Dec-2012 18:38 End: 18-Dec-2012 19:00 Notes: Temp rating of RDF T3 & T4 Last Dispatched Mw: 7 |
| 20:32 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 11 Start: 18-Dec-2012 20:32 End: 18-Dec-2012 21:00 Notes: Due to RDF T3 & T4 rerating Last Dispatched Mw: 7 |
| 20:56 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 13 Start: 18-Dec-2012 20:56 End: 18-Dec-2012 21:30 Notes: Due to RDF T3 & T4 rerating Last Dispatched Mw: 11 |
| 07:27 | DISCRETION | TUI1101 PRI0 Discretion Clause 13.70, Part 13 EN Min : 8 Start: 19-Dec-2012 07:27 End: 19-Dec-2012 08:30 Notes: To Manage RDF T3 and T4 contingency Last Dispatched Mw: 5 |
| 07:28 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 8 Start: 19-Dec-2012 07:28 End: 19-Dec-2012 08:30 Notes: To manage RDF T3 and T4 Contingency Last Dispatched Mw: 7 |
| 07:40 | DISCRETION | TUI1101 KTW0 Discretion Clause 13.70, Part 13 EN Min : 7.8 Start: 19-Dec-2012 07:40 End: 19-Dec-2012 08:30 Notes: To manage RDF T3 and T4 contingency Last Dispatched Mw: 0 |
| 07:41 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 9.2 Start: 19-Dec-2012 07:41 End: 19-Dec-2012 08:30 Notes: To manage RDF T3 and T4 Contingency Last Dispatched Mw: 8 |
| 07:54 | DISCRETION | TUI1101 PRI0 Discretion Clause 13.70, Part 13 EN Min : 8.6 Start: 19-Dec-2012 07:54 End: 19-Dec-2012 09:30 Notes: To Manage RDF T3 and T4 contingency Last Dispatched Mw: 8 |
| 07:54 | DISCRETION | TUI1101 TUI0 Discretion Clause 13.70, Part 13 EN Min : 11.6 Start: 19-Dec-2012 07:54 End: 19-Dec-2012 09:30 Notes: To manage RDF T3 and T4 Contingency Last Dispatched Mw: 9.2 |
| 05:01 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 490 Start: 21-Dec-2012 05:01 End: 21-Dec-2012 05:30 Notes: Line 2 reduction. Last Dispatched Mw: 610 |
| 17:33 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 610 Start: 23-Dec-2012 17:33 End: 23-Dec-2012 18:00 Notes: Potline 1, 182MW. Last Dispatched Mw: 790 |
| 09:07 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 525 Start: 25-Dec-2012 09:07 End: 25-Dec-2012 09:30 Notes: Potline 2 Last Dispatched Mw: 710 |
| 11:36 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 620 Start: 27-Dec-2012 11:36 End: 27-Dec-2012 13:00 Notes: Planned line 1 potline reduction. Last Dispatched Mw: 730 |
| 15:06 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 548 Start: 27-Dec-2012 15:06 End: 27-Dec-2012 15:30 Notes: TWI Line 1 offload - 182MW Last Dispatched Mw: 730 |
| 21:07 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 415 Start: 30-Dec-2012 21:07 End: 30-Dec-2012 21:30 Notes: Planned TWI reduction of line 1 Last Dispatched Mw: 515 |
| 00:40 | DISCRETION | MAN2201 MAN0 Discretion Clause 13.70, Part 13 EN Max : 415 Start: 31-Dec-2012 00:40 End: 31-Dec-2012 01:30 Notes: Line 2 emergency reduction Last Dispatched Mw: 515 |

This report was published by the Market Administrator on 18 January 2013. For further inquiries please contact the Market Administrator at the Electricity Authority or send an email to marketoperations@ea.govt.nz.