

## Minutes of Meeting

Date held: June 30, 2011	Time held: 9:00 am - 12:00 pm	Location: Webcast
Invited/Attended	Company Name	Attendance Status (A)tended; T(Telephone); (R)egrets; (S)ubstitute
Cook, Michael	Emera Energy (GEC)	T
Spitters, Richard	GTAA – Wattsworth	T
Lin, Jane	GTAA	T
Pat Doran	IESO	T
Abid, Tibby	IESO	T
Berry, Scott	IESO	T
Lodyga, Martin	IESO	T
Veldhuizen, Jon	Northland Power	T
Krishnaraj, Morgini	Brookfield	T
Broadrick, Brent	Shell	T
Heather Sears	Portlands Energy Centre	T
Maddix, Melanie	Goreway Station Partnership	T
Harwood, Shane	Goreway Station Partnership	T
Coyle, Emma	TransCanada Energy	T
Walker, Phil	OPG	T

All meeting material will be posted on the IESO web site at:

[http://ieso.ca/imoweb/consult/consult\\_se73-pag.asp](http://ieso.ca/imoweb/consult/consult_se73-pag.asp)

## Settlements Market Trials Webcast/Conference Call

### Introduction and Testing Review

The goal of the meeting was to reach consensus among members with regards to the approach for Settlements Market Trials.

No changes to the proposed agenda. The agenda was approved.

Pat Doran provided an update of Operations Market Trials. There is one week of Operations testing remaining beginning July 4<sup>th</sup>. There was an IT release on the sandbox on June 29 containing repairs to the calculation engine that affected testing last week. The repairs were successfully tested on the QA environment before releasing the software on the sandbox. The

IESO will monitor the calculation engine's performance in the Sandbox environment over the weekend with the intention of reinitiating testing on Monday July 4<sup>th</sup>.

### **Item 1 - Settlements Testing Approach**

Prior to the Webcast the IESO distributed a paper describing the approach proposed for Settlements Market Trials. The paper can be found at the following link:

[https://portal.ieso.ca/portal/server.pt/gateway/PTARGS\\_0\\_0\\_208\\_222\\_3333\\_43/do/document/overview?projID=1602](https://portal.ieso.ca/portal/server.pt/gateway/PTARGS_0_0_208_222_3333_43/do/document/overview?projID=1602) .

Martin Lodyga walked the group through the paper describing the approach. Initially the IESO proposed testing settlements with uncoupled Day Ahead and Real Time systems. Upon further review it was felt that this approach would require much coordination and time and might not provide the level of assurance to participants that a coupled approach would provide. With the coupled approach, i.e., fully integrated system on IESO Sandbox environment, there are some manual modifications that are required in order for the systems to respond as required in real time. All systems required for Settlements testing will reside in the IESO sandbox environment. However corresponding telemetry for real time dispatch or valid injection points will not be available. We will need to deceive the system for dispatch in real time and for settlements. The IESO proposes to feed the real time engine with a flat file simulating the injection of all resources with a minimal amount (1MW) and therefore making all dispatchable resources to be seen as connected to the IESO Controlled Grid (ICG). Furthermore, the IESO will modify all resources' registered ramp up/down rates with values of 999MW/min. The low MLP setting on all resources in the IESO registration solution will avoid any discrepancies in the shut down and start up sequences and will allow resources to stay connected to ICG.

A MTWG member asked if the testing will allow for the testing of various ramp rates. The IESO responded that the proposed setup will allow for testing various ramp rates as long as the participant enter a low ramp rate up to MLP and a higher ramp above MLP.

A MTWG member asked if the 1MW MLP registered amount would have an effect determining the resource status, i.e., initial hours of operations (IHO). The IESO responded that the IHO is calculated considering two elements, the pre-dispatch resource schedule and the DA commitments from the previous DACP run and therefore the proposed approach will not impact the calculation of IHO.

In order to have the systems operate appropriately for settlements testing the IESO will need to modify Sandbox standing offers (ramping profiles) in order to be dispatched to their

economic point. For each resource we will modify injection amounts with the constrained schedule so the resource appears compliant to its schedule.

Settlements testing will allow MPs to modify offers to generate the charge types they are looking to test. The fully integrated system approach will allow the IESO and participants to better demonstrate end to end operation of tools and processes.

A MTWG member asked if the limited number of resources available in Sandbox would hinder the ability of the tool to fill the supply stack. The IESO responded that by revising the standing offers for all resources the supply stack should be adequately filled for testing. Participants will then test using the nominated resources they have identified prior to the beginning of testing. Upon the close of Market Trials the IESO will restore the standing offer data to the initial data.

Several MTWG members expressed concern over the time allocated to Settlements trials, e.g., the aggressive schedule may not allow for testing of combined cycle resources as pseudo-units and as physical units. The IESO responded that they will review the schedule to determine how to provide the requested coverage for combine cycle resources. Another meeting next Thursday July the 7<sup>th</sup> was suggested to discuss any additional scenarios and revisions to schedule.

**ACTION ITEM 7:** The IESO to review the market trials schedule to determine if more time can be allocated to settlements market trials to accommodate testing of combined cycle resources as pseudo-units and as physical units.

**ACTION ITEM 8:** MTWG members to review and comment on the test scenarios distributed for this meeting.

A MTWG member asked what would be the success criteria to exit the Settlements trials. The IESO responded that because of the unscripted nature of the Settlements trials there would be no pass/fail criteria for the test scenarios. Participants should plan triggering the desired charge types and then test the retrieval of the corresponding settlement statements and data files. Participants were also asked to identify any defects during the running of the scenarios and report them back to the EDAC test team. The IESO will respond to Participant's questions regarding results generated during trials.

### **Item 3 Scope**

The scope of the Settlements market trials was reviewed as per the overview presented for the webcast.

A MTWG member asked when the results of the independent external review for the implementation of the settlements system would be made available to the participants. The IESO responded that the results of the review would be available in early August 2011.

#### **Item 4 Timeline & Key Events**

The Timeline and Key Events table was reviewed. A redline version of the Market Trials Test Plan will be made available Thursday July the 7<sup>th</sup> and versioned to v1.1. The guidelines for the settlements test scenarios presented at this meeting will be included in the Test Plan.

#### **Item 5 Preparation and Communication**

Settlements Market Trials testing will be conducted in the IESO Sandbox environment. Access to the MPI and Report site Sandbox will be the same as for Operations Trials. New requests for access for testing should be made to the EDAC e-mail box at [edac@ieso.ca](mailto:edac@ieso.ca).

The IESO proposes to scale back the number of conference calls during testing to twice per week. Ad-hoc calls may be scheduled when necessary. There were no objections to this approach.

#### **Item 6 Responsibilities**

Both Participant and IESO responsibilities during testing were reviewed.

**ACTION ITEM 9:** The IESO to make available a list of settlements open defects to MTWG members prior to the start of Settlements Market Trials.

#### **Item 7 Scenarios**

A separate paper was issued to MTWG members prior to the webcast describing the scenarios to be executed during testing. The scenarios were derived based on the settlements charge types to be generated and tested during trials. The scenarios describe actions to be taken by Market Participants and the IESO. Settlement Statements and Data Files will be available on

the Sandbox Private Reports site once the Commercial Reconciliation System (CRS) has been integrated into the Sandbox environment.

There are currently 11 Scenarios under consideration for testing. Under the proposed testing conditions there are some charge types that may not be easy to generate, e.g., IOG component 3. In order to better track testing and assist participants the IESO is requesting that participants identify which resources will be used for testing and which scenarios will be applied.

**ACTION ITEM 10:** MTWG members to provide to the IESO a list of resources for testing. The list should be provided prior to the start of settlements trials testing.

### **Item 8 Defect Management**

The Operations trials defect management process will also be used for the Settlements trials.

The market trials exit criteria has been revised to capture the specifics of the Settlements market trials approach. A number of MTWG members requested the IESO to revise the wording of the exit criteria to ensure clarity.

**ACTION ITEM 11:** The IESO to revise the wording of the market trials exit criteria to reflect the specifics of settlements trials.

### **Item 9 Next Steps**

The revised Market Trials Test Plan will be made available at the MTWG meeting scheduled for July 7, 2011. MTWG members are asked to provide further feedback on the approach and the testing scenarios before next week's meeting.

## Action Item Summary

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#	Date	Action	Status	Comments
1	May 02, 2011	The MTWG is asked to review both the Stakeholder Engagement Plan and the Terms of Reference and provide commentary by May 10 <sup>th</sup> .	Closed	Comments were received from several MTWG members. As of May 12 the SE Plan and the ToR have been posted on SE 73 website with comments.
2	May 19, 2011	The EDAC Team will provide MPs with a list of known defects before going into Ability Testing. To be placed on the EDAC Portal before Ability Testing begins.	Closed	
3	May 19, 2011	The IESO will review how EELR submissions will be treated in the case of longer necessary DAOS run times	Open	
4	May 19, 2011	The IESO has requested that MPs review all operations test cases and indicate which test cases they are interesting in performing during Market Trials. They are asked to provide the EDAC team, via the EDAC e-mail box, a list of pertinent test cases by the end of May 2011.	Closed	
5	May 19, 2011	The IESO is to provide a listing of new/retired/replaced reports to MTWG members	Closed	

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<b>#</b>	<b>Date</b>	<b>Action</b>	<b>Status</b>	<b>Comments</b>
6	May 19, 2011	The IESO will post report descriptions on report site for each of the new DA reports	Closed	
7	June 30, 2011	The IESO to review the market trials schedule to determine if more time can be allocated to settlements market trials to accommodate testing of combined cycle resources as pseudo-units and as physical units.	Open	
8	June 30, 2011	MTWG members to review and comment on the test scenarios distributed for this meeting.	Open	
9	June 30, 2011	The IESO to make available a list of settlements open defects to MTWG members prior to the start of Settlements Market Trials.	Open	
10	June 30, 2011	MTWG members to provide to the IESO a list of resources for testing. The list should be provided prior to the start of settlements trials testing.	Open	
11	June 30, 2011	The IESO to revise the wording of the market trials exit criteria to reflect the specifics of settlements trials.	Open	