

Minutes of Meeting

| Date held: May 19, 2011 | Time held: 9:30 pm | Location: Clarkson Room 216 |
|-------------------------|------------------------------------|--|
| Invited/Attended | Company Name | Attendance Status (A)ttended; T(Telephone); (R)egrets; (S)ubstitute |
| Cook, Michael | Emera Energy | T |
| Windsor, John | Emera Energy | T |
| Somerville, Stephen | Competitive Power Ventures Inc | R |
| Lin, Jane | Greater Toronto Airports Authority | A |
| Stojanovic, Zoran | GTAA – Utilismart/Wattsworth | R |
| Spitters, Richard | GTAA – Wattsworth | T |
| Plante, Matthieu | Hydro Quebec | A |
| Brissette, Benoit | Hydro Quebec | T |
| Abid, Tibby | IESO | A |
| Wright-Hilbig, Rhonda | IESO | A |
| Berry, Scott | IESO | A |
| Singh, Navneet | IESO | A |
| Lodyga, Martin | IESO | A |
| Doran, Pat | IESO | A |
| Jovic, Rado | IESO | A |
| Veldhuizen, Jon | Northland Power | A |
| Romanish, Orest | Northland Power | A |
| Martin, Michael | Open Access Technology Int. | T |
| Qureshy, Sherry | Ontario Power Generation | A |
| Lai, Lenny | Ontario Power Generation | A |
| Walker, Phil | Ontario Power Generation | A |
| Franchuck, Danny | Ontario Power Generation | A |
| Chang, Monica | Ontario Power Generation | A |
| Karabela, Henry | Ontario Power Generation | A |
| Jayapalan, Jennifer | Portlands Energy Centre | A |
| Sears, Heather | Portlands Energy Centre | R |
| Kerr, Paul | Shell Energy | T |
| Broadrick, Brent | Shell Energy | R |
| Kolkmann, Ryan | Shell Energy | R |
| Harwood, Shane | Goreway Station Partnership | R |
| Maddix, Melanie | Goreway Station Partnership | A |
| Paul, Rob | Goreway Station Partnership | A |
| Kuntz, Margaret | TransCanada Energy | T |

| | | |
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| Vasquez, Noralyn | TransCanada Energy | T |
| Coyle, Emma | TransCanada Energy | T |
| Rezavand, Farzad | TransCanada Energy | T |
| Ford, Nathan | TransCanada Energy | T |
| David Besselievre | Open Access Technology Int. | T |

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

http://ieso.ca/imoweb/consult/consult_se73-pag.asp

Agenda Item 1 - Introduction and Review of Agenda

Tibby Abid introduced himself as Chairman of the meeting and welcomed the Market Trials Working Group (MTWG) members and invited them to introduce themselves.

Agenda: No changes

Item 2 Review Minutes of Meeting from May 02, 2011 Meeting

The Chair reviewed the open Action Items appended to the May 02, 2011 minutes. As a result of this review, the status of the action item was updated as per the table below.

| ACTION ITEM | STATUS |
|--------------------|---------------|
| 1 | Closed |

No comments were received from MTWG members since posting the minutes and no additional changes were suggested to the latest posted version of the minutes. The MTWG members approved the draft minutes of the May 02, 2011.

Item 3 Project Status Update

The EDAC project continues to be on schedule.

User Acceptance Testing (UAT) for Operations will be completed by end of May 2011; all test cases have been executed and currently the IESO is retesting the test cases that received a conditional pass status before.

All IESO internal technical test cases for the Settlements systems were shared with the PAG members on May 2. The IESO will complete the execution of all Settlements internal testing by mid June 2011.

The UAT for Settlements is scheduled to start immediately following the completion of Settlements internal testing. It will take approximately two weeks to complete the Settlements UAT (it is anticipated about 10 test cases to test the settlements business processes).

The external review of the implementation of the Day-Ahead Calculation Engine (aka market clearance software) and Settlements systems is well underway. The market clearance software report is expected to be finalized by mid June 2011 and the Settlements review is scheduled to be completed by the end of July 2011 with report completion by mid Aug 2011.

At the last PAG meeting the IESO committed to provide a list of known defects impacting the execution of the Market Trials prior to the start of Market Trials - Operations [**Action Item 2**].

Item 4 EDAC Market Trials Readiness

The Chair introduced the EDAC Market Trials Testing Team:

- Pat Doran - Testing Team Lead
- Martin Lodyga, Scott Berry and Frank Peng – Testers

The Market Trials communication protocols were reviewed with the MTWG members. The IESO introduced a new document, i.e., “EDAC Market Trials Communication Details”, to be used by MTWG members as a reference throughout the Market Trials. The IESO pointed that the Market Trials telephone numbers are role based (i.e., Market Entry, DACP Operator, Control Room) and will be effective as of May 30, 2011. Also, the IESO pointed out that the daily meetings throughout the execution of the Market Trials will be held via teleconference/webcast on scheduled Market Trials test days only.

MTWG members were asked to communicate any questions and issues regarding the planning and execution of the Market Trials via email to edac@ieso.ca mailbox and they should always tag the email subject line with: "EDAC Market Trials -".

The structure of the EDAC Collaboration Portal – Market Trials Community was presented to the MTWG members.

A sample of a Market Trials test sheet and execution form was reviewed to familiarize the MTWG members with the structure and content of these documents. The shaded areas on the test case sheets indicate steps that are not to be executed by the market participants. The IESO informed the MTWG members that all the MT test sheets and execution forms are posted on the EDAC Collaboration portal. The IESO pointed out that the MT schedule also contains a worksheet that maps all the test cases to a resource type. The MTWG members were asked to review all the operations test cases in order to determine which test cases they are interested in performing during Market Trials and communicate this information to the EDAC team [**Action Item 3**].

A MTWG member asked if the software versioning will be included as reference for each test case. The IESO responded that the software versioning will not be referenced on the test case sheets however the IESO Sandbox software releases will be identified as per the normal IESO - IT protocols.

The IESO informed the MTWG members that the final DACP schedule (i.e., first run, open EELR window, second run) will be confirmed following the completion of the Market Trials. To date, the calculation engine run time is a function of the size of the problem to be solved (e.g., demand, resource availability, etc). Based on the information to date, it takes between 30 minutes and 70 minutes to complete one run, including validation tasks performed by the DA operator. If the DACP run time is greater than 60 minutes than the DACP schedule has to be revised to account for a longer run times, i.e., timing around the EELR re-submission window - start time and/or duration. Following completion of Market Trials the IESO will review the DACP run times and will propose alternate solutions to mitigate the DACP run schedules [**Action Item 4**].

IESO Sandbox readiness status:

All revised/new EDAC systems have been deployed into the Sandbox environment. However, due to some delays in deploying the Customer Data Management system (CDMS) the EDAC team will require an additional two days for data entry (i.e., enter the new/revised EDAC registration data). The process of granting access to the market participant to the IESO Sandbox systems (i.e., MPI and Reports) is well underway but not yet completed.

Therefore, the start of Market Trials Ability Testing was revised to Monday May 30, 2011 (initially scheduled to start on May 24) however, the end date was kept the same, i.e., June 3, 2011. As a result, the duration of the Ability Testing was reduced from 9 days to 5 days however the IESO will allow the market participants to access the Sandbox at any time throughout the testing period and not one at the time, as initially intended.

The Market Trials – Operations schedule remains unchanged with a start date on Monday June 6.

The following Market Trials readiness milestones were marked as complete:

1. Post MT Reporting Forms
2. Post Market Manuals v4.0
3. Post MT Communication Map
4. Post MT Test Cases (Operations)
5. Post Ability Testing Schedule

The EDAC Test Team will provide MTWG members with a status update on Thursday June 02, 2011 prior to the start of Market Trials Operations on June 6, 2011. (Editorial Note: Webcast with a teleconference link; details will be provided prior to the meeting)

The IESO requested the MTWG members to send any issues discovered throughout Market Trials Ability Testing via email to edac@ieso.ca. The Market Trials Ability Testing guidelines and check list was presented to the group; a copy of the document was posted on the EDAC collaboration portal. The IESO requested market participants to update their dispatch data in the Sandbox during the execution of Ability Testing to ensure proper dispatch data resides in the Sandbox prior to June 6 when MT – Operations is scheduled to start [**Action Item 5**].

The IESO informed the MTWG members that Day-Ahead Notifications will only be available via the MPI only during Market Trials testing. The public website notifications function will not be available during Market Trials testing.

Day-Ahead Reports:

A MTWG member inquired about means to identify the new/revised day-ahead reports. The IESO will update the public and private reports site to identify the new/revised day-ahead reports, e.g., an identifier may be added to description field of the report [**Action Item 6**].

Furthermore, the IESO will provide a listing of new/retired/replaced reports to the MTWG members [**Action Item 7**].

Item 5 Next Steps

The IESO will report on the status of ability testing and readiness for Market Trials on Thursday June 2.

Item 6 Wrap-up and Adjourn

Action Item Summary

| Action Item Summary | | | | |
|---------------------|--------------|---|--------|---|
| # | 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 th . | 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 IESO will provide the MTWG members with a list of known defects impacting the execution of EDAC Market Trials prior commencing the Ability Testing by May 28, 2011. | Open | |
| 3 | May 19, 2011 | The MTWG members to review all the operations test cases to determine which test cases they are interested in performing during Market Trials and communicate this information to the EDAC team by May 31, 2011 | Open | |
| 4 | May 19, 2011 | The IESO will review how EELR submissions will be treated in the case of longer DACP run times; by August 2011. | Open | |
| 5 | May 19, 2011 | The MTWG members to update their dispatch data in the Sandbox during the execution of Ability Testing to ensure proper dispatch data resides in the Sandbox by June 3, 2011 | Open | |

| Action Item Summary | | | | |
|---------------------|--------------|---|--------|----------|
| # | Date | Action | Status | Comments |
| 6 | May 19, 2011 | The IESO to update the public and private reports site to add an identifier to description field of the all new/revised reports for EDAC, by June 3, 2011 | Open | |
| 7 | May 19, 2011 | The IESO to provide a listing of new/retired/replaced reports to MTWG members by May 27, 2011. | Open | |

DRAFT