

Summary of Meeting Presentations and Actions Related to MIO and Ramp Issues

May 7/04

From Meeting Notes

Initial expectations of MPWG are diverse and a wide range of expectations were expressed including:

- The MPWG should assess the overall philosophy of pricing (i.e. What are we trying to accomplish?)
- A more transparent pricing process that is easier to understand.
- Recognize and discuss how decisions on pricing issues affect investment & their impact on other stakeholders.
- Assess and determine the impact of MIO on market prices.
- Assist in creating an efficient balanced market with “fair” pricing.

May 25/04

Presentations/Materials

- [Pricing Overview](#)
- [Sample report – 12x Ramp Rate](#)

Actions from Meeting Notes

Action 2.6: IMO staff to inquire if MPWG can utilize Sandbox environment following MIO implementation for pricing analysis.

June 11/04

Presentations/Materials

- [Presentation on the 12x Ramp Rate in the unconstrained algorithm](#)

Actions from Meeting Notes

- Action 3.4: IMO staff to make additions and revisions to 12 Times Ramp Rate document prior to next meeting.
- Action 3.5: MPWG members to forward any impacts of 12 times vs. 1 times ramp rate issue in order to be included in the pricing issues report document.

June 25/04

Presentations/Material

- [Draft Issue document – Issue 04 Twelve Times Ramp Rate](#)
- [Presentation on Temporal Optimization](#)
- [Issue document – Issue 25 Temporal Optimization](#)
- [Guiding principles for MPWG](#)

July 9/04

Materials/Presentations

- [Issue 31 Multi Interval Optimization Pricing Methodology](#)
- [Issue 25 Temporal Optimization in the RTU but not the RTC](#)

Actions from Meeting Notes

- 4.5 IMO Issue 25 is now more specific and renamed to “Temporal Optimization in the Constrained Realtime Sequence but not in Unconstrained Real-time Sequence” and a new issue 31, “Temporal Optimization Methodology” was created. – Closed

Oct 1/04

Materials/Presentations

[Background for Issue 31 Multi Interval Optimization Pricing Methodology](#)

Actions from Meeting Notes

- Reviewed the Background Paper for issue #31. MPWG members indicated there should be further discussion around the effectiveness of MIO. Both economical and operational aspects should be reviewed.

Oct 20/04

Materials/Presentations

- [Expected Price Impacts of the Different MIO Pricing Options for Different Demand Ramp Scenarios](#)

Actions from Meeting Notes

- Action 10.1 – IMO staff to arrange for use of the Sandbox environment for further MIO pricing testing.

Nov 26/04

Materials/Presentations

- [Work Package 1 – Temporal Issues: MIO Pricing Test Plan for Sandbox Environment](#)
- [Issue 31 – MIO Pricing Methodology: Pricing Example](#)

Actions from Meeting Notes

- Action 11.1 – IMO to look into hours where simulation shows 1x price significantly lower than 12x price June 5, hours 16-18.
- Action 11.2 – IMO to simulate a high system stress day – likely selected from the week of January 12, 2004.

Jan 14 2005

Materials/Presentations

- [MIO Price Test - Presentation](#)
- [MIO Price Testing Data for Dec 10-13, 2004](#)
- [Presentation on the MIO price testing](#)

Actions from Meeting Notes

- Action 13.2 – IESO staff to investigate the impacts of the lag factor used and report on this and other issues with the sandbox simulations.
- Action 13.3 – IESO staff to forward data used to create graphs being discussed.

Feb 2/05

Presentations/Materials

- [Presentation – MIO Price Simulation](#)

Actions from Meeting Notes

- Action 14.1 – IESO to investigate providing the dispatch instructions from the sandbox testing to each MPWG member with dispatchable facilities.
- Action 14.2 – IESO staff to provide MIO highest slice pricing data for initial test in December and all future tests.

Feb 25/05

Presentations/Materials

- [MIO Price Testing Results High Slice](#)

Actions from Meeting Notes

- Action 15.6 – IESO staff to investigate if a copy of the NYISO discussion paper “Principals for a Good Price” can be obtained and distributed to MPWG members.
- Action 15.7 – IESO staff to provide MW’s dispatched above incremental price.
- Action 15.8 – IESO to provide data on other potential variations on the highest slice price option.
- Action 15.9 – IESO to draft discussion paper on the various identified pricing options.

April 7/05

Presentations/Materials

- [MIO Pricing Presentation](#)

Actions from Meeting Notes

- Action 17.2 – IESO to provide data from final week of sandbox testing.

April 19/05

Presentations/Materials

- [Explanation of MIO Pricing](#)

June 10/05

Presentations/Materials

- [MIO pricing in NYISO](#)

July 8/05

Presentations/Materials

- [MIO Pricing Options](#)

Actions from Meeting Notes

- MPWG members were requested to review the presentation material and be prepared for a more philosophical discussion of the temporal issues at the next meeting.

August 5/05

Actions from Meeting Notes

- There was some general discussion of what the next steps on this issue should be. This issue overlaps with areas outside of market pricing and should be part of a “market evolution” discussion. The appropriate forum for that discussion needs to be found.

Sept 9/05

Presentations/Materials

- [Temporal Optimization – MIO Pricing](#)

Actions from Meeting Notes

- Several members were in agreement with a suggestion to review the principles and rationale behind this issue before pursuing any further simulations or design details.
- Action 23.4: IESO staff to review and update the existing MPWG papers on this topic (Issues 4, 25 and 31).