



Member Impacting Project Overview PR20130012 Market to Market

Table of Contents

Table of Contents.....2

Version Control2

Document Purpose.....2

Executive Summary2

Business Impact3

Technical Impact.....3

Member Requirements4

Implementation/Back-out Plan.....4

Summary of Timeline.....4

Assumptions.....5

Risks5

Additional Documentation.....5

Communication Plan5

Next Steps.....5

FAQs.....5

Version Control

Version	Date	Author	Change Description
1.0	3/3/14	Chuck Jennings	Initial creation and submission
2.0	7/23/14	Chuck Jennings	Updated to clarify testing, risks and updated next steps
3.0	1/21/15	Chuck Jennings	Updated project risks

Formatted: Highlight

Document Purpose

This template should be used to provide initial and ongoing communication of member impacting projects to the CWG and membership.

The Project Manager should provide the MIPO with an initial review period. The CWG Representative should review the MIPO and provide feedback and response, including request for a MIPO review meeting, during the comment period.

All MIPO updates will be red-lined, and that version will be saved as MIPO_<PR#_NAME_V#.R#> where V# is the version number associated with the touch point, and R# is the release within that touch point. The latest version will have accepted redline from the previous version, and any new changes redlined. The CWG and/or project liaison will be notified of any MIPO change.

Executive Summary

The Market to Market (M2M) project will implement processes and system functionality to allow any flowgates that are significantly impacted by generation dispatch changes in both MISO and SPP to be jointly managed in Real-Time in such a way that relief on such flowgates is provided economically and prices in the two RTOs converge. This approach to joint management of flowgates near the market borders will provide the more efficient and lower cost transmission congestion management solution, while providing coordinated pricing at the market boundaries.

Business Impact

Market to Market coordination creates more efficient market processes, improving reliability excellence, and creating member value. The objective of Market to Market coordination is to achieve the least cost redispatch solution for coordinated constraints across the different markets. As a result, it enhances system reliability by pooling resources from the different markets to jointly control transmission constraints near the market borders. By more efficiently dispatching to manage constraints we expect to lower overall congestion costs. To the extent that SPP can re-dispatch at a lower cost than MISO, SPP's members will be compensated by MISO for the redispatch. To the extent that MISO can redispatch more efficiently than SPP, SPP's members will benefit from the lower cost of re-dispatch while compensating MISO for the value of the service provided. Through coordinated re-dispatch, the Market to Market project will also create more reliable operations, and create more consistent pricing between markets which will help members derive additional value in the Marketplace.

Users Impacted

Resource-owning and/or Load Serving Entity Market Participants impacted. Financial-only MPs are not affected.

Business Functions Impacted

Market System
Ops Engineering
Settlements

Technical Impact

There will be no member technical impacts from this project. All member impacts will flow through Settlements via Revenue Neutrality Uplift (RNU).

SPP Systems/Processes Impacted

Market to Market coordination logic needs to be added to the Marketplace system software in order to manage congestion appropriately and efficiently between SPP and MISO. Settlements systems will need to be modified to accept additional data from MISO and to include settlement data that will be handled via RNU for collection from / distribution to SPP Members.

Anticipated Member Systems/Processes Impacted

An existing billing determinant in the RNU Charge Type will begin to be populated with values. This billing determinant (#RTJoaHrlyAmt) was included in the Marketplace Go-Live Protocols. If Participants included this determinant in their initial software implementation, no system changes are required.

Member Requirements

Not applicable

Testing

Member testing to validate that RNU is totaling correctly.

Training

Customer Training will provide process-based training on the overall Market to Market project in the form of a Computer-Based Training (CBT) self-study course accessible via the Learning Management System (LMS). Course topics include, but are not limited to, the following: an overview of the process, a Market to Market example, and settlement implications.

Each entity will be responsible for identifying and ensuring appropriate staff receives offered training and/or documents or certifies readiness for identified staff.

Assumptions:

- All member companies will identify personnel to receive project-related training and/or documentation.
- All member companies will use the LMS to register for any project-related training sessions, if applicable.
- Attendance will be tracked as part of Market Participant Readiness via the LMS, so all attendees must have a LMS account.
- SPP Training will provide learning opportunities that aid understanding, but each entity will be expected to certify performance readiness.

Implementation/Back-out Plan

The Back-out plan will be a procedure to not accept M2M requests from MISO, nor initiate M2M from SPP, both via MOI. This process would be initiated if an issue was found or SPP and/or MISO are not ready 3/1/2015 or FERC ultimately doesn't allow implementation of the Market to Market project. By executing a business procedure versus backing out the code, we would reduce the potential impact to Market Participants.

Summary of Timeline

Date	Responsible Party	Action
5/9/14	SPP / MISO / Alstom / OATI Project Teams	Design
7/16/14	SPP / MISO / Alstom / OATI Project Teams	Build
1/5/15	Member	Testing opens
1/23/15	Member	Testing closes
3/1/15	Project Team/Member	Implementation

Assumptions

Vendor development is completed on dates estimated by SPP.

Risks

Development delays by vendors may delay testing of core components. Development and integration testing with MISO.

Due to the difference in settlement dates between SPP MPs, MISO MPs, & SPP/MISO, daily revenue neutrality is not possible. Options are being looked at to address or otherwise minimize. SPP and MISO are working on a strategy to mitigate this risk and a meeting has been scheduled for 1/22 To review options with MISO. Any changes to the current billing cycle will be implemented post 3/1/2015, and will not impede an on time go-live.

Completion of testing risk. Testing is ongoing for SMFC and Settlements. SMFC and Settlements are in SAT and have SIT and FIT left to complete.

Finalizing and practicing critical business processes for M2M ATF processing. This work is ongoing and dependent on completion of the "Day in the Life" sessions with MISO for verification that they are comprehensive and complete. "Day in the Life" workshops are scheduled for 1/12/2015 – 1/30/2015.

Additional Documentation

None

Communication Plan

Communications will be handled according to the overall Integrated Marketplace Program Phase 2 Communications Plan.

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder. This MIPO will be updated upon change or with any new information, a redline version posted to the project documentation folder, and the CWG notified.

Next Steps

Action	Assignee	Status & Due Date
Post MIPO and send review notification	CWG Staff Secretary	Week of 7/18/2014
Request liaisons at member/participant companies	SPP Customer Relations and Project Manager	NA, liaisons will not be utilized for M2M
<u>Complete remaining testing</u>	<u>Project Team</u>	<u>Ongoing, anticipate completion the week of 1/16/15</u>
<u>Install M2M systems into Production</u>	<u>Project Team</u>	<u>Migrate M2M system to Production with date effective constraints to prevent M2M from starting before 3/1/15</u>

FAQs

Frequently asked questions will be added to the document as identified or necessary.

Project Title

