

INTEGRATED MARKETPLACE *UPDATE*

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Key Dates:

- Mar. 1, 2014: Integrated Marketplace Go Live

The latest from the Marketplace workstreams: Balancing Authority functions, Markets Systems materials, Ramp-training

SPP has posted a document detailing how the **SPP Balancing Authority** function calculates regulation reserve requirements to [OASIS](#) in the “SPP BA Information” folder. Please submit any questions to the [Request Management System](#) (RMS).

The latest **Markets** User Interface Guide and Markets Web Services Data Exchange Guide are available in the [Market Systems folder](#). Please reference the [Marketplace Change Tracker](#) for a description of changes. Use the [RMS](#) for any questions.

Customer Training has added a self-study, computer-based training on “Ramp Rate Interactions” to the SPP [Learning Management Center \(LMS\)](#).

It's alive! The Integrated Marketplace goes online – as planned

Seven years in the making, the Integrated Marketplace became a functioning and [financially binding market at 12:05 a.m. March 1](#) with the first posting of market prices.

On time and on budget. By design.

SPP is now the first Regional Transmission Organization (RTO) to design, build, test, and implement a Day 2 market on time. SPP and program staff celebrated the milestone with a countdown and a sparkling grape juice toast at midnight.



SPP Chairman Jim Eckelberger, COO Carl Monroe during Go Live Night.

“Every one of you should take immense pride in doing something that’s never been done before,” said Jim Eckelberger, chairman of SPP’s Board of Directors. Referring to the Energy Imbalance Service Market’s implementation in 2007, Eckelberger said, “This is the second time we’ve celebrated a non-event.”

“A lot of planning went into making this a non-event,” said Bruce Rew, SPP’s vice president of Operations and the Integrated Marketplace’s executive sponsor.

The Integrated Marketplace’s initial work began in 2007, shortly after the EIS Market’s implementation. The Marketplace’s market design was approved in April 2011, and the difficult work of building market systems – and connecting 103 market participants to those systems – began in earnest shortly thereafter.

Three pages of high-level design requirements turned into more than 900 pages of Integrated Marketplace protocols. Some 700 SPP staff, contractors, and vendors spent at least some of their time working on the Marketplace’s design or testing the various systems. More than 6,000 hours were spent preparing for, traveling to, and attending meetings of the Change Working Group, the member-driven committee responsible for overseeing the Integrated Marketplace’s implementation.

Alluding to '70s TV shows Mission Impossible and The A-Team, SPP CEO and President Nick Brown told SPP staff, "I love it when a plan comes together."

That plan also involved close collaboration and involvement of SPP's members, market participants, and vendors. "We focused on ensuring everyone reached the finish line at the same time," Brown said. "However, we would not have been successful without the input, cooperation, and hard work of our many stakeholders."

"The Integrated Marketplace is a key step in the evolution of SPP's markets," said SPP's Sam Ellis, the Marketplace's program director. "As one of the last RTOs to launch a 'Day 2'" market, we had the opportunity to implement a market based on lessons learned from others. We used innovative information systems technology as a foundation for our systems. All that, and we were the first to deliver a Day 2 market on time, doing so at a fraction of the cost of those who've gone before us."

The hard work continues. SPP conducted two conference calls with MPs to review the Integrated Marketplace's opening weekend. Extreme cold weather – which included ice storms – and fuel constraints caused some problems with forecasting and dispatching generating resources, but the Marketplace system remained protocol compliant. The market-clearing engine for the Day-Ahead Market and Real-Time Balancing Market performed as expected. The March 1 operating day's settlements run was conducted in an SPP-best nine minutes.

Two additional market conference calls have been scheduled for March 14 and March 28.

The Integrated Marketplace is expected to yield up to \$100 million in annual net benefits to SPP's RTO region.

Integrated Marketplace Phase II project team already hard at work

The Integrated Marketplace is alive and well, but work has just begun on post-Go Live improvements to the markets. The Integrated Marketplace's

Phase II project will oversee the incorporation of Federal Energy Regulatory Commission

Integrated Marketplace Phase II Project	
Regulation Compensation (FERC Order 755)	Pays regulation providers according to performance in response to SPP regulation-deployment signals.
Long-Term Congestion Rights	Provides MPs the ability to hedge multi-year congestion risks associated with qualifying transmission reservations.
Market to Market	Reduces combined SPP-MISO Real-Time re-dispatch costs to mitigate cross-market flows on reciprocally managed flow gates.
Environment Build-Out	Permits the delivery, testing, and market trials of major initiatives during production.
Enhanced Combined Cycle	Permits submission of separate offers for each registered configuration of a combined cycle unit. Allows Security Constrained Unit Commitment algorithm to select the optimal configuration for each hour in the Day-Ahead Market and RUC processes.
Pseudo Tie-Out	Allows SPP to pay/charge generation and load which have pseudo tied-out of the SPP BA for congestion and losses.

(FERC)-mandated and member-requested improvements, including Enhanced Combined Cycle and Regulation Compensation.

The Phase II project team has developed a governance model, identified key staff, and conducted a lessons-learned survey of the Integrated Marketplace program. The team is working with vendors to estimate the required work and is completing a detailed project plan for design. SPP faces a March 1, 2015 deadline to implement the three FERC-mandated projects.

“We really have no time to waste on this,” said Alice Wright, manager of the SPP Project Management Office and leader of the Phase II effort. “One thing we have to take into consideration is our staff’s responsibility to support the Integrated Marketplace. As these resources become available to us, we will onboard them into the program as quickly as we can.”

The Phase II team will follow much of the precedent set by the Integrated Marketplace project. The team will make monthly updates to the Change Working Group, and closely involve members in the work.

Customer Training offers Marketplace Reference Guide, Training Catalog

SPP’s Customer Training department has added to the wealth of its offerings with a pair of documents that will help new market participants (MPs) or those who need to brush up on their Marketplace Training.

Training has posted an Integrated Marketplace Reference Guide and the 2014 Integrated Marketplace Training Catalog to the [Integrated Marketplace Training page](#) on SPP.org.

The reference guide is similar to a job aid in that it can quickly aid members and MPs in understanding Marketplace concepts. “I see it as sort of a collection of ‘one-pagers’ to help members and market participants recall topics, such as demand bids, market timelines and control statuses,” said Michael Daly, a senior customer trainer.

The training catalogue is helpful for new members and MPs trying to get on-boarded for Marketplace participation, but it also will help those wishing to “brush-up” on any Marketplace training. The catalog lists available training by topics (16 in all) and level, and includes links to reference documents.

Integrated Marketplace training is available as online “learning bursts” (short, targeted sessions of 10 minutes or less) or computer-based, self-paced modules. The catalog also includes links to archived classroom sessions and net conferences.

Training for Phase 2 of the Integrated Marketplace will be added once the project’s requirements have been finalized.

New on the Integrated Marketplace website: Marketplace Protocols v 19.1, Settlements calendar

SPP has posted [version 19.1](#) of the Integrated Marketplace Protocols for review. Protocol-revision requests, comments, and related questions should be sent to protocolrevisions@spp.org.

The Integrated Marketplace [Settlements Calendar](#) for March-May 2014 has been posted to the [Integrated Marketplace Portal](#).

More information is available through the following resources:

- [Integrated Marketplace on SPP.org](#)
- [Marketplace Workstream Directory](#) (PDF)
- [Integrated Marketplace Scorecard](#) (PDF)
- [Request Management System](#)

This message was sent by the SPP Integrated Marketplace Program.

Please use the [Request Management System](#) if you have questions or feedback on the content of this message.