

Member Impacting Project Overview

Markets Release 1.21 V3.0

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Version Control

Version	Date	Author	Change Description
1.0	2-22-17	Ginny Watson	Initial Version
1.1	3-20-17	Ginny Watson	Minor date adjustments, testing kick off information, and technical specification information
1.2	4-3-17	Ginny Watson	<ul style="list-style-type: none"> • CHANGE OF MP TESTING DATES!!! • Clarification on specific enhancements based on questions from March CWG meeting, • additional documentation posted, • registration details regarding the RRs in the release
1.3	4-7-17	Ginny Watson	Overall schedule change !!
2.0	5-12-17	Michael Hodges, Leann Poteet, Ginny Watson	Added detail to testing section and updated schedule Added FAQs
2.1	5-22-17	Michael Hodges, Ginny Watson	Added new information pertaining to test environment and the Portal Redesign Project Updated dates for RR130 Test Execution Added RMS Q&A
3.0	6/14/17	Ginny Watson	Info on production implementation of RR127/205 Added RMS Q&A

Executive Summary

This Markets release will include several Revision Requests (RRs) which have been passed by the membership as well as some enhancements and defect fixes.

A. RR127 - JOU Combined Option - Aggregate Energy Offer Curve RR205 – Correction to RR127 for Regulation Limit Requirements

In the current market design, each share of a Combined Resource Option is allowed to put in their own independent offer based on their costs for energy. A potential gaming opportunity is possible for minority shares of the JOU by putting in a larger than normal Energy Offer Curve and getting dispatched to their minimum. Since the entire JOU plant is committed or none at all, the Asset Owner with the higher than normal Energy Offer Curve is made whole to that curve.

Revision Requests 127 and RR205 eliminate the potential gaming opportunity by taking all shares' pricing points of a Combined Resource Option for a JOU and aggregating those price points into one Energy Offer Curve.

RR205 adds language that was inadvertently missed to include the Minimum Regulation Capacity Operating Limits as part of the design changes to make the necessary modifications to the Combined Resource Option design.

In addition, RR205 removes existing language in Section 5.2.2.5.4 (2) (b) that requires the sum of the Minimum Emergency Capacity Operating Limit of each JOU Share Resource associated with the Physical JOU Resource must be greater than or equal to the Physical JOU Resource minimum physical capacity operating limit. This language is no longer applicable per the additions in 5.2.2.5.4 (4) which require the Minimum Emergency Capacity Operating Limit to be zero.

Both of these revision requests change the Integrated Market protocols and the SPP Tariff. The RRs are posted [here](#) and [here](#). RR127 was approved by MWG on 11-17-15 and approved by the BOD on 1-26-16. RR205 was approved by MWG on 1-24-17 and is expected to be voted on at MOPC in April, 2017.

B. RR130 – Commitment Notification Enhancement

Currently SPP Resource commitment notifications are confirmed received by the Market Participant's system. A timestamp of receipt log is maintained by SPP in order to provide assurance that a Market Participant received all SPP Resource commitment start-up, shut-down, and MCR transition notifications.

Although a Market Participant's system provides a timestamp of receipt, there is no way to confirm the operator actually received the commitment instruction. This Revision Request will address this potential gap by requiring an additional acknowledgement via the Markets User Interface or Application Programmable Interface to confirm the commitment notifications were received by the operator. SPP will follow-up with a phone call if the commitment instruction is not confirmed. The result of this RR is increased quality of the Reliability Coordination and Balancing Authority functions by ensuring Resource Commitments are received by Operators.

The RR modifies the Integrated Marketplace Protocols. The RR is posted [here](#). This RR was approved by MWG on 11-17-15 and by MOPC on 1-12-16.

C. RR153 – Offer Database Roll Forward

Under the current protocols, submitted resource offers roll forward hour to hour in the respective market. This can cause issues when intraday changes that are only meant to apply to the current day carry forward to subsequent days.

For example, consider that a market participant submits DA and RT offers for the next day, and a resource is submitted in Reliability status for all hours in both the DA and RT markets. Later in the day, an intraday operational change causes the participant to change the RT commit status to Self for HE 18 today. The participant hasn't submitted any new records for the following days, but the modified HE 18 RT commit status submitted for today carries forward in the Markets UI/API to HE 18 for the next seven operating days. When the DA RUC runs later today, due to the current carry forward functionality in the Markets UI/API, it commits the resource for HE 18 tomorrow even though the participant didn't originally submit it in Self.

The existing workaround requires the participant making intraday operational changes to make two market submissions - one for today's intraday change, and another to change tomorrow's RT submission back to the originally submitted value when the intraday change is not intended to roll forward into subsequent operating days.

This RR amends the language to prevent subsequent days' RT offer submissions from being overwritten by intraday RT changes, so participants no longer have to make two market submissions each time there is an intraday operational change that is not intended to roll forward to subsequent operating days.

This RR does NOT affect Virtual Bids, which do NOT roll forward.

Both Integrated Marketplace Protocols and the SPP Tariff are affected. This RR can be found [here](#). This RR was approved by MWG on 4-19-16 and by MOPC on 7-25-16.

D. RR198 – Variable Demand Curve

RR175 modifies scarcity pricing for Energy, Regulation and Contingency Reserves. The functionality of RR175 and RR198 was released in 1.20.5 Markets release and will be effective prior to Markets Release 1.21. Public Data on the Integrated Marketplace portal made the data available per the RR requirements; however, the API portion of RR198 will be included in the Markets Release 1.21. Details about RR198 can be found in the RR documentation [here](#). The RR was approved by MWG on 12-13-16 and by the Board of Directors on 1-31-17.

E. Miscellaneous Enhancements and Defect Fixes

These changes include several updates to the Markets UI/API that are member impacting or member-facing. A detailed explanation of each change is listed in the Business Impact section of this MIPO.

Business Impact

A. RR127 - JOU Combined Option - Aggregate Energy Offer Curve RR205 – Correction to RR127 for Regulation Limit Requirements

This Revision Request makes all shares under a Combined Resource Option start at a minimum capacity of zero for the first price point. If committed, all shares of that Combined Resource Option for that JOU will be eligible to recover Start-Up and No-Load

costs as described in the Protocols. The shares will only receive a dispatch instruction greater than zero based upon the new aggregated Energy Offer Curve thus eliminating the potential gaming opportunity.

Each Asset Owner of a JOU share is required to submit a zero for the following minimum limits: Minimum Emergency Capacity Operating Limit, Minimum Normal Capacity Operating Limit, Minimum Economic Capacity Operating Limit, and the Minimum Regulation Capacity Operating Limit.

B. RR130 – Commitment Notification Enhancement

An additional acknowledgement via the Markets User Interface or Application Programmable Interface is required to confirm the commitment notifications were received by the operator. SPP will follow-up with a phone call if the commitment instruction is not confirmed.

C. RR153 – Offer Database Roll Forward

Subsequent operating days’ RT offer submissions will not be overwritten by intraday RT changes, so participants no longer have to make two market submissions each time there is an intraday operational change when a change was only meant to apply to the current operating day.

This RR does NOT affect Virtual Bids, which do NOT roll forward.

D. RR198 – Variable Demand Curve

The functionality of RR198 was released in 1.20.5 Markets release and will be effective prior to Markets Release 1.21. Public Data on the Integrated Marketplace portal made the data available per the RR requirements in May; however, the API portion adding the Variable Energy Demand Curve (RR198) will be included in the Markets Release 1.21.

E. Miscellaneous Enhancements and Defect Fixes

MPs will need to make updates to their systems to adhere to the API changes for the MP Impacting items. Please take note of the MP Facing items as well. There are no system changes for you to make on the “Facing” items, but they might impact your processes.

Issue ID #	Enhancement Description	MP Impact	Associated ID
02-1506	Title: Add 'Modified Time' and 'Modified By' to Energy Offer Displays Summary: In the Markets UI and API, add Modified Time and Modified By of user who made the last change to all Resource Offer screens.	MP Impacting	RMS 2286
02-2464	Title: UI Transaction Log Enhancements Summary: In the Markets UI, add a transaction type column to identify if the transaction is a Submission, Query, or Notification. This column should be filterable.	MP Facing	None

Issue ID #	Enhancement Description	MP Impact	Associated ID
02-3223	<p>Title: Add Reserve Zone to DA and RT Cleared OR Offers</p> <p>Summary: Add reserve zone to the Day-Ahead and Real-Time Cleared Operating Reserve offers in the Markets UI, API, and applicable XML notifications. Participants using the ReserveService and/or ReserveNotifyService (XML Notifications) will be required to make system changes.</p>	MP Impacting	RMS 8051
02-3513	<p>Title: CRD Display and an XML Notification Be Created for All CR Deployments</p> <p>Summary: Add all Contingency Reserve Deployments to the Markets UI displays, API operations and XML notifications. Currently, there are no CRD specific notifications for spinning and supplemental reserve deployments (only for BDRs). Participants using the ReserveService and/or ReserveNotifyService (XML Notifications) would be required to make code changes.</p> <p>This item is considered Member Impacting since it will be a new notification to members who have supplemental or spin qualified resources. MPs will need to update their systems to account for the new notification if they wish to receive it. If the MP does not wish to receive the new notification, there are no changes other than the other changes for the 'reservenotify' service included elsewhere in the release.</p>	MP Impacting	RMS 10149
02-3874	<p>Title: Report When a Flowgate has a Negative Violation Degree in MUI VRL</p> <p>Summary: When a flowgate with a negative flow incurs VRL, the violation degree is negative. When this degree is negative, is it not reported in the Markets UI or API. SPP expects that if Violation degree is non-zero, then it should be reported in the VRL display.</p>	MP Impacting	None
02-4765	<p>Title: New UI/API Warning Message for Manually Committed Resources</p> <p>Summary: Currently the Markets UI/API allows updates to offer parameters of resources that have already been committed for that date (Manual Commitments or Local Commitments). Although the UI/API will accept the change this is not used as an input to the study. This is confusing to MPs that update their DAMKT offers before 11am because they expect the changes to show up in their results. There should be a warning message, similar to overrides, that indicates the offer that was effective at the time of commitment will be used. Adding this functionality would prevent confusion when MPs attempt to update their DAMKT offers.</p> <p>This item is Member Facing in that it will strictly be a warning message that members will now see if a member attempts to update their offer parameters after the resource has already been committed. It will not change the way MPs submit their data today.</p>	MP Facing	None

Issue ID #	Enhancement Description	MP Impact	Associated ID
02-5347	<p>Title: Remove Commitment Status from both the UI/API Commitments</p> <p>Summary: To eliminate confusion being caused to participants between the commitment status displayed for commitments vs commitment history, please remove the commitment status from the Resource Offer/Commitment page and the following APIs - GetEnergyCommitmentSet GetEnergyCommitmentSet PostEnergyCommitmentSet - Notification</p>	MP Impacting	RMS 30301
02-5412	<p>Title: TransactionNotifyServiceV2 Namespace Version Update</p> <p>Summary: This change will update the TransactionNotifyServiceV2 wsdl to include v2 in the following namespace - xmlns:v21="http://api.spp.org/schema/mui/Transaction/v2". This issue is a correction to the current version of the Transaction Notify Web Service in which the change namespace update was communicated to MPs and several made the update yet the code was never implemented by the SPP vendor. This caused several MPs to no longer receive all the information provided via the notifications included in the Transaction Notify Web Service. The update will align with what is documented in the current version of the Transaction Notify Web Service specifications with how real-time operations.</p>	MP Impacting	RMS 30899
02-5546	<p>Title: Inaccurate LMP Data for MCR Resources</p> <p>Description: In certain situations, SPP systems can mis-interpret data provided by MPs with MCR Resources which results in the inaccurate reflection of LMPs obtained via ICCP. This issue does not affect Set Point Instructions.</p>	MP Facing	RMS 32036

Technical Impact

The included RRs and enhancements affect all Market Participants who use the Web Services functions that are being changed. See section below for list of Web Services affected.

A list of specific operations that are being modified were made available with the final technical specifications.

Public Data will also be used to show the data associated with the changes on RR175/RR198.

All MPs are potentially impacted, non-resource owning, resource owning, wind, virtual bidders, API users, MUI users, etc. – Anyone who uses the web services or operations that are being modified or anyone who needs to access the data associated with these RRs.

Final specifications (WSDLs and XSDs) were posted by SPP on March 24, 2017.

SPP Systems/Processes Impacted

- Public Data
- Markets UI
- Markets API

Anticipated Member Systems/Processes Impacted

Both the current and new versions of the following API and notification web services will be available in the MTE and Production environments until August 7, 2017. The current versions of these web services will be retired on this date at which time members will need to have their systems transitioned over to the new versions. Members will be able to subscribe to the new versions of the notification web services at the time of installation.

New specifications were available in MTE on May 19, 2017
Old specifications expire in MTE on August 7, 2017.

New specifications will be available in Production on July 20, 2017
Old specifications expire in Production on August 7, 2017

- Energy Web Service
 - Energy Notify Web Service
 - Market Web Service
 - Market Notify Web Service
 - Reserve Web Service
 - Reserve Notify Web Service
 - Transaction Notify Web Service
- Regarding the **API changes** associated with RR175 and RR198
 - API changes included in Markets Release 1.21
 - RR175 – Add Energy as a demand curve
 - RR198 - Display newly calculated MWs for Regulation UP and Regulation Down
 - RR198 - Provide the ability to view multiple price curves for OR, Regulation UP and Regulation Down.
 - API changes planned for inclusion in Markets Release 1.23
 - RR198 - Provide the factor information for Regulation Up and Regulation Down.
- Regarding the **Public Data** changes associated with RR175 and RR198
 - Create new Public Data Scarcity Demand Curve files for Energy, OR, REGUP and REGDN
 - RR175 – Provide Energy as a demand curve
 - RR198 - Provide newly calculated MWs for Regulation UP and Regulation Down
 - RR198 - Provide the ability to view multiple price curves for OR, Regulation UP and Regulation Down.
 - RR198 - Provide the factor information for Regulation Up and Regulation Down.
- **Registration:** If the MP wishes to stay registered as a combined JOU, there are no registration changes to make.
- If an MP wishes to opt out of the combined JOU option, registration changes are due by June 15, 2017 for an August 1, 2017 effective date.
 - Asset Owner of the JOU:
 - Submit a project in the Model Change Submission Tool (MCST) with Appendix B attached, identify the resource to be changed, and its Physical Regulation Capacity Operating Limit.
 - Once this is complete, move the project in MCST to MPApproved.
 - Asset Owner of Resource Assets that are tied to the JOU:

- Submit a project in the Model Change Submission Tool (MCST) with Appendix B attached, identify the resource to be changed, and its Minimum Operating Limit dropped to zero.
 - Once this is complete, move the project in MCST to MP Approved.
- Market Participants that would like to opt out of the combined JOU option, in order to test as an Individual JOU, in MTE should submit an RMS ticket listing the Asset Owner of the JOU and the Resource Asset Name(s) by **June 01, 2017**. The model will be updated in MTE on June 06, with a June 08, effective date.
- An **Integrated Marketplace Markets Resource Offer Roll Forward Guide** is now available in the [Business Rule Guides](#) folder located under the [Marketplace Technical Reference Documents](#) folder on spp.org. The intent of this document is to provide participants with a reference guide that describes how the roll forward process works for submitted resource offer data. *This document is a reflection of how the roll forward logic will behave once MRR153 is implemented.*
- Also, the (previously published) Integrated Marketplace Market User Interface Business Validations_v14.0 document has been relocated to the [Business Rule Guides](#) folder located under the [Marketplace Technical Reference Documents](#) folder on spp.org.

Member Requirements

The Markets UI, API, and XML Notifications as well as the Markets page on the public portal are impacted by the implementation of the RRs listed in the Business Impacts section of this document. A listing of the changes expected is pasted below. Please refer to the Release 1.21 Design Specification document for more detailed information on these changes. The Design Specification document will indicate which enhancement / RR caused the change.

1. [Markets UI, API, XML Notifications](#) -- The Markets UI, APIs, and XML Notifications will be modified to add/update/remove the following functionality:
 - Add:
 - Modified Date, Modified By, Effective Time and Termination Time to all Resource Offer displays: GetEnergyAuditDataSetByDay
 - PostEnergyCommitmentAcknowledgeSet
 - JOU Combined Option – Aggregate Energy Offer Curve
 - Variable Demand Curve of 'Energy' (due RR198)
 - Report for negative violation degrees
 - Reserve zone to DA and RT Cleared Operating Reserve Offers
 - Update:
 - Namespace in the Transaction Notify Web Service to contain V2
 - Soap Actions in Energy Web Service to reflect the correct service -
 - 'Modified Date' and Modified By' to Energy Offer
 - 'Transaction Type' to UI Transaction Log
 - Reserve Zone to DA and RT Operating Reserve Offers
 - Warning Message for Manually Committed Resources
 - Effective Termination Times for all Resources Offers
 - Commitment Notification validation for all Dispatch Instructions
 - Remove:
 - Commitment Status for Get Energy and Post Energy Commitment Sets

Testing

There will be a designated time period during which the MP-facing test environment (MTE) will be opened to the MPs for their testing efforts on this release. (See timeline section of this document).

A Markets Release 1.21 Testing kick-off meeting was held on Monday, May 23 (10:30 – 11:30 a.m. CST).

Structured testing by the MPs is encouraged since there are system changes to be made by the MPs. SPP will issue high-level test cases and maintain scorecards to track MP testing. Testing will focus primarily on the Markets system changes and will include cases that exercise both the IT and operational functionality updates.

The testing for this release will NOT be BID-TO-BILL testing. The Markets Settlement System will be testing the 2.10 Release in MTE June 08 – 22. SPP will also commit Resources, including JOUs, for Day-Ahead and RUC studies during this time frame in order to see a Make Whole Payment for JOUs using the Combined option, to see the changes associated with RR127/205. This Revision Request makes all shares under a Combined Resource Option start at a minimum capacity of zero for the first price point. If committed, all shares of that Combined Resource Option for that JOU will be eligible to recover Start-Up and No-Load costs as described in the Protocols. There is no specific action to be conducted for this testing by MPs from a Settlements perspective. See the Markets Settlement System 2.10 Release MIPO (located [here](#)) for additional detail and information regarding other Settlement impacts related to the Markets Settlement System 2.10 Release.

In addition to the Markets 1.21 and Settlements 2.10 testing in MTE, the Marketplace Portal Redesign project will rolling out the new Portal in the environment during this time as well. Member testing of the redesigned Marketplace Portal began on 5/29/2017. In preparation for this testing, the redesigned Marketplace Portal went live in MTE on 05/23/17. MPs who use the Portal to access the Markets UI will have two options for testing for the Markets release to use the current Portal or the updated Portal. Note that testing on one satisfies the needs for Markets, testing on both is **not** required.

Effective 5/23/17 at 10:00 am CPT, the link for the new Marketplace Portal is <https://marketplace-mte.itespp.org/> and the link to the old (current) Marketplace Portal is <https://marketplace2-mte.itespp.org/>. For those MPs that choose to test using the new Portal, additional set-up will be required upon first logging in – for more detail regarding this set-up and on the project in general, visit the [CWG Marketplace Portal Redesign project folder](#). Questions relating to the Portal project can be submitted through RMS using the “Project Inquiries” quick pick and the ‘Marketplace Portal Redesign’ Subtype.

Market Participants that have a registered JOU using the combined resource option can start testing RR127/205 in MTE on 05/30/2017. All MPs that have a combined resource JOU will need to submit the following Min Limits values as 0 for OD 05/30/2017 in MTE:

- Min Emer Limit
- Min Normal Limit
- Min Eco Limit
- Min Reg Limit **Null should be used for Resources that are NOT Reg qualified*

A 0 (zero) is expected to be submitted or a validation error will be returned until the min limit fields become read only on **05/30/2017**.

The designated JOU combined Resource will begin submitting new physical hourly offer parameters on 05/30/2017. The share JOU will be able to view these parameters via the UI and query via the API.

- Physical Minimum Capacity Operating Limit
- Physical Minimum Regulation Limit

A new validation was added for the new offer parameters. The Physical Minimum Regulation Limit should be greater than or equal to the Physical Minimum Capacity Operating Limit.

The Use Slope option for an Energy Offer Curve has the following changes beginning on 05/30/2017 for JOUs with the combined resource option:

- UI: the Use Slope option will be submitted by the designated JOU
- UI: the Use Slope option will be read only for the share JOU in the UI
- API: the share JOU may submit a value in the API, the value will be updated from the designated JOU submission

Market Participants that would like to opt out of the combined JOU option, in order to **test as an Individual JOU** in MTE, should submit an RMS ticket listing the Asset Owner of the JOU and the Resource Asset Name(s) by **June 01, 2017**. The model will be updated in MTE on June 06, with a June 08, effective date.

Testing of RR130 (Commitment Notification) will require coordinated testing between SPP and MPs. To streamline this effort and make it as efficient as possible SPP has scheduled June 13, June 14, June 15, and June 21 to conduct this testing.

SPP posted testing materials on May 12, (See timeline section of this document). There is no current plan for formal liaison engagement.

Testing Assumptions:

- All MPs should have already conducted connectivity testing to the MP-Facing Integrated Test Environment (MTE). This project timeline will not include connectivity testing.
- MP's staff members who are participating in the testing are trained on the systems they are testing.

Production information for MPRR127/205

Starting on 07/25/2017, all MPs that have a registered JOU using the Combined Resource Option can begin submitting a zero value for the following Min Limits in Production for Operating Day 08/01/2017:

- Min Emer Limit
- Min Normal Limit
- Min Eco Limit
- Min Reg Limit **Null should be used for Resources that are NOT Reg qualified*

This update should be completed no later end of day **07/29/2017** in order to meet the Day Before Day Ahead study process. This is a required change for RR127/205. On 07/27/2017, SPP will contact AOs whose min limits are not set to zero for OD 08/01/2017.

Min limit fields will become read only on **08/01/2017**.

Training

There is no formal training planned for this release. The Markets UI User Guide will be updated.

Additionally, the CBT titled “Model Configuration Option Examples” will be updated with minor updates.

Summary of Timeline

Date	Responsible Party	Action
05/23/17 -> 07/06/17	MPs	MP Testing Phase in MTE
06/01/17	MPs	Submit RMS ticket to opt out of combined JOU option for MTE testing
06/08/17 – 06/12/17	SPP/MPs	RR 130 Scheduled Testing
06/15/17	MPs	Deadline to submit registration changes on combined JOU
07/20/17	SPP	Markets Release 1.21 to production: RR130, RR153 effective
07/25/2017	MPs	Submit a zero value for the following Min Limits in Production for Operating Day 08/01/2017: <ul style="list-style-type: none"> • Min Emer Limit • Min Normal Limit • Min Eco Limit • Min Reg Limit <i>*Null should be used for Resources that are NOT Reg qualified</i>
08/01/17	SPP	RR127 and RR205 become effective

Project Assumptions

None at this time.

Risks

None at this time.

Additional Documentation

- An **Integrated Marketplace Markets Resource Offer Roll Forward Guide** is now available in the [Business Rule Guides](#) folder located under the [Marketplace Technical Reference Documents](#) folder on spp.org. The intent of this document is to provide participants with a reference guide that describes how the roll forward process works for submitted resource offer data. *This document is a reflection of how the roll forward logic will behave once MRR153 is implemented.*
- Also, the (previously published) Integrated Marketplace Market User Interface Business Validations_v14.0 document has been relocated to the [Business Rule Guides](#) folder located under the [Marketplace Technical Reference Documents](#) folder on spp.org.
- A revised Markets UI guide was released May 12.

Communication Plan

Monthly updates will be provided via written status report or presentation to CWG.

MIPO and Project Documentation

All project communication and information will be posted to the SPP Change Working Group Project Documentation folder, Markets Release 1.21 subfolder. You will find it on spp.org by clicking on ORG Groups, Change Working Group, Reference Documents, CWG Project Documentation, and finally, Markets Release 1.21.

This MIPO will be updated upon change or with any new information. With any update, a redline version is posted to the project documentation folder, and the CWG is notified.

Next Steps

Action	Assignee	Status & Due Date
MP Testing	MPs	05/23/17 – 7/6/17

FAQs

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

Question	Origination	Answer
What happens if a commitment notification is attempted to be acknowledged after it has already been acknowledged (accidentally acknowledge a second time)? Would there be an error returned via API?	CWG meeting 3-22-17	It will not return an error. It will allow the member to acknowledge as many times as they want to, but won't do anything if it has already been acknowledged.
<p>We've been reviewing the 1.21 MIPO v.1.1 and the Final Tech Specs and we have several questions:</p> <p>1.- Regarding to PostEnergyCommitmentAcknowledgeSet, what will be the response if there's nothing to be acknowledged? This is, if a PostEnergyCommitmentAcknowledgeSet operation is sent when there's no operating plans pending acknowledgement prior to PlanUpdateTime.</p> <p>2.- Regarding to 02-1506, is this related to the GetEnergyAuditDataSetByDay operation?</p> <p>3.- Regarding to the GetEnergyAuditDataSetByDay operation, what is the difference between OperatingTime, EffectiveTime and TerminationTime? Or what do each of these elements indicate?</p> <p>4.- Regarding to 02-3513, the MIPO states that code changes would be required. What is the change? We don't see any changes on the WSDL files for PostReserveCRDeploymentSet.</p>	RMS 32558	<p>1. The acknowledgement will successfully submit even if there are no new commitments to be acknowledge. It will not make any updates behind the scene to any of the data.</p> <p>2. Yes. 02-1506 will be available via the Markets UI and the new GetEnergyAuditDataSetByDay operation.</p> <p>3. OperatingTime will reflect the actual cleared or dispatched operating hour.</p> <p>EffectiveTime will reflect the date and time when the offer associated with the operatingtime was submitted.</p> <p>TerminationTime will reflect the date and time when the offer associated with the operatingtime</p>

Question	Origination	Answer
<p>5.- Regarding to 02-4765, which SPP API operation/s will be impacted with this warning message? How will SPP communicate this warning message?</p> <p>6.- Regarding to the modifications on the PostEnergyCommitmentSet operation, why Acknowledged is a Not required (optional) element of the PostEnergyCommitmentSet operation? When does it get sent and when it doesn't? What PlanUpdateTime indicates? Why can it be Not required while it is required on GetEnergyCommitmentSet? How does the Operating Plan fit into Commitment to update it?</p> <p>7.- Regarding to the mention of updated valid values for Action element for GenEnergyCommitmentHistorySet and GetEnergyCommitmentHistorySetByDay, what valid values are updated? We'd like to confirm that this is only a documentation change on the specifications.</p>		<p>will terminate.</p> <p>4. The changes that are being referenced is for those MP's whose systems are not currently set up to handle the notification will have to make updates to their systems to account for now receiving the notification.</p> <p>5. This warning message will be reflected in the response to any operations used to make updates to offer parameters of resources that have already been committed for the date specified in the submission. The warning message will be handled similar to how overrides are handled today.</p> <p>6.It appears that the Acknowledged and PlanUpdateTime are both defined as optional fields for both the PostEnergyCommitmentSet and GetEnergyCommitmentSet. I will update the Energy specifications document to reflect those fields as not required. Acknowledge will always be populated with a true or false in the new version of the PostEnergyCommitmentSet. The PlanUpdateTime that is included as part of the PostEnergyCommitmentSet notification indicates the time when the operating plan was updated. PlanUpdateTime can currently be null for reasources that are OFF since there may not be any data in the operatingplan for the resource.</p> <p>7. Yes this is only a documentation update that was not previously captured.</p>
<p>need some additional information regarding 02-4765.</p> <p>How is this warning message going to be appended to the SPP response?</p> <p>For example, for PostEnergyOfferSet, the possible TransactionState response is "COMMITTED", "REJECTED", "FAILED". I understand it will be Committed if it's received before 11, but is the Warning going to be a part of</p>	<p>RMS 32558</p>	<p>Examples from both the API and MUI regarding 02-4765 are attached.</p> <p>Keep in mind that these are examples are from an early test environment and may change.</p>

Question	Origination	Answer
<p>the response message in the XML? As an additional response? How is it currently being handled by overrides? Can we get an example?</p>		
<p>The GetReserveDispatchSetByDay, GetReserveDispatchSetByInterval, PostReserveDispatch and GetReserveClearedOfferSetByDay operations are now going to include the ReserveZoneName parameter. Is this going to be received per ProductType, per Hour?</p>	RMS 32921	<p>You are correct. The ReserveZoneName will be included per ProductType/per Hour. Please see the attachment for an example of the reserve notification.</p>
<p>On PostEnergyCommitmentAcknowledgeSet, can we send several PlanUpdateTimes for the same ResourceName and different instructions? Are we supposed to send one acknowledgement for each instruction or just the latest one? A few more questions related to the same operation:</p> <ol style="list-style-type: none"> 1. Can any grouping of instructions be acknowledged for the same location? For example: Location A has 3 instructions, one at 1 am, another one at 2 am and a 3rd one at 3 am. What happens if we acknowledge 1 am and 3 am? We understand 2 am will also be acknowledged. Is that correct? 2. On the same example, what happens if we acknowledge only 2 am? We understand that if we query Energy commitments, we will get acknowledgement for 1 am and 2 am but not for 3 am. Is that correct? 3. Will there be any lag between a user acknowledging an instruction and that information being available through Downloading Energy commitments? <p>I'd like to confirm what I understood out of it, and then we have an additional question regarding the PlanUpdateTime. Per the phone call, we can submit any PlanUpdateTime, even the current time, and it will acknowledge all the notifications for that specific Resource which PlanUpdateTime is equal or earlier to the submitted time. This is, if current time is 2:00 PM, it will acknowledge all pending notifications for this resource that have a PlanUpdateTime of 2:00 PM or earlier. Is that correct? Now, what would happen if we send a future time as the PlanUpdateTime? Let's say we send 3:00 PM. Is that going to acknowledge all the currently pending notifications? We guess it won't automatically acknowledge future notifications being sent between 2:00 and 3:00 PM but can you confirm that?</p> <p>Also, as an addition to my previous question, can you confirm that for a specific location and hour, all the</p>	RMS 32922	<p>The planupdatetime provided in the acknowledgement will reflect a point in time in which the market system will us to acknowledge any previously sent instructions and have not yet been acknowledged. This planupdatetime does not represent the time received via the notification.</p> <p>Once an acknowledgment has been received the information should be available to query within seconds of the acknowledgement being sent.</p> <p>That is correct. The current time can be submitted as the planupdatetime for the acknowledgement and any commitments associated with that resource from that point in time and in the past that has not yet been acknowledged will be. A commitment can not be acknowledged until it is received, therefore future commitments can not be taken care of in advance.</p> <p>The Reserve Zone reflected for each product type for a given hour for a specific settlement location should be the same.</p>

Question	Origination	Answer
product types for that same location will be on the same Reserve Zone?		
<p>Can SPP please confirm that we have the correct understanding for this change. If yes, then we have two additional questions.</p> <p>1. Currently all JOU's submitting a JOUShareResourceOfferSet need to submit 8 limits : Min/Max Econ Limit, Min/Max Normal Limit, Min/Max Emer Limit, Min/Max Reg Limit (if unit is qualified for regulation)</p> <p>2. Post RR127 and RR205, JOU's submitting a JOUPhysicalResourceOfferSet need to submit additional limits: Physical Min Operating Limit and Physical Min Regulation Limit. So, that means that physical resources submitted by the designated AO will need to submit a total of 10 limits? The 8 listed in #1 will need to be submitted under the JOUShareResourceOfferSet and the two new limits listed in #2 will need to be submitted under the JOUPhysicalResourceOfferSet for the same resource.</p> <p>Do I have the correct understanding so far?</p> <p>If yes, then:</p> <p>A. Can the Min Normal Limit be different from Physical Min Operating Limit? B. Can the Min Regulation Limit can be different from Physical Min Regulation Limit?</p> <p>In other words, do the new Physical Min Operating and Regulation Limits have any dependency with any of the 8 limits submitted as part of the JOUShareResourceOfferSet for the same physical resource</p>	RMS 33120	<p>Post implementation of RR127, anytime you are using the JOUShareResourceOffer operation to submit data you will be required to submit the min eco, normal, emer and reg limits as zero. An error will be returned if any value other than zero is submitted for the minimum limits. There will be two additional elements added to the JOUPhysicalResourceOffer operation that will be submitted by the designated JOU only.</p>
<p>In energy_v9_0, overrideResourceNameType is defined as follows:</p> <pre data-bbox="168 1528 799 1703"><simpleType name="OverrideResourceNameType"> <restriction base="string"> <minLength value="1" /> <maxLength value="102" /> </restriction> </simpleType></pre> <p>Is there is reason why it is defined with maxlength of 102 when ResourceNameType is defined with maxlength of 50?</p>	RMS 33365	<p>This update was made to account for overrides that could be applied to an Enhanced Combined Cycle Transition. In the event an override is applied to a transition, the resource reflects a concatenation of the to and from resources which results in a name longer than your standard length of 50 for a typical resource name.</p>
We had a few questions regarding the Acknowledgement of PostEnergyCommitmentSet:	RMS 33390	1. The acknowledgement

Question	Origination	Answer
<p>1. Post MR1.21, using the MUI, how will MP's be required to acknowledge commitments that are sent via the PostEnergyCommitmentSet? Will this be using a new screen in the MUI? If yes, will users select specific instructions (Start or Stop) and click Acknowledge? Or will users select specific resources and acknowledge all commitments as of a time?</p> <p>It will be great if you can attach a sample or mocked up screenshot to indicate how SPP is planning to implement this acknowledge functionality in the portal.</p> <p>2. Will MP's be required to ack On or Off instructions? If not, then is it correct to say that MP's will be required to ack Start, Stop, TranIN and TranOut instructions?</p> <p>3. The EnergyNotifyService specifications_v9.0 document indicates that for the PostEnergyCommitmentSet operation, the PlanUpdateTime is optional, but the EnergyService_specifications_v9.0 document indicates that for the GetEnergyCommitmentSetByDay operation, the PlanUpdateTime is required.</p> <p>Is that correct? If yes, lets consider this case: A resource only received On or Off instructions for an OD. If we use the GetEnergyCommitmentSetByDay operation, should we still expect to see a Plan Update Time associated for those On/Off commitments? If yes, then why is this field optional when we receive commitments using the PostEnergyCommitmentSet operation?</p>		<p>functionality has been added to the existing Commitments page, as well as an additional API has been created that can be used. When using the Markets UI to make an acknowledgement the asset owner will have the ability to acknowledge all commitments at a resource level or for all resources owned by the asset owner. I am working to get the Markets User Interface Guide updated and published which will provide a screenshot on what the page looks like along with instructions.</p> <p>2. MP's will not be required to acknowledge commitments containing only an ON or OFF instruction, however it will be available for acknowledgements. Only those instructions that include START/STOP instructions will be required.</p> <p>3. There is an update coming to the specification document that will reflect the PlanUpdateTime for the GetEnergyCommitmentSetByDay to be optional.</p>
<p>On your "SPP: Informational: Markets Release 1.21 Documentation Published" email from 05/12, you mention an updated guide is available which updates Query Demand Curve section to include four product types. We're not being able to find these product types on the Query Demand Curve section of the Integrated Marketplace Markets User Interface Guide v13.0 Would you mind pointing us out to these four product types?</p>	RMS 33555	<p>The update that was made to reflect four demand types in the Marketplace Markets User Interface Guide is reflected in the Query Demand Curve section on number 6. The screenshot in the document does not include the navigation bar on the left side of the MUI which will display the four energy demand curves to choose from (Energy, Operating Reserve, Regulation Down and Regulation Up).</p>
<p>Are there going to be changes to the energy service XMLs that MPs will need to make in order to receive the notification history? Such that when MPs import the XMLs we can have an audit trail of the API notifications?</p>	RMS 33682	<p>The energy notification service is incrementing to version v9. The commitment notification that is received today will continue to be sent in the same format. The new energy service operation can be</p>

Question	Origination	Answer
		<p>used to acknowledge commitments or they may be acknowledged manual via the Markets UI Commitments page. In order to verify that a commitment instruction has been acknowledged, the GetEnergyCommitmentSet or GetEnergyCommitmentSetByDay web service operations can be used and will have the acknowledged element set to true. Or the status can be viewed manually using the Markets UI commitments display.</p>
<p>I understand that you might not have fully completed deploying MR 1.21 into MTE, but I wanted to report the below issue we are seeing in MTE.</p> <ol style="list-style-type: none"> 1. I've subscribed to the new service versions 2. I put the termination date for the EnergyNotifyServiceV8 service as 2017/05/18 (as shown in the screenshot). 3. However, the Transaction Log says that SPP is sending both the old and new services (v8 and v9) at the exact time. So, looks like v8 EnergyNotify service is not respecting the termination time. <p>This is causing issues on our side and our notification processor fails to process the new version of the EnergyNotify service.</p>	<p>RMS 33695</p>	<p>You have two listeners that are currently set up in MTE for energy V8. One of the listeners is terminated and one is still active. This would explain why both versions are being sent. Once the other listeners are terminated for the Asset Owners listed, V9 notification should be the only one that is being sent.</p>
<p>Can someone share the mechanics of how the UI tests will be conducted between 6/8 & 6/12? i.e. we will not have someone constantly refreshing the MTE Commitments page to look for something actionable, so will SPP send an email notifying MP's that commitments have been posted for acknowledgement?</p>	<p>RMS 33837</p>	<p>If you were able to successfully acknowledge a commitment through the Markets UI and verify that the acknowledgement now reflects it as true, then I would mark that test case complete.</p> <p>As far as the API testing is concerned, if the system is not providing you the data needed to complete your testing, please submit an RMS ticket requesting the needed data and we will set something up.</p>
<p>In the MTE environment we do not see a notifications tab for the user nmarket Job. My LSA has verified that this user has all of the permissions that are available.</p>	<p>RMS 33871</p>	<p>based on his screen size it was appearing as if he did not have access to the notifications tab. I had him zoom out and he was able to see the notifications tab when zoom was at 90%. We have made the portal design team aware of the situation and they are going to</p>

Question	Origination	Answer
		<p>make some adjustments on the margin size to help mitigate this going forward. However, depending on the screen size that is being used to view the Markets UI, the potential is still there for it to appear that a tab is missing. We will work with the vendor of the Markets UI to see if there is something that can be added when this occurs such as a scroll bar.</p>
<p>When will version 7 release on production?</p> <p>When will the version 7 be ready on MTE?</p> <p>Do we need to apply another digit certification to access MTE? If yes, would you please send us the digit certification to access MTE?</p>	<p>Email 5-30-17</p>	<p>Version 7 of the Markets web service will be activated on July 20, 2017 when MOS 1.21 is installed in PRD.</p> <p>Version 7 of the Market web service was activated in MTE on May 19, 2017 when we installed MOS 1.21 into MTE. This was prior the start of participant testing for MOS 1.21.</p> <p>No additional certificate is required to MTE. However, if you are having trouble accessing MTE Markets UI/API, please open an RMS ticket with the link I provided above with your certificate information and we can help you troubleshoot that.</p>
<p>We have trouble accessing MTE Markets API with below URL through IE, https://api-mte.itespp.org/markets/MarketService/v7?wsdl</p> <p>The error in IE is "JBWEB000065: HTTP Status 403 - <u>Access to the specified resource has been forbidden.</u>"</p> <p>We may use this certification to access Version 6 of Production on the same server. https://api.spp.org/markets/MarketService/v6?wsdl</p>	<p>RMS 33898</p>	<p>We are not seeing that certificate serial number registered in the mte portal. You will need to contact your LSA and have them mimic your roles you have set up in the production environment to mte and associate them with this certificate. Once that is complete please let me know if you are still having problems accessing the Markets web service.</p>
<p>I dialed into the Market Release 1.21 Teleconference last week (Tuesday, May 23rd). The slide deck that was presented stated that for JOU Combined Resources "Therefore, all shares under the Combined JOU Option will start at zero for the first price point. The market will aggregate all of the price points into one new Energy Offer Curve for the purposes of dispatch and commitment".</p>	<p>RMS 33986</p>	<p>Section 4.2.2.1 Resource Offer Parameters has an offer curve example (Exhibit 4-5) that should help. The first point on your curve is technically assumed to be 0 by the clearing engine. So in this example, all of the mw's below 72 would also be priced at</p>

Question	Origination	Answer
<p>I am struggling to understand this sentence. Let's assume that I currently have an incremental offer on a JOU Combined Resource and I am the majority owner. My incremental Offer Curve is 72 MWs @ \$16.12 and 153 MWs @ \$19.97. Based on my understanding of this sentence, in the MTE Portal, I tried to submit an incremental Offer of 0 MWs @ \$16.12/MW, but it stated that MW must be greater than 0. I am very confused on how we should submit our incremental offer under the Combined JOU Option after Market Release 1.21. Can someone please help me better understand this item.</p>		<p>\$16.12/mw, effectively allowing a 0 mw offer. Let me know if this and the chart make sense.</p>
<p>I was working on some testing for the upcoming release, and I have a question. On 5/29/17, I was doing test numbers 1-8 for xxx. In tests 1 and 2, the values for all of the tested parameters were 0 and read only. Since we are the minority share of xxx, does the majority share owner change those values? For tests 3-8, the offer curve option for Slope or Block was read-only. Should this be read-only for minority share owners?</p>	<p>RMS 33988</p>	<p>In preparation of RR127 becoming effective, SPP evaluated which resources had their min values set to zero. With the expectation that these had to be complete by 5/29, SPP did a manually update Friday afternoon, 5/26, to set those values to zero and made the fields read only. For test cases 1 and 2 if you can verify that your min values are zero then you can mark the test complete. In production, each share will be responsible for updating their minimum values to zero.</p> <p>Test cases 3-8 are for designated owners only. The verification for share asset owners will be done with test cases 9-11. The price curves should still be able to be submitted, but the use slope option will be read-only for the share asset owner. For the test cases that are specific for designated owners, please put an N/A in the test status field.</p>
<p>While testing Market Release 1.21 on the MTE portal, we discovered that the GetEnergyMCRTransitionOfferSetByDay SOAP method is no longer recognized. (It works in MR 1.20 and is listed as still available in the Market Release 1.21 (v30) XML api documents.</p>	<p>RMS 34019</p>	<p>the error was being caused by a soapAction update that was included as part of 1.21.</p>
<p>Regarding 02-4765, what would be a valid test to receive the WARNING message through API? Unless mistaken, we haven't seen a Test Case scenario for this change on the Markets 1.21 MP Test Cases.</p>	<p>RMS 34044</p>	<p>That test case was one that SPP decided to verify internally rather than have each individual member test it. If you would like to test this on your system, please submit an RMS ticket requesting that a manual commitment be placed on</p>

Question	Origination	Answer
		one of your resources. Once the manual commitment has been done, submit an update to any of your DAMKT offer parameters for the operating day/resource that the manual commitment was done for and verify that a warning message is received in the response to the submission.

More Information

At any time, Members can ask questions or get more information by completing an RMS ticket using "Project Inquiries" and Subtype 1: "Markets Release 1.21".

* Request Type:

* Subtype 1:

RMS link: <https://spprms.issuetrak.com/login.asp>.

If a new user ID is needed for RMS, click on that link and follow the directions for "Register Now".