



BPM Change Management Meeting

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March 26, 2019

Agenda – BPM Change Management Meeting

March 26, 2019

Topic	Presenter
Introduction / Meeting Overview	Julia Payton
Discussion of active BPM proposed changes: Congestive Revenue Rights Outage Management Reliability Requirements Market Instruments Market Operations Energy Imbalance Market Settlements and Billing	Jim McClain Kyle Woody/ Kalyani Abhyankar Kyle Woody Jamal Batakji Jamal Batakji Jamal Batakji Bonnie Peacock
Wrap-Up and Next Steps	Julia Payton

California ISO Stakeholder Initiative Process



- **Business Practice Manuals**
 - The purpose of BPMs is to set forth business practices that implement the ISO tariff.
 - The ISO conducts a yearly policy initiative roadmap process to consider and rank initiatives.
 - *Policy changes submitted through the PRR process will be referred to the policy initiative road map process.*
 - Each subject area in a BPM is based on enabling language in the ISO tariff.
 - *The PRR process cannot be used to introduce changes that are not supported by existing tariff authority.*
 - Following the issuance of a final decision on a BPM PRR, the submitter or any affected Market Participant may submit an appeal to the CAISO for reconsideration of the final decision. *Note: The appeal must be within the scope of the PRR Final Decision.*

Congestive Revenue Rights BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1134	Emergency PRR: Generator Contingency and Remedial Action Scheme Modeling Implementation Plan
1138	Congestion revenue rights 24 hour outage clarification

PRR 1134 – Generator Contingency and Remedial Action Scheme Modeling Implementation Plan

- **Reason for revision**
 - With the implementation of the GCARM methodology in the forward markets the CRR system will implement a similar process for handling contingency analysis when running the CRR SFT.
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

PRR 1138 – Congestion revenue rights 24 hour outage clarification

- **Reason for revision**
 - Clarification of how 24 hour rule is applied.
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

Reliability Requirements BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1140	Emergency PRR: Commitment cost enhancement phase 3 BPM changes

PRR 1140 – Commitment cost enhancement phase 3 BPM changes

- **Reason for revision**

- The Commitment Cost Enhancements Phase 3 initiative changes the definition of Use-Limited Resources and allows Use-Limited Resources to include opportunity costs in their commitment costs or default energy bids, where applicable.

- **Initial comments**

- SCE 3/5/19
- PG&E 3/5/19

- **Initial comment period expired**

- March 5, 2019

- **Next step**

- Post recommendation

Reliability Requirements BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1121	Removal of inappropriate reporting of forced outages note

PRR 1121 – Removal of inappropriate reporting of forced outages note

- **Reason for revision**
 - Note clarified and moved to outage management BPM.
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

Outage Management BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1122	Inappropriate Reporting of Forced Outages
1137	Update to language for outages under the 24 hour rule

PRR 1122 – Inappropriate Reporting of Forced Outages

- **Reason for revision**

- Adding clarity to what is inappropriate behavior for reporting forced outages. This note was removed from the reliability requirements BPM, updated, and added to the Outage Management BPM.

- **Recommendation comments**

- NCPA 3/14/19
- PG&E 3/19/19

- **Recommendation comment period expired**

- March 19, 2019

- **Next step**

- Post final decision

PRR 1137 – Update to language for outages under the 24 hour rule

- **Reason for revision**
 - To update the language covering outages under the 24hour rule.
- **Recommendation comments**
 - No comments posted.
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

Outage Management BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1139	Emergency PRR: Updates to nature of work attributes for generation outages & outage reporting section

PRR 1139 – Updates to nature of work attributes for generation outages & outage reporting section

- **Reason for revision**
 - Updates to nature of work attributes for generation outages & Outage reporting section.
- **Initial comments**
 - SCE 3/6/19
 - PG&E 3/5/19
- **Initial comment period expired**
 - March 5, 2019
- **Next step**
 - Post recommendation

Market Instruments BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1129	Attachment B section B.2.2 clarification
1135	Commitment cost enhancement phase 3 BPM changes

PRR 1129 – Attachment B section B.2.2 clarification

- **Reason for revision**
 - Added comment in section B.2.2 table to clarify the participating generator agreement flag for the Generator Resource Data Template (GRDT).
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

PRR 1135 – Commitment cost enhancement phase 3 BPM changes

- **Reason for revision**

- The Commitment Cost Enhancements Phase 3 initiative changes the definition of use-limited resources and allows use-limited resources to include opportunity costs in their commitment costs or default energy bids, where applicable. Target date: April 1, 2019

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- March 19, 2019

- **Next step**

- Post final decision

Market Instruments BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1141	Emergency PRR: Energy imbalance market resource sufficiency test enhancements
1143	Attachment J update
1145	Emergency PRR: Congestion revenue rights 1B enhancement

PRR 1141 – Energy imbalance market resource sufficiency test enhancements

- **Reason for revision**
 - This is related to the stakeholder feedback for improvements for business needs related to the EIM resource sufficiency evaluation. Effective date is 4/16/19.
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - March 5, 2019
- **Next step**
 - Post recommendation

PRR 1143 – Attachment J update

- **Reason for revision**
 - Updating the content of attachment J in the Market Instruments BPM by simply referencing the Reliability Requirements BPM for the market rules content. This will be effective as soon as possible.
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - March 5, 2019
- **Next step**
 - Post recommendation

PRR 1145 – Congestion revenue rights 1B enhancement

- **Reason for revision**

- Adding a definition for CRR Revenue Adjustments Details report to provide market participants with more granular details related to CRR revenue adjustments. The ISO intends to make this report available ASAP.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- March 11, 2019

- **Next step**

- Post recommendation

Market Operations BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1128	Emergency PRR: FERC Order 844 reports
1136	Commitment cost enhancement phase 3 BPM changes

PRR 1128 – FERC Order 844 reports

- **Reason for revision**
 - To add a new table in section K.1 for reason code mapping in Market Operations Appendices BPM. Targeted for Feb 15, 2019
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

PRR 1136 – Commitment cost enhancement phase 3 BPM changes

- **Reason for revision**
 - The Commitment Cost Enhancements Phase 3 initiative changes the definition of use-limited resources and allows use-limited resources to include opportunity costs in their commitment costs or default energy bids, where applicable. Target date: April 1, 2019
- **Recommendation comments**
 - No comments submitted
- **Initial comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision

Market Operations BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1146	Emergency PRR: Locational marginal prices clarification
1147	Emergency PRR: Conditionally available resource

PRR 1146 – Locational marginal prices clarification

- **Reason for revision**

- On December 17, 2018, the ISO filed a tariff clarification to amend how it calculates Custom Load Aggregation Points (Custom CLAPs) using the same methodology currently used to calculate the default load aggregation points (Default LAPs). On February 25, 2019, FERC accepted the ISO's tariff amendment request. This BPM change reflects the tariff change. It also provides clarification that all EIM Load Aggregation Point (ELAP), Sub Default Load Aggregation Point (SLAP) and Aggregate Scheduling Tie Points will also be using the same methodology currently used for the default load aggregation points (Default LAPs) as specified in tariff section 27.2.2. This change will be effective on March 1, 2019.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- March 15, 2019

- **Next step**

- Post recommendation

PRR 1147 – Conditionally available resource

- **Reason for revision**
 - Due to Commitment Cost Enhancement phase 3 filing, there is an addition of a new resource type called Conditionally Available Resources (CAR). This PRR is to describe the new resource type functionality and rules. Effective Date: 4/1/2019.
- **Initial comments**
 - PG&E 3/8/19; ISO Response 3/12/19
 - Six Cities 3/19/19
- **Initial comment period expired**
 - March 19, 2019
- **Next step**
 - Post recommendation

Energy Imbalance Market BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1127	Resource Sufficiency Enhancement 1% tolerance band

PRR 1127 – Resource Sufficiency Enhancement 1% tolerance band

- **Reason for revision**
 - This is to improve the EIM resource sufficiency evaluation by applying a tolerance band threshold to the Flexible Ramping Sufficiency Tests for each EIM BA. Targeted for February 15, 2019
- **Recommendation comments**
 - No comments submitted
- **Recommendation comment period expired**
 - March 19, 2019
- **Next step**
 - Post final decision.

Energy Imbalance Market BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1142	Emergency PRR: Energy imbalance market resource sufficiency test enhancements

PRR 1142 – Energy imbalance market resource sufficiency test enhancements

- **Reason for revision**
 - This is related to the stakeholder feedback for improvements for business needs related to the EIM resource sufficiency evaluation. Effective date is 4/16/19.
- **Initial comments**
 - Bonneville Power Administration 3/5/19
 - ISO Response 3/8/19
- **Initial comment period expired**
 - March 5, 2019
- **Next step**
 - Post recommendation

Settlements and Billing BPM

Recommendation Phase PRRs for Discussion

PRR	PRR Title
1130	Update the pre-calculation spin non-spin no pay quantity configuration to properly address fast start units
1131	Documentation only change for BPM charge code 6706 to show variable name associated in actual configuration
1132	Updates to BPM Configuration guides for the settlement and allocation of Capacity Procurement Mechanism (CPM) to address the automation of annual CPM

PRR 1130 – Update the pre-calculation spin non-spin no pay quantity configuration to properly address fast start units

- **Reason for revision**

- Spin and Non-Spin No Pay Quantity Pre-calculation 5.20: Research was being conducted for SDS# 206801 for a fast start unit. The concern was the unit was being rescinded (no-pay) the full amount of what has been awarded instead of the difference between the dispatch and which was undelivered. Although this dispute was denied and deemed to be per design and aligned with tariff, the equations derived for fast start units were being assumed that the unit was always offline prior to AS dispatch. The proposed solution is, in the equations where fast start units are being determined, also add a check to qualify whether the unit is online from the FMM.
- The planned production deployment date is 4/24/2019 with an effective date of 5/1/2019 (*which had been changed from 4/1/2019, as of 2/12/19*).

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- March 19, 2019

- **Next step**

- Post final decision

PRR 1131 – Documentation only change for BPM charge code 6706 to show variable name associated in actual configuration

- **Reason for revision:**

- The published Configuration Output file for the Dec 2018 Release in production last Dec 27, 2018 contained an association where Bill determinant name PTB_BA_MTH_CRRBA_MONTH_END_CHG_ADJ_AMT is associated with the variable name PTBChargeAdjustmentMonthEndCRRBAAmt. This variable name exists in the BPM CC 6706 under the section for Inputs – External Systems, however formula 3.6.2 used something else. The proposed solution is to simply correct the typo error in the variable name used in the formula section of the BPM. Using the above variable aligns the association as provided in the Configuration Output file.
- This is a documentation only change as there is no change to the Configuration Output file, or the actual configuration. This change maintains the effectivity of CC 6706 starting with trade date 1/1/2019.

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- March 19, 2019

- **Next step**

- Post final decision

PRR 1132 – Updates to BPM Configuration guides for the settlement and allocation of Capacity Procurement Mechanism (CPM) to address the automation of annual CPM

- **Reason for revision**

- The introduction of four new CPM Type designation codes are required to allow for the differentiation of the insufficiencies associated with the annual Resource Adequacy Plan from those of the monthly Resource Adequacy Plan. Automating the annual CPM calculations eliminates the need for the manual allocation work via a PTB, saving processing time.
- The planned production deployment date is 4/24/2019 with a 5/1/2019 effective date (*which had been changed from 1/1/2020, as of 2/12/19*).

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- March 19, 2019

- **Next step**

- Post final decision

Settlements and Billing BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1144	Emergency PRR: Update the pre-calculation metered subsystem deviation penalty quantity configuration to properly address negative SUPP quantities for cases where day ahead award is zero for metered subsystem load following resources
1148	Updated BPM configuration guide for pre-calculation system resource deemed delivered energy quantity 5.3 to ensure ISO dynamic system resources LMC quantity is not derived at twice the value it should be

PRR 1144 – Update the pre-calculation metered subsystem deviation penalty quantity configuration to properly address negative SUPP quantities for cases where day ahead award is zero for Metered Subsystem Load Following resources

- **Reason for revision**

- A fix was put in place in June 2018 to accommodate NCPA MSS LF resources that were coming from zero DA position who then are dispatched by the ISO in RTM. In this equation we simply consider the ADS SUPP quantity to be the total IIE. Since the MSS Resources are coming from a 0 DA Position it was assumed that the SUPP Quantity will always be a positive value.
- Since the above fix, it has been found out that Negative SUPP quantity is being passed on from the Market to the Settlements system. To account for this, the proposed solution is to add a Max function to this formula to suppress negative values from the SUPP quantity, these negative values are due to the State Estimator Solution.
- The planned production deployment date is 3/26/2019 with a 10/1/2014 effective date.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- March 5, 2019

- **Next step**

- Post recommendation

PRR 1148 – Updated BPM configuration guide for pre-calculation system resource deemed delivered energy quantity 5.3 to ensure ISO dynamic system resources LMC quantity is not derived at twice the value it should be

- **Reason for revision**

- Formula updates are required to the formula stream unique to EIM resources and CAISO non-dynamic system resources in order to address the fact that CAISO dynamic system resources are incorrectly showing up in that same stream.
- To correct the issue, the single derived flag which filters for both EIM resources AND CAISO non-dynamic system resources will be replaced by two flags, one flag filters for EIM resources and another flag filters for CAISO non-dynamic system resources.
- Added BPM for Settlements & Billing v22 to the PRR on 3/11/19, to update descriptions for two primary bill determinants to reflect the new mapping requirements.
- The planned production deployment date is 3/26/2019 with a 5/1/2019 effective date.

- **Initial comments**

- No comments submitted

- **Initial comment period expired:**

- March 19, 2019

- **Next step:**

- Post recommendation










Business Practice Manual Web Page Enhancements

BPM Web Page: <http://www.caiso.com/rules/Pages/BusinessPracticeManuals/Default.aspx>

Please [click here](#) to view the **BPM Library**

Please [click here](#) to access the **BPM Change Management application**

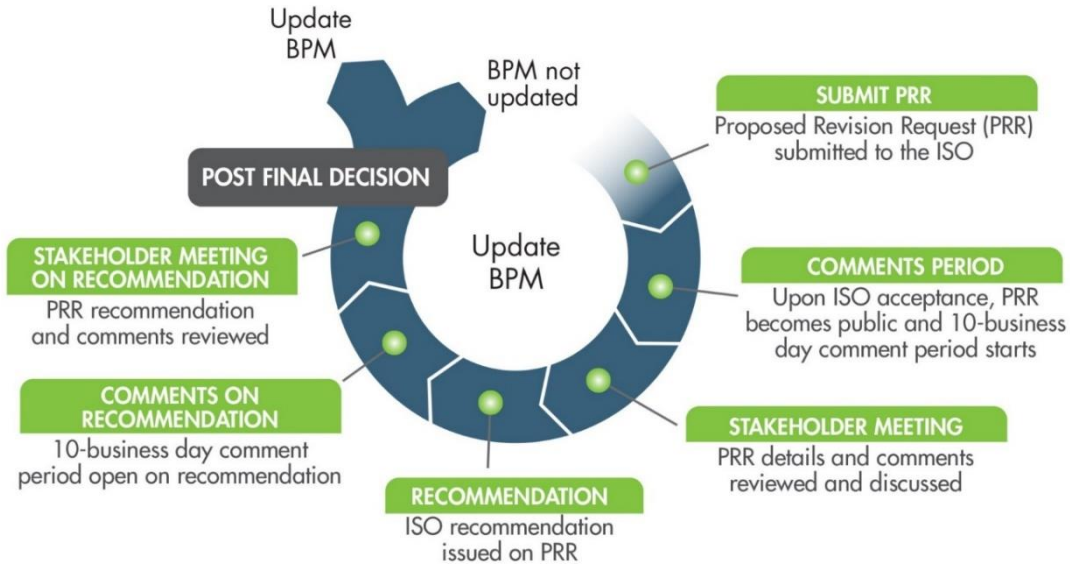
The **BPM Change Management application** contains a built-in user guide. For help on a page, click the  icon.

- ⊖ **Business practice manuals change management meetings** 
Monthly meeting to discuss proposed revision requests on Business Practice Manuals (BPMs) that are in the initial and recommendation stages of the BPM change management stakeholder process.
 - ⊕ **Stakeholder meetings - 2019** 
- ⊖ **Appeal committee meetings** 
Stakeholders have the right to appeal the final decision of a proposed revision request (PRR). Upon appeal, an ISO executive appeals committee conducts a public session to hear stakeholder positions and has 21 days to post a decision.
 - ⊕ **Appeal process and template** 
 - ⊕ **Committee meetings - 2016** 
- ⊖ **Business practice manuals posted to the library** 
 [Business Practice Manuals Posted to Library](#) 2/04/2019 15:41
- ⊖ **Business practice manual proposed revision request submittal 2019 calendar** 
This 2019 calendar reflects the Proposed Revision Request submittal timeline
 [Business Practice Manual Proposed Revision Request Submittal 2019 Calendar](#) 2/21/2019 16:22

**NEW
this
year**

Please submit questions / comments to BPM_CM@caiso.com

Next BPM Monthly Meeting: Tues., April 23, 2019 @ 11 a.m.



Please refer to the BPM change Management Business Practice Manual:

<https://bpmcm.caiso.com/Pages/BPMLibrary.aspx>

BPM change management
Process Questions:

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