



# BPM Change Management Meeting

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April 23, 2019

# Agenda – BPM Change Management Meeting

## April 23, 2019

Topic	Presenter
<b>Introduction / Meeting Overview</b>	Julia Payton
<p><b>Discussion of active BPM proposed changes:</b></p> <p>Generator Interconnection and Deliverability            Allocation Procedures            Direct Telemetry            Transmission Planning Process            Outage Management            Reliability Requirements            Settlements and Billing            Energy Imbalance Market            Market Operations            Market Instruments</p>	<p>Phelim Tavares            Priyanka Namburi            Jeffrey Billinton            Kalyani Abhyankar            Kyle Woody            Bonnie Peacock/Jennifer Kwong            Jamal Batakji            Jamal Batakji            Jamal Batakji</p>
<b>Wrap-Up and Next Steps</b>	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.*

# Generator Interconnection and Deliverability Allocation Procedures BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1152	Evaluation of generator reactive capability

## PRR 1152 – Evaluation of generator reactive capability

- **Reason for revision**

- Adding Evaluation of Generator Capability white paper summary and link to CAISO website.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- April 18, 2019

- **Next step**

- Post recommendation

# Direct Telemetry BPM

## Initial Phase PRRs for Discussion

PRR	PRR Title
1151	Temporary telemetry exemptions

## PRR 1151 – Temporary telemetry exemptions

- **Reason for revision**
  - Provision of Temporary Telemetry exemptions.
- **Initial comments**
  - No comments posted
- **Initial comment period expired**
  - April 16, 2019
- **Next step**
  - Post recommendation

# Transmission Planning Process BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1150	Updates to Section 10 of Transmission Planning Process BPM



# PRR 1150 – Updates to Section 10 of Transmission Planning Process BPM

- **Reason for revision**

- The following changes are proposed:

- throughout Section 10 to include Scheduling Coordinator in communications and to increase cure period to 60 calendar days
    - in Section 10.4.6 of the BPM to reflect updated request and submission process for new generators
    - miscellaneous cleanup edits made throughout document for clarity

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- April 16, 2019

- **Next step**

- Post recommendation

# Outage Management BPM Recommendation 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.
- **Recommendation comments**
  - PG&E, Six Cities, and SCE 4/16
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

# Reliability Requirements BPM Recommendation 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.

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- April 16, 2019

- **Next step**

- Post final decision

# Settlements and Billing BPM

## Initial Phase PRRs for Discussion

PRR	PRR Title
1153	Emergency PRR: Update the pre-calculation metered subsystem deviation penalty quantity configuration to properly calculate the metered subsystem expected instructed imbalance energy as per the metered subsystem agreement definition

PRR 1153 – Update the pre-calculation metered subsystem deviation penalty quantity configuration to properly calculate the metered subsystem expected instructed imbalance energy as per the metered subsystem agreement definition

- **Reason for revision**

- The SUPP quantity that is used as the business driver to derive this quantity is not representing the values that settlements is expecting and is not in line with the definition in the MSS Agreement. Min Expost Capacity and Max Expost Capacity were not updated in real time when the MSS LF resource is de-rated
- Holistic solution to reconfigure the calculation for the MSS Expected IIE. IIE inputs from MQS Expected Energy will eliminate the need to use all the inputs previously used that were presenting issues to the calculation.
- Removing the MAX function to accommodate negative IIE.
- The planned production deployment date is 5/8/2019, and the effective date is 1/1/2018.

- **Initial comments**

- NCPA 4/18/19
- ISO Response 4/22/19

- **Initial comment period expired**

- April 18, 2019

- **Next step**

- Post recommendation

# Settlements and Billing BPM Recommendation 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 production deployment date was 3/27/2019 with a 10/1/2014 effective date.

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- April 16, 2019

- **Next step**

- Post final decision

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.
- The production deployment date was 3/27/2019 with a 5/1/2019 effective date.

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired:**

- April 16, 2019

- **Next step:**

- Post final decision

# Energy Imbalance Market BPM Recommendation 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.
- **Recommendation comments**
  - No comments posted
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

# Market Operations BPM

## Recommendation 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.

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- April 16, 2019

- **Next step**

- Post final decision

## 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.
- **Recommendation comments**
  - Six Cities 4/16/19
  - ISO Response 4/22/19
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

# Market Instruments BPM

## Initial Phase PRRs for Discussion

PRR	PRR Title
1149	Emergency PRR: Commitment cost enhancement phase 3 attachment B



## PRR 1149 – Commitment cost enhancement phase 3 attachment B

- **Reason for revision**

- Attachment B updates due to Commitment Cost Enhancement Phase 3 project.  
Effective date: April 1, 2019

- **Initial comments**

- Comment from Pacific Gas and Electric Company 4/1/19
- ISO Response 4/2/19

- **Initial comment period expired**

- March 29, 2019

- **Next step**

- Post recommendation

# Market Instruments BPM

## Recommendation 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.
- **Recommendation comments**
  - No comments submitted
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

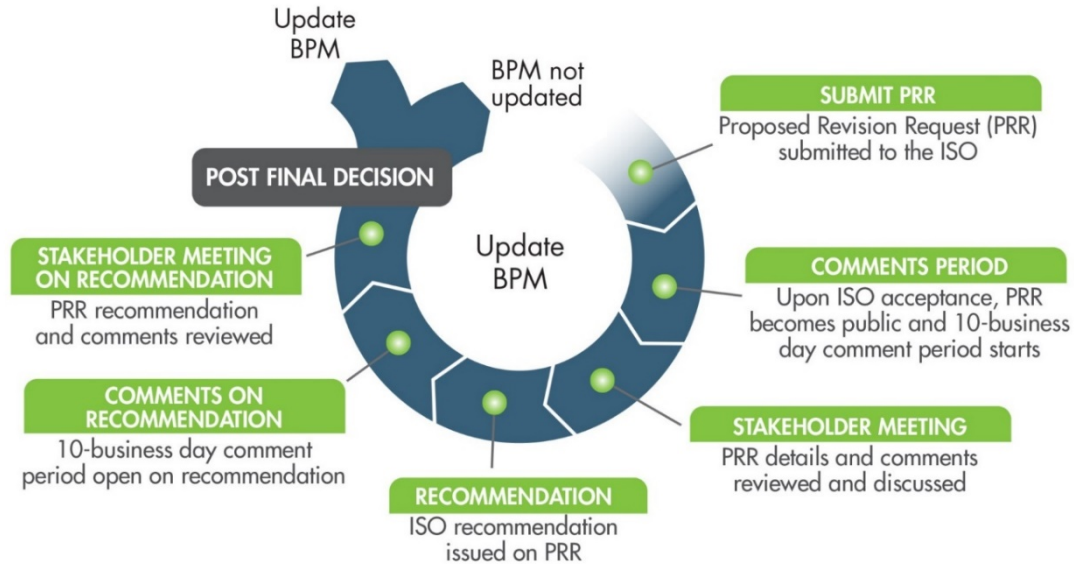
## PRR 1143 – Attachment J update

- **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.
- **Recommendation comments**
  - No comments submitted
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

## 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.
- **Recommendation comments**
  - No comments submitted
- **Recommendation comment period expired**
  - April 16, 2019
- **Next step**
  - Post final decision

# Next BPM Monthly Meeting: Tues., May 28, 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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