



BPM Change Management Meeting

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February 27, 2018

Agenda – BPM Change Management Meeting

February 27, 2018

Topic	Presenter
Introduction / Meeting Overview	Julia Payton
Discussion of active Proposed changes: Reliability Requirements BPM Managing Full Network Model BPM Energy Imbalance Market BPM Market Instruments BPM Market Operations BPM Outage Management BPM Settlements and Billing BPM	Gautham Katta Vivian Liang Jamal Batakji Jamal Batakji Jamal Batakji Gautham Katta Bonnie Peacock
Wrap-Up and Next Steps	Julia Payton

BPM Change Management Process
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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.*

Reliability Requirements BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1030	Reliability services initiative 2018

PRR 1030 – Reliability services initiative 2018

- **Reason for revision:**
 - Reliability Services Initiative (RSI) policy implementation - Effective 5/1/2018
- **Recommendation comments:**
 - Joint Demand Response Parties 2/13/18
 - California Efficiency + Demand Management Council 2/13/18
 - California Large Energy Consumers Association 2/14/18
 - ISO reposted the redlined BPM to reflect changes to the footnote,
- **Recommendation comment period expired:**
 - February 13, 2018
- **Next step:**
 - ISO will reopen the recommendation comment period to allow additional stakeholder comments on the revised redlined BPM.

Managing Full Network Model BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1031	Emergency PRR: Aliso Canyon Phase 3

PRR 1031 – Aliso Canyon Phase 3

- **Reason for revision**
 - This revision includes the modification of Section 4.2.7.1.2 due to Aliso Canyon gas-electric coordination enhancement phase 3. Effective 12/1/2017
- **Recommendation comments**
 - No recommendation comments received
- **Recommendation comment period expired**
 - February 9, 2018
- **Next step**
 - Post ISO final decision

Energy Imbalance Market BPM Recommendation Phase PRRs for Discussion

PRR	PRR Title
1032	Emergency PRR: Enhance the current methodology used to calculate histogram percentile that is utilized in the bid range capacity test requirements

PRR 1032 – Enhance the current methodology used to calculate histogram percentile that is utilized in the bid range capacity test requirements

- **Reason for revision**

- This BPM change is to enhance the current methodology used to calculate histogram percentile that is utilized in the bid range capacity test requirements. Effective 1/4/2018. Section 11.3.2.2 is updated accordingly

- **Recommendation comments**

- No comments submitted

- **Recommendation comment period expired**

- February 13, 2018

- **Next step**

- Final decision

Energy Imbalance Market BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1033	Energy imbalance market enhancement 2017 initiative and variable energy resource forecasts

PRR 1033 – Energy imbalance market enhancement 2017 initiative and variable energy resource forecasts

- **Reason for revision**

- This revision is due to the EIM Enhancement 2017 initiative which includes the following functionalities:
- Automated matching of import/export schedule changes after T-40
- Automated mirroring of system resources at ISO intertie scheduling points
- Base EIM transfer resource imbalance energy settlement
- New generic non-generator resource modeling functionality
- Allow submission of base generation distribution factors (GDFs) for aggregated EIM non-participating resources

- **Initial comments**

- NV Energy 1/22/18
- ISO response posted to NV Energy comment 1/24/18
- Idaho Power 2/21/18

- **Initial comment period expired**

- January 24, 2018

- **Next step** Post recommendation

Market Instruments BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1034	Emergency PRR: Registered startup cost calculation
1037	Emergency PRR: Updates due to Aliso Canyon and other miscellaneous changes

PRR 1034 – Registered startup cost calculation

- **Reason for revision**

- The registered startup cost calculation section has been updated reflect that we now have a retail electricity price available. This is to make the calculation for the registered startup cost “pursuant to the proxy startup cost methodology” as is stated in tariff section 30.4.1.2. This update was missed when the BREB changes were submitted. This is already effective.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 9, 2018

- **Next step**

- Post recommendation

PRR 1037 – Updates due to Aliso Canyon and other miscellaneous changes

- **Reason for revision**

- This is due to the extension of Aliso Canyon Tariff provisions. This is an emergency PRR as Aliso Canyon provisions are already effective.

- **Initial comments**

- Southern California Edison 2/5
- ISO response posted 2/12

- **Initial comment period expired**

- February 9, 2018

- **Next step**

- Post ISO recommendation

Market Operations BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1036	Emergency PRR: Updates due to Aliso Canyon and other miscellaneous changes

PRR 1036 – Updates due to Aliso Canyon and other miscellaneous changes

- **Reason for revision**
 - This is due to the extension of Aliso Canyon Tariff provisions, and the creation of a new section 8 to consolidate most of the E-Tagging topics. This is an emergency PRR as Aliso Canyon provisions are already effective.
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - February 9, 2018
- **Next step**
 - Post ISO recommendation

Outage Management BPM

Initial Phase PRRs for Discussion

PRR	PRR Title
1035	Changes due to reliability services initiative

PRR 1035 – Changes due to reliability services initiative

- **Reason for revision**
 - Policy implementation
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - February 9, 2018
- **Next step**
 - Post ISO recommendation

Settlements and Billing BPM Initial Phase PRRs for Discussion

PRR	PRR Title
1038	Emergency PRR: Clarification of settlement and cost allocation of annual CPM from annual resource adequacy plan in CC 7891 and 7896
1039	Updated BPM configuration guides to implement energy imbalance market enhancements 2017 initiative
1040	Updated BPM configuration guides to implement energy imbalance market winter 2017 enhancements initiative
1041	Retirement of PIRP protective measures and PIRP export energy charge codes, related predecessor calculations, and other calculations using the PIRP protective measures flag
1042	Update “CC6455 – Intertie Schedules Decline Charges” configuration to use zero as the value for both the operational adjustment energy and hourly block binding energy schedule when the HASP block advisory schedule equals zero
1043	Update the real-time energy pre-calculation to remove incorrect operational adjustment settlement for dynamic resource-specific system resource
1044	Update the grid management charge Charge Codes 4515, 4516, & 4563 to remove hardcoded GMC rates in BPM and typographical error fix for CC 7989 and 7999
1045	Updated BPM Configuration Guides PC RA Availability Incentive Mechanism, CC 8830, CC 8831 for calculation of Monthly Average RA
1046	Updated BPM Configuration Guide for PC RA Availability Incentive Mechanism for Reliability Services Initiative 2017

PRR 1038 – Clarification of settlement and cost allocation of annual capacity procurement mechanism from annual resource adequacy plan in CC 7891 and 7896

- **Reason for revision**
 - Related to the recent Annual CPM coming from deficiencies due to Annual RA Plan for Year 2018, we are clarifying settlement and cost allocation rules. This is a documentation only change, and updates to the configuration are not required.
 - The effective trade date of the change is 1/1/2018.
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - February 9, 2018
- **Next step**
 - Post ISO recommendation

PRR 1039 – Updated BPM configuration guides to implement energy imbalance market enhancements 2017 initiative

- **Reason for revision**

- The LMP price related updates were triggered by the market participants request for earlier reporting (utilizing OASIS) of all RT LAP Prices. Siemens will now calculate and provide them several days ahead of the associated trade date, consumed via a Siemens payload instead of calculating in Settlements.
- The effective trade date of the change is 4/1/2018.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1040 – Updated BPM configuration guides to implement energy imbalance market winter 2017 enhancements initiative

- **Reason for revision**
 - The changes were made to help with settling bilateral contracts under base EIM transfer system resources (ETSRs) between two EIM entities. It also captures settlement of auto-matched energy as incorporated within the manual dispatch energy for EIM, and GMC fee exemption for applicable resources that have an agreement with CAISO.
 - The effective trade date of the change is 4/1/2018.
- **Initial comments**
 - No comments submitted
- **Initial comment period expired**
 - February 21, 2018
- **Next step**
 - Post ISO recommendation

PRR 1041 – Retirement of PIRP protective measures and PIRP export energy charge codes, related predecessor calculations, and other calculations using the PIRP protective measures flag

- **Reason for revision**

- Protective Measures and PIRP Export Energy charge codes (711, 721, 722, 751, 752) are being retired. Certain calculations in CC 6475, CC 6486, CC 6371 and CC 591 are also being eliminated or adjusted in relation to the retired charge codes. CC 4999 Monthly Rounding Adjustment Allocation is being updated to reflect the retired charge codes. The IFM Net Amount and RTM Net Amount Pre-calculations are being updated to no longer use the BA_DAILY_RSRC_PIR_PROTECTIVE_MEASURE_FLAG.
- The effective trade date of the change is 4/1/2018.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1042 – Update “CC6455 – Intertie Schedules Decline Charges” configuration to use zero as the value for both the operational adjustment energy and hourly block binding energy schedule when the HASP block advisory schedule equals zero

- **Reason for revision**

- There are a couple of configuration issues associated with the processing of the HASP Decline Charge penalty calculation in a case where the expected energy flow related to a HASP schedule equals zero (0):
 - the processing of Operational Adjustment energy for an export resource
 - the determination of binding (accepted) energy for an intertie resource with a HASP hourly block schedule
- The effective trade date of the change is 6/1/2015.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1043 – Update the real-time energy pre-calculation to remove incorrect operational adjustment settlement for dynamic resource-specific system resource

- **Reason for revision**

- This proposed change will exclude Dynamic Resource-Specific System Resource from the input that leads to OA calculation. Dynamic Tie Generators will continue to be assessed Uninstructed Imbalance Energy (UIE).
- The effective trade date of the change is 11/1/2017.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1044 – Update the grid management charge Charge Codes 4515, 4516, and 4563 to remove hardcoded GMC rates in BPM and typographical error fix for CC 7989 and 7999

- **Reason for revision**

- While Settlements configuration uses the actual GMC prevailing rates, the BPM documentation list a hardcoded rate. The BPM revisions propose to remove these hardcoded rates in the configuration guide documents and instead reference the CAISO website information on prevailing GMC rates, to identify the actual rates used by the Settlements system. Also fixed a typo error to business rule 1.2 of the combined guide for CCs 7989/7999
- The effective trade date of the change for is 4/1/2018 (7989/7999); various for the other CCs as stated in the guides .

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1045 – Updated BPM Configuration Guides PC RA Availability Incentive Mechanism, CC 8830, CC 8831 for calculation of Monthly Average RA

- **Reason for revision**

- The availability calculation methodology approved in RAIM allows a resource to reduce its exposure to RAIM charges by merely adding flexible capacity to its showing. This reduces the incentive for a resource to follow its must offer obligations and to provide replacement capacity in the event of an outage.
- Issue is addressed by evaluating resources on a daily MW availability basis for Generic and Flexible RA separately and then calculating a separate, average monthly availability for both Generic and Flexible RA.
- The effective trade date of the change is 5/1/2018.

- **Initial comments**

- No comments submitted

- **Initial comment period expired**

- February 21, 2018

- **Next step**

- Post ISO recommendation

PRR 1046 – Updated BPM Configuration Guide for PC RA Availability Incentive Mechanism for Reliability Services Initiative 2017

- **Reason for revision**

- The proposed changes introduce differentiation between system and flexible RA capacity to be excluded from RAAIM calculations.
- The effective trade date of the change is 5/1/2018.

- **Initial comments**

- No comments submitted

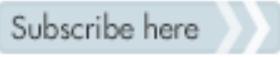
- **Initial comment period expired**

- February 21, 2018

- **Next step**

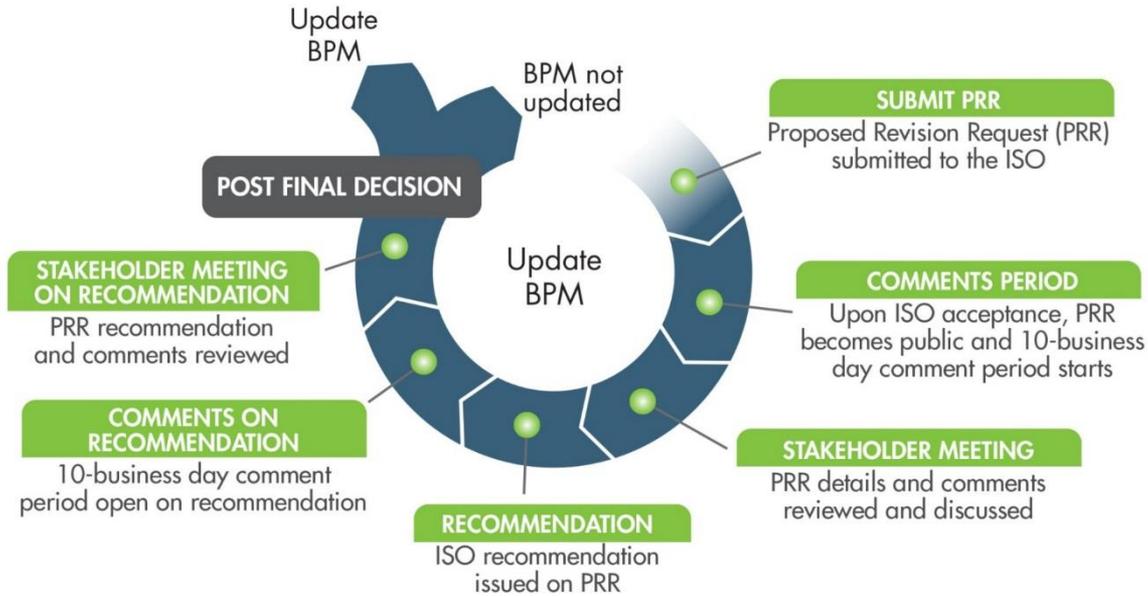
- Post ISO recommendation

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