



BPM Change Management Meeting

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June 23, 2020

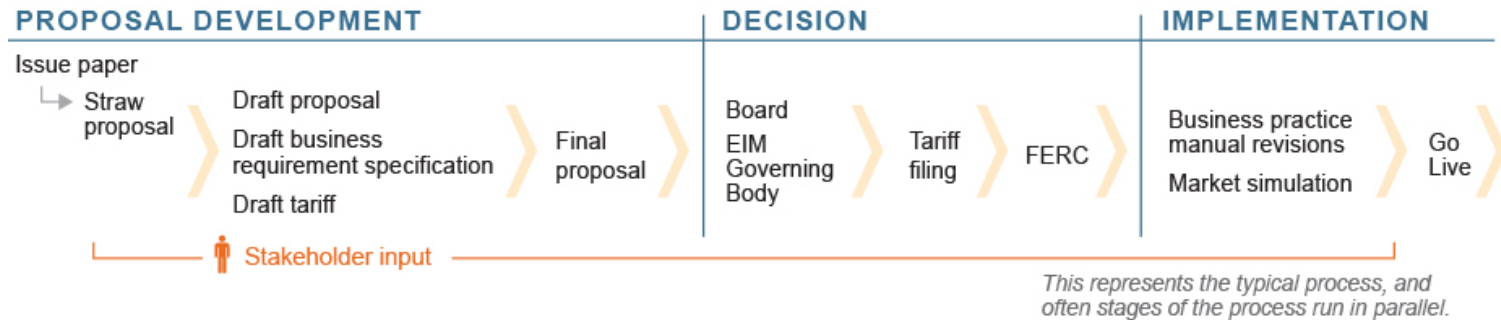
Agenda – BPM Change Management Meeting

June 23, 2020

Topic	Presenter
Introduction / Meeting Overview	Isabella Nicosia
Discussion of active proposed changes: Reliability Requirements BPM Outage Management BPM Metering BPM Generator Management BPM Generator Interconnection Procedures BPM Generator Interconnection and Deliverability Allocation Procedures BPM Demand Response BPM Market Operations BPM Market Instruments BPM Settlements and Billing BPM Transmission Planning Process BPM	Melanie Schimschal Aditya Chauhan, Kalyani Abhyankar Priyanka Namburi Debi Le Vine Debi Le Vine Debi Le Vine Pia Sok Jamal Batakji Jamal Batakji Brenda Corona Jeff Billinton
Wrap-Up and Next Steps	Isabella Nicosia

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

PRR	PRR Title	Stage
1255	2021 Availability Assessment Hours	Initial
1243	Energy storage and distributed energy resources 3 proxy demand resource	Recommendation

PRR 1255 – 2021 Availability Assessment Hours

- Reason for revision
 - Added availability assessment hours for 2021
- Initial comments:
 - No comments submitted
- Initial comment period expired:
 - June 16, 2020
- Next step:
 - Post recommendation

PRR 1243 – Energy storage and distributed energy resources 3 proxy demand resource

- Reason for revision
 - The reason for the revision was to introduce a new a type of proxy demand resource (PDR) – Load shift resource load curtailment stemming from ESDR3B.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Outage Management BPM

PRR	PRR Title	Stage
1254	Variable Energy Resources Off Peak Opportunity Outage	Initial
1252	Language to clarify 24 hour outage rule	Recommendation
1248	Updates for energy storage and distributed energy resources 3B to sections 3.4 and 4.1	Recommendation

PRR 1254 – Variable Energy Resources Off Peak Opportunity Outage

- Reason for revision
 - The current POSO requirement is not aligned correctly for Solar VER resources and creates instances of Solar VERs being subject to POSO, strictly as a result of a calculation due to an outage submittal. The status of the solar resource after production hours has no impact on reliability as the resource could not generate once the sun goes down or "after production hours".
 - Currently, at 10pm, VERs can request an "Off Peak Opportunity Outage (OPOO)" that requires the resource's return to service by 5:59 AM, the following day. A solar VER cannot produce during these hours. In spite of that, if the SC is short RA, the resource may get a Planned Outage Substitution Obligation (POSO). In order to mitigate superfluous POSO requirements, the creation of a "VER Off Peak Opportunity" selection on outage submittals would eliminate the inessential POSO once selected for Solar Resources (VER) performing overnight maintenance. The CAISO's VER forecast itself will validate that the use of "VER Off Peak Opportunity" outage is correctly applied.
- Initial comments:
 - No comments submitted
- Initial comment period expired:
 - June 16, 2020
- Next step:
 - Post recommendation

PRR 1252 – Language to clarify 24 hour outage rule

- Reason for revision
 - This is resubmission of the originally withdrawn PRR 1137.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

PRR 1248 – Updates for energy storage and distributed energy resources 3B to sections 3.4 and 4.1

- Reason for revision
 - Updates for energy storage and distributed energy resources (ESDER) 3B initiative.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Metering BPM

PRR	PRR Title	Stage
1253	Energy storage and distributed energy resources 3B Updates	Recommendation

PRR 1253 – Energy storage and distributed energy resources 3B Updates

- Reason for revision
 - Energy storage and distributed energy resources (ESDER) 3B initiative updates added PDR Load Shift Resource information
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Generator Management BPM

PRR	PRR Title	Stage
1256	Implementation of FERC Order on Deliverability Transfers	Initial
1251	Implementation of FERC Order 845 changes to the Generator Interconnection Procedures	Recommendation

PRR 1256 – Implementation of FERC Order on Deliverability Transfers

- Reason for revision
 - FERC issued an order on May 19, 2020, effective March 3, 2020, accepting the CAISO's deliverability enhancements associated with the CPUC's changes in calculating the qualifying capacity for resource adequacy and additional changes the CAISO made to its transmission planning methodology due to the time-shift of the peak hours. This change results in the CAISO calculating off-peak deliverability status for generator interconnection requests and determining if deliverability network upgrades are required for the project. The change to the BPM for Generator Management provides the customer with the information on the steps and timing needed to transfer deliverability.
- Initial comments:
 - SDG&E; submitted 6/16/20
- Initial comment period expired:
 - June 16, 2020
- Next step:
 - Post recommendation

PRR 1251 – Implementation of FERC Order 845 changes to the Generator Interconnection Procedures

- Reason for revision
 - Implement changes required by FERC Order 845 including requirements for control equipment, expanding modifications allowed after the studies, adding the ability to transfer surplus interconnection service and introducing permissible technological advancements. In addition the CAISO is clarifying the facilities reassessment process.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Generator Interconnection Procedures BPM

PRR	PRR Title	Stage
1250	Implementation of FERC Order 845 for Generator Interconnection Procedure and Agreements	Recommendation

PRR 1250 – Implementation of FERC Order 845 for Generator Interconnection Procedure and Agreements

- Reason for revision
 - Implement the changes order by FERC to revise the Generator Interconnection Procedure and associated Generator Interconnection Agreements. The changes include the requirement for control equipment on generators, allowing transfer of surplus interconnection service and adding permissible technological advances for a fee instead of a modification assessment deposit.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Generator Interconnection and Deliverability Allocation Procedures BPM

PRR	PRR Title	Stage
1249	Implementation of FERC Order 845	Recommendation

PRR 1249 – Implementation of FERC Order 845

- Reason for revision
 - Implementation of FERC Order 845 which amended the Generator Interconnection Process and Agreements. Specifically for GIDAP clarifying text; and adding additional functionality including expanding the scope of studies; expanding the changes allowed after the Phase I results; transfer of surplus interconnection service and permissible technological advancements.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Demand Response BPM

PRR	PRR Title	Stage
1247	Updates for energy storage and distributed energy resources 3B initiative	Recommendation

PRR 1247 – Updates for energy storage and distributed energy resources 3B initiative

- Reason for revision
 - Updates for ESDER 3B initiative, and minor clarification on existing process in Sections: 2.6, and 3.
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Market Operations BPM

PRR	PRR Title	Stage
1246	Changes to market operations related to energy storage and distributed energy resource initiative	Recommendation

PRR 1246 – Changes to market operations related to energy storage and distributed energy resource initiative

- Reason for revision
 - This update is related to part 3B of energy storage and distributed energy resource (ESDER) multi-phased initiative that allows the renewable resources to participate more efficiently in the market. In particular, the ISO developed a load shift product to allow behind the meter storage devices to assist in load curtailment, as well as load consumption, under the proxy demand response (PDR) participation model.
 - Effective date:10/1/2020
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Market Instruments BPM

PRR	PRR Title	Stage
1245	Changes to market instruments related to energy storage and distributed energy resource initiative	Recommendation
1242	Changes to hydro default energy bid formulation	Recommendation

PRR 1245 – Changes to market instruments related to energy storage and distributed energy resource initiative

- Reason for revision
 - This update is related to part 3B of energy storage and distributed energy resource (ESDER) multi-phased initiative that allows the renewable resources to participate more efficiently in the market. In particular, the ISO developed a load shift product to allow behind the meter storage devices to assist in load curtailment, as well as load consumption, under the proxy demand response (PDR) participation model.
 - Effective date:10/1/2020
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

PRR 1242 – Changes to hydro default energy bid formulation

- Reason for revision
 - CAISO is changing the formulation of the weighting factor that applies to the long-term component of the Hydro Default Energy Bid to a dynamic weighting factor that considers index prices in highest to lowest ranking order. The ISO also clarifies fallback logic when power prices are missing and the liquidity criteria for considering additional pricing hubs.
 - Effective Date: 05/01/2020
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Settlements and Billing BPM

PRR	PRR Title	Stage
1244	Updated BPM configuration guide for CC 6045 over and under scheduling EIM settlement to align the documentation with current active settlement configuration	Recommendation

PRR 1244 – Updated BPM configuration guide for CC 6045 over and under scheduling EIM settlement to align the documentation with current active settlement configuration

- Reason for revision
 - This change is in result of a pass through bill variable that was not included in the configuration guide but was present in Settlements configuration (Effective date was 3/1/2017) .
 - CC 6045 Over and Under Scheduling EIM Settlement to include this variable in the documentation to maintain consistency with Settlements configuration.
 - The variable is already active in the system, and these are documentation only changes, which do not result in a configuration change
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

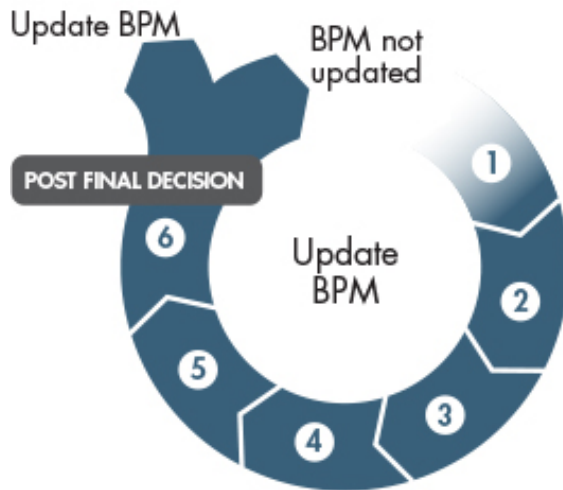
Transmission Planning Process BPM

PRR	PRR Title	Stage
1241	Revision to update electromagnetic transients modeling requirements in Section 10	Recommendation

PRR 1241 – Revision to update electromagnetic transients modeling requirements in Section 10

- Reason for revision
 - Revision to update the EMT modeling requirements for generator models
- Recommendation comments:
 - No comments submitted
- Recommendation comment period expired:
 - June 16, 2020
- Next step:
 - Post final decision

Next BPM PRR Review Monthly Meeting: July 28, 2020 @ 11 a.m.



- 1 SUBMIT PRR**
Proposed Revision Request (PRR) submitted to the ISO
- 2 COMMENTS PERIOD**
Upon ISO acceptance, PRR becomes public and 10-business day comment period starts
- 3 STAKEHOLDER MEETING**
PRR details and comments reviewed and discussed
- 4 RECOMMENDATION**
ISO recommendation issued on PRR
- 5 COMMENTS ON RECOMMENDATION**
10-business day comment period open on recommendation
- 6 STAKEHOLDER MEETING ON RECOMMENDATION**
PRR recommendation and comments reviewed

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process questions:
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