



Section 10 of BPM for TPP- Generator modeling webinar

Songzhe Zhu, Irina Green, Riddhi Ray, Mudita Suri
Market and Infrastructure Development

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Presentation overview

- Overview of PRR 1067
- Generator category list
- Generator data template
- Submission process
- Helpful links

Overview of PRR 1067

- PRR 1067 added a new section 10 to BPM for Transmission Planning Process (TPP)
- Section 10 sets the categorization of generating units, applicable technical and data requirements, deadline for data submission, submission process, and applicable penalties for non-compliance
- Data submission is the responsibility of the participating generator owner, i.e. the entity holding the Participating Generating Agreement for the Resource ID

Data Request Process-Existing Generators

- CAISO will send a letter to the generator owner with a cc to the appropriate SC, 6-8 months in advance of the associated data submission deadline, providing instructions to identify the appropriate category and phase associated with the generator
- There will be a generator data request template attached, pre-populated with data on record with the CAISO and PTO
- Letter will contain instructions for generator owner to validate the existing data and meet the requirements set in the generator data request template

Data Request Process-New Generators

- CAISO will send a letter to the generator owner with a cc to the appropriate SC, after the generator has achieved commercial operation date (COD), providing instructions to identify the appropriate category and deadline to submit the data (i.e. 120 CD from COD)
- There will be a generator data request template attached, pre-populated with data on record with the CAISO and PTO
- Letter will contain instructions for generator owner to validate the existing data and meet the requirements set in the generator data request template

Generator Category List

- The generator category list is a spreadsheet mapping each resource ID to: 1) Category of data submission, and 2) Phase of data submission
- Generator owners should use the generator category list to identify the appropriate category and phase for their generator
- Data requirements and submission deadline will be as described in section 10 of the BPM for TPP, and the attached generator data request template sent by the CAISO

Generator Category Overview

Category	Nameplate capacity	Voltage
Category 1	Individual: ≥ 20 MVA Aggregate: ≥ 75 MVA	≥ 100 kV
Category 2	Individual: ≥ 10 MVA Aggregate: ≥ 20 MVA	≥ 60 kV
Category 3	Individual: < 10 MVA Aggregate: < 20 MVA	≥ 60 kV
Category 4	Explicitly modeled in base case	< 60 kV
Category 5	Modeled as aggregate resource in base case	

Generator Data Request Template

- The generator data request template will be an attachment to the data request letter sent to the generator owner.
- Generator data request templates have been posted on the CAISO website, with link provided later in the presentation
- The CAISO will walk participants through a sample generator data request template to provide guidance on filling out the template as per instructions

Submission Process

- Generator owner will email the completed generator data request template and the associated supplemental documents to the email addresses identified in the data request letter
- The subject line format for the email has been provided in Section 10.4.1 of the BPM for TPP
- The CAISO will provide a sample email submission at the webinar
- On submitting the data request email response, the generator owner will receive a confirmation of receipt with 10 calendar days from submission

Submission format- sample submission to PG&E

Email subject line:

BLPARA_5_SOLAR_Blue Paradise Solar Farm_ BPM model submission

Recipient:

GridModelingData@caiso.com

GenModel@pge.com < replace email id with appropriate PTO >

Attachments:

Updated generator data request template

Test reports (as required)

Other identified documentation

Determination of Data Submission Compliance

Following factors listed in BPM for determination of data submission compliance:

- Completed generator data template as per instructions provided in “Instructions” tab;
- All supplemental data documents requested;
- Show .epc and .dyd files initialize in PSLF program (provide snapshot of initialization); and
- Spread of real power output (P_g) and reactive power output (Q_g) in GE-PSLF simulation results for a 10 second no-fault run at full real power output should be less than 1 or 1% (provide in table format).
- Data submission is made as outlined in Section 10.4.1 of the BPM for TPP

Helpful links

- BPM for TPP

<https://bpmcm.caiso.com/Pages/BPMDetails.aspx?BPM=Transmission%20Planning%20Process>

- Generator category list & Generator data request template (Under Submittal requirements- data for power system modeling and analysis (TPP) BPM)

<http://www.caiso.com/planning/Pages/TransmissionPlanning/Default.aspx>

- E-mail mailbox addresses for CAISO and PTOs

CAISO: GridModelingData@caiso.com

PG&E: GenModel@pge.com

SCE: basecase@sce.com

SDG&E: basecase@semprautilities.com

- Please submit questions to gridmodelingdata@caiso.com with "BPM model submission" in the subject line.