BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF CALIFORNIA

Order Instituting Rulemaking to Oversee the
Resource Adequacy Program, Consider
Program Refinements, and Establish
Forward Resource Adequacy Procurement
Obligations.

Rulemaking 19-11-009
(Filed November 7, 2019)

NOTICE OF EX PARTE COMMUNICATION BY
THE CALIFORNIA INDEPENDENT SYSTEM OPERATOR CORPORATION

Pursuant to Article 8.2 of the California Public Utilities Commission (Commission) Rules
of Practice and Procedure, the California Independent System Operator Corporation (CAISO)
hereby files this notice of written ex parte communications in the above captioned proceeding.
On February 4, 2020, the CAISO sent the attached matrix summarizing its existing tariff
requirements for import resources to the service list of docket R.19-11-009.

Respectfully submitted

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Operator Corporation
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Attorneys for the California Independent
System Operator Corporation

February 4, 2020
ATTACHMENT

Existing Tariff Requirements for Import Resources
Pursuant to party discussions at the December 17, 2019 prehearing conference in this proceeding, the CAISO developed the attached matrix summarizing existing CAISO tariff requirements for import resources. The CAISO prepared this matrix to provide interested parties a common understanding of those requirements as they discuss potential prospective rule changes related to how capacity outside the CAISO balancing authority area may provide Resource Adequacy capacity. The content of this matrix is meant to be consistent with the CAISO tariff. In the event of any inconsistency, the CAISO is bound to operate pursuant to its tariff. This email has been sent to the entire service list in R.19-11-009 and the CAISO will file the email and the attached matrix as a written ex parte communication consistent with the CPUC’s Rules of Practice and Procedure.

Due to the size of the service list, the matrix is being sent in batches.
### RUC Bidding Requirement (If RA)

- Must bid in RUC for RA capacity not reflected in IFM schedule; optimized at zero dollar bid and ineligible for RUC payment. [§40.6.1(4)]
- If Extremely Long-Start, then physically capable. [§40.6.1(1)]

### ISO-Generated Bid If RA Obligation not Met?

- Yes. [§4.2.1 & App.N, §1.2.1.3]
- No. [§4.2.1]

### Does the ISO have the Following Parameter in its Systems?

<table>
<thead>
<tr>
<th>Physical Unit Parameter</th>
<th>Default Energy Bid</th>
<th>Reference Levels for Commitment Costs</th>
<th>Operating Instruction</th>
<th>Dynamic System Resource</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Can the resource be an aggregation of units?

- Yes, provided they meet other applicable requirements for the resource type. [§7.6.1(d) & App.N, §1.2.1.10]
- No. [§4.12.3; App.M, §1.3]

### Does ISO require telemetry?

- Yes. No. [§8.3.2]

### Does ISO require ISO-certified meter at the resource location?

- Yes. No. [§7.6.1(d) & App.N, §1.2.1.10]

### News tariff definition of "Generating Unit"?

- Generating Unit defined as: "A command by operating personnel responsible for the Real-time operation of the interconnected Bulk Electric System to change or preserve the state of the system. An Operating Instruction will be communicated consistent with the practices described in NERC Reliability Standard C002-4." [§34.11.1]

### Relevant Text Definitions

- Operating Instruction defined as: "An instruction by the ISO for an action with respect to specific equipment, or to a resource for increasing or decreasing energy supply or demand to a specified Dispatch Operating Target pertaining to Real-Time operations." [§42.1.5]
- QRS Schedule defined as: "A telemetered reading or measurement that has satisfied the CAISO’s . . . requirements for submitting a Dynamic Schedule . . . ." [§34.11.2]
- Pseudo-Tie defined as: "A functionality by which the output of a generating unit physically interconnected to the electric grid in a Normal Balancing Authority Area is telemetered to an ISO and Ancillary Services, Bids for a given Operating Hour (or the applicable 'sub-hour' interval). [§34.11.7]

### Count of Resource Type (as of 12/31/2019)

- Physical Unit Parameters: (e.g., Pmax, Pmin, Ramp Rate, Heat Rate)

<table>
<thead>
<tr>
<th>Physical Unit Parameter</th>
<th>Count</th>
<th>Count of Resource Type (as of 12/31/2019)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>10</td>
<td>32</td>
</tr>
<tr>
<td>No</td>
<td>0</td>
<td>0</td>
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- Yes. No. [§4.2.1; §1.5.7]
- No. [§4.2.1]

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### News tariff definition of "Generating Unit"?

- Generating Unit defined as: "A command by operating personnel responsible for the Real-time operation of the interconnected Bulk Electric System to change or preserve the state, status, output, or input of an element of the Bulk Electric System at the facilities of a Participant Generator. An Operating Instruction will be communicated consistent with the practices described in NERC Reliability Standard C002-4." [§34.11.1]
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