

# Business Requirements Specification

## FERC Order 844

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### Revision History

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11/26/2018	1.0	Created Document
<u>12/19/2018</u>	<u>1.1</u>	<ul style="list-style-type: none"> <li>○ <u>Section 3.1 (Description):</u> <ul style="list-style-type: none"> <li>▪ <u>Added link to CAISO's response to FERC's deficiency letter document.</u></li> </ul> </li> <li>○ <u>Section 5.1 (Manage FERC-Mandated Reporting - Resource-Specific Uplift Report):</u> <ul style="list-style-type: none"> <li>▪ <u>FERC844-BRQ1010:</u> <ul style="list-style-type: none"> <li>◇ <u>Added charge codes CC6800 and CC6824 to the list of charge codes.</u></li> </ul> </li> <li>▪ <u>FERC844-BRQ1040:</u> <ul style="list-style-type: none"> <li>◇ <u>Added charge codes CC6800 and CC6824 to the list of charge codes.</u></li> </ul> </li> <li>▪ <u>FERC844-BRQ1060:</u> <ul style="list-style-type: none"> <li>◇ <u>Removed "configurable" number of days from report posting.</u></li> </ul> </li> <li>▪ <u>FERC844-BRQ1070:</u> <ul style="list-style-type: none"> <li>◇ <u>Added charge codes CC6800 and CC6824 to the list of charge codes.</u></li> </ul> </li> </ul> </li> <li>○ <u>Section 5.2 (Manage FERC-Mandated Reporting - Zonal Uplift Report):</u> <ul style="list-style-type: none"> <li>▪ <u>FERC844-BRQ2005:</u></li> </ul> </li> </ul>



◇ Added charge codes CC6800 and CC6824 to the list of charge codes.

▪ FERC844-BRQ2020:

◇ Added charge codes CC6800 and CC6824 to the list of charge codes.

▪ FERC844-BRQ2050:

◇ Removed “configurable” number of days from report posting.

▪ FERC844-BRQ2060:

◇ Removed “configurable” number of days from report posting.

▪ FERC844-BRQ2070:

◇ Added charge codes CC6800 and CC6824 to the list of charge codes.

○ Section 5.3 (Manage FERC-Mandated Reporting – Operator-Initiated Commitment Report):

▪ FERC844-BRQ3020:

◇ Changed data element names.

◇ Removed RTCD to market pass.

▪ FERC844-BRQ3025:

◇ Added to receive RUC Resource Market Results data.

▪ FERC844-BRQ3080:

◇ Changed data element names.

◇ Modified to fit RUC records.

◇ Added a note to only publish non-zero RUC records.

◇ Removed RTCD to market pass.

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# 1 Introduction

## 1.1 Purpose

The purpose of this document is to capture and record a description of what the Users and Business Stakeholders of the project wish to obtain by providing high-level business requirements. This document establishes the basis for the agreement between the initiators and implementers of the project. The information in this document serves as input to determining the scope of projects and to all Business Process Modeling and System Requirements Specifications efforts.

## 1.2 FERC Order 844 Overview:

- Order No. 844 (regarding uplift cost allocation and transparency in RTO/ISO markets) directs each RTO/ISO to post three monthly reports:
  - (1) A zonal uplift report of all uplift payments categorized by transmission zone, day, and uplift category that must be posted within 20 calendar days of the end of each month;
  - (2) A resource-specific report of the total amount of uplift paid to each resource, aggregated across the month, that must be posted within 90 calendar days of the end of each month; and
  - (3) An operator-initiated commitment report listing the commitment size, transmission zone, commitment reason, and commitment start time of each operator-initiated commitment that must be posted within 30 calendar days of the end of each month.
- In addition, each RTO and ISO must include in its tariff the transmission constraint penalty factors used in its market software, as well as any circumstances under which those penalty factors can set locational marginal prices, and any process by which an RTO/ISO can temporarily change the penalty factors.

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## 2 Intellectual Property Ownership

- Intellectual property covers a broad array of information and materials, including written works, computer programs, software, business manuals, processes, symbols, logos, and other work products.
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## 3 Details of Business Need/Problem

### 3.1 Description

- On April 18, 2018, FERC issued Order No. 844 regarding uplift cost allocation and transparency in RTO/ISO markets.
- FERC's order withdraws a proposal in FERC's notice of proposed rulemaking to require that each RTO/ISO that currently allocates the costs of real-time uplift to deviations to allocate these costs only to those market participants whose transactions are reasonably expected to have caused them. FERC based this decision on concerns expressed in comments that RTOs/ISOs may not practically be able to implement these proposed reforms in light of the various reasons for real-time uplift.
- With respect to transparency, Order No. 844 finds that current RTO/ISO practices are unjust and unreasonable for uplift reporting and disclosures of transmission constraint penalty factors and directs specific reforms.
- FERC Documents Links:
  - FERC Order No. 844:
    - <https://www.ferc.gov/whats-new/comm-meet/2018/041918/E-1.pdf>
  - CAISO Compliance Filing for FERC Order No. 844:
    - <https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=15024264>
  - FERC's Deficiency Letter for FERC Order No. 844:
    - <https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=15094249>
  - CAISO's Response to FERC's Deficiency Letter for FERC Order No. 844:
    - ~~In Progress.~~
    - <https://elibrary.ferc.gov/idmws/common/opennat.asp?fileID=15112534>

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## 4 Business Impacts

### 4.1 Business Practice Manual (BPM)

BPM	Description of Impact(s)
<b>Market Instruments</b>	Include new OASIS reports.

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## 5 Business Requirements

The sections below describe the Business Processes and the associated Business Requirements involved in the project. These may represent high level functional, non-functional, reporting, and/or infrastructure requirements. These business requirements directly relate to the high level scope items determined for the project.

### 5.1 Business Process: Manage FERC Mandated Reporting - Resource-Specific Uplift Report

#### 5.1.1 Business Requirements

ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ1040	<p><b><u>Aggregating the data</u></b></p> <p>Immediately before publishing the “Resource-Specific Uplift” report, for the applicable month to be published, system shall aggregate to monthly the following resource-specific daily settlements (by summing all daily values within the month) data:</p> <p style="text-align: center;"><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 6630:</b> Daily IFM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6620:</b> Daily RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6800:</b> <u>Daily DA RUC Availability Settlement.</u></li> <li>○ <b>CC 6824:</b> <u>Daily No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Daily Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Daily Exceptional Dispatch Uplift Settlement.</li> </ul>	Core (Tariff §6.5.15)	- Settlements

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>○ <b>CC 691:</b> Daily Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Daily Start Up Cost Payment.</li> </ul> <p style="text-align: center;"><b><u>EIM BAA Data (No CAISO)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 66200:</b> Daily RTM Bid Cost Recovery EIM Settlement.</li> </ul>		
FERC844-BRQ1010	<p><b><u>Broadcast data</u></b></p> <p>Immediately before publishing the “Resource-Specific Uplift” report (including incremental data correction), system shall broadcast the following resource-specific settlements data for the applicable month to be published:</p> <ul style="list-style-type: none"> <li>• Resource IDs</li> <li>• Trading Month.</li> <li>• Uplift Category (Charge Code):</li> </ul> <p><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 6630:</b> Monthly IFM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6620:</b> Monthly RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6800:</b> <u>Monthly DA RUC Availability Settlement.</u></li> <li>○ <b>CC 6824:</b> <u>Monthly No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Monthly Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Monthly Exceptional Dispatch Uplift Settlement.</li> </ul>	Core (Tariff §6.5.15)	<ul style="list-style-type: none"> <li>- Settlements</li> <li>- Integration</li> </ul>



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>○ <b>CC 7891:</b> Monthly CPM Settlement – filtered by ED CPM type only.</li> <li>○ <b>CC 691:</b> Monthly Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Monthly Start Up Cost Payment.</li> </ul> <p><b><u>EIM BAA Data (No CAISO)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 66200:</b> Monthly RTM Bid Cost Recovery EIM Settlement.</li> </ul> <ul style="list-style-type: none"> <li>• Uplift payment in \$.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Refer to FERC844-BRQ1060 for broadcast timing.</li> <li>• This BRQ is same as FERC844-BRQ2005 but for different broadcast timing.</li> </ul>		
FERC844-BRQ1020	<p><b><u>Requirement to Receive</u></b></p> <p>System shall consume the resource-specific settlements data that has been broadcast in FERC844-BRQ1010.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Refer to FERC844-BRQ1060 for receive timing.</li> <li>• This BRQ is same as FERC844-BRQ2007 but for different receive timing.</li> </ul>	Core (Tariff §6.5.15)	- OASIS - Integration
FERC844-BRQ1030	<p><b><u>Resource Common Name Requirement</u></b></p> <p>Immediately before publishing the “Resource-Specific Uplift” report, system shall retrieve the following data from MF for CAISO as well as EIM BAAs for the applicable month to be published (refer to FERC844-BRQ1060):</p> <ul style="list-style-type: none"> <li>• Mapping between Resource Common Name and Resource ID</li> </ul> <p><b>Note:</b></p>	Core (Tariff §6.5.15)	- OASIS - MF (Existing)

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	<ul style="list-style-type: none"> <li>The retrieved MF data shall reflect any resource data that have been deleted (expired effective date) within the applicable month.</li> </ul>		
FERC844-BRQ1050	<p><b><u>Requirement to Publish</u></b></p> <p>System shall automatically publish the following public report using the data that are available at the publishing time :</p> <ul style="list-style-type: none"> <li>Resource-Specific Uplift Report</li> </ul>	Core (Tariff §6.5.15)	- OASIS - Integration
FERC844-BRQ1060	<p><b><u>Publishing Timeline</u></b></p> <p>System shall publish the following report at 80-<del>(configurable)</del> calendar days after the end of each month.</p> <ul style="list-style-type: none"> <li>Resource-Specific Uplift Report</li> </ul> <p><b>Example:</b> For March, 2019 month, the report shall be published at March 31+80 calendar days (June 19, 2019) with latest Settlements data available at that date.</p>	Core (Tariff §6.5.15)	- OASIS
FERC844-BRQ1070	<p><b><u>Publishing Data</u></b></p> <p>System shall publish the “Resource-Specific Uplift” report with the following contents :</p> <ul style="list-style-type: none"> <li>Resource ID</li> <li>Resource Common Name</li> <li>Trading Month/Year</li> <li>Uplift Category (Charge Code):</li> </ul> <p><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li><b>CC 6630:</b> Monthly IFM Bid Cost Recovery Settlement.</li> </ul> </li> </ul>	Core (Tariff §6.5.15)	- OASIS - Integration

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>○ <b>CC 6620:</b> Monthly RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6800:</b> <u>Monthly DA RUC Availability Settlement.</u></li> <li>○ <b>CC 6824:</b> <u>Monthly No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Monthly Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Monthly Exceptional Dispatch Uplift Settlement.</li> <li>○ <b>CC 7891:</b> Monthly CPM Settlement – filtered by ED CPM type only.</li> <li>○ <b>CC 691:</b> Monthly Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Monthly Start Up Cost Payment.</li> </ul> <p><b><u>EIM BAA Data (No CAISO)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 66200:</b> Monthly RTM Bid Cost Recovery EIM Settlement.</li> </ul> <ul style="list-style-type: none"> <li>● Uplift \$ Payment</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>● The term “resource” refers to each individual resource unit.</li> <li>● For MSG resource, resource common name shall be MSG plant, and not on MSG configuration.</li> <li>● For Aggregate resource, resource common name shall be Aggregate unit, and not on individual child units.</li> </ul>		

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ1080	For all resource IDs that are listed in the “Resource-Specific Uplift” report, system shall make available resource ID to resource common name for access by Market Participants.	Core (Tariff §6.5.15)	- OASIS

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## 5.2 Business Process: Manage FERC Mandated Reporting - Zonal Uplift Report

### 5.2.1 Business Requirements

ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ2010	<p><b><u>TAC Area Requirement</u></b></p> <p>Immediately before publishing the “Zonal Uplift” report, system shall retrieve the following data from MF for the applicable month to be published (refer to FERC844-BRQ2050 and FERC844-BRQ2060):</p> <ul style="list-style-type: none"> <li>• Mapping between resources and TAC area.</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• There is a single TAC area set for each EIM BAA (already defined in MF for Settlements purpose use).</li> <li>• MF has mapping between generator/intertie/load resources and TAC area.</li> <li>• The retrieved MF data shall reflect any resource data that have been deleted (expired effective date) within the applicable month.</li> </ul>	Core  (Tariff §6.5.14)	<ul style="list-style-type: none"> <li>- Settlements</li> <li>- MF (Existing)</li> </ul>



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ2020	<p><b><u>Aggregating the data</u></b></p> <p>Immediately before publishing the “Zonal Uplift” report, for the applicable month to be published, system shall:</p> <p>(1) Aggregate to TAC area the following data by summing all resource-specific uplift \$ payment values within each TAC area:</p> <p><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 6630:</b> Daily IFM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6620:</b> Daily RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6800:</b> Daily <u>DA RUC Availability Settlement.</u></li> <li>○ <b>CC 6824:</b> Daily <u>No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Daily Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Daily Exceptional Dispatch Uplift Settlement.</li> </ul>	Core (Tariff §6.5.14)	- Settlements

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	<ul style="list-style-type: none"> <li>○ <b>CC 7891:</b> Monthly CPM Settlement – filtered by ED CPM type only.</li> <li>○ <b>CC 691:</b> Daily Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Daily Start Up Cost Payment.</li> </ul> <p><b><u>EIM BAA Data (No CAISO)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 66200:</b> Daily RTM Bid Cost Recovery EIM Settlement.</li> </ul>		
FERC844-BRQ2005	<p><b><u>Broadcast data</u></b></p> <p>Immediately before publishing the “Zonal Uplift” report (including incremental data correction), system shall broadcast the following Zonal settlements data for the applicable month to be published:</p> <ul style="list-style-type: none"> <li>• TAC Area</li> <li>• Trading Date.</li> <li>• Uplift Category (Charge Code):</li> </ul> <p><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 6630:</b> Daily IFM Bid Cost</li> </ul>	Core (Tariff §6.5.14)	- Settlements - Integration



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>Recovery Settlement.</li> <li>○ <b>CC 6620:</b> Daily RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <u><b>CC 6800:</b> Daily DA RUC Availability Settlement.</u></li> <li>○ <u><b>CC 6824:</b> Daily No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Daily Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Daily Exceptional Dispatch Uplift Settlement.</li> <li>○ <b>CC 7891:</b> Monthly CPM Settlement – filtered by ED CPM type only.</li> <li>○ <b>CC 691:</b> Daily Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Daily Start Up Cost Payment.</li> <li><b><u>EIM BAA Data (No CAISO)</u></b></li> <li>○ <b>CC 66200:</b> Daily RTM Bid Cost Recovery EIM Settlement.</li> </ul>		



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>Uplift Payment in \$</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>For monthly CPM charge code (<b>CC 7891</b>), Trading Date shall be the first day of the Trading month.</li> <li>Refer to FERC844-BRQ2050, FERC844-BRQ2060 for broadcast timing.</li> </ul>		
FERC844-BRQ2007	<p><b><u>Requirement to Receive</u></b></p> <p>System shall consume the Zonal settlements data that has been broadcast in FERC844-BRQ2005.</p> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>Refer to FERC844-BRQ2050, FERC844-BRQ2060 for receive timing.</li> </ul>	Core (Tariff §6.5.14)	- OASIS - Integration
FERC844-BRQ2030	<p><b><u>Requirement to Publish</u></b></p> <p>System shall automatically publish the following public report using the data that are available at the publishing time :</p> <ul style="list-style-type: none"> <li>Zonal Uplift Report</li> </ul>	Core (Tariff §6.5.14)	- OASIS - Integration

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ2050	<p><b><u>Publish at MonthEnd+18 days</u></b></p> <p>System shall publish the following report at 18 <del>(configurable)</del> calendar days after the end of each month.</p> <ul style="list-style-type: none"> <li>• Zonal Uplift Report</li> </ul> <p><b>Example:</b> For March, 2019 month, the first report shall be published at March 31+18 calendar days (April 18, 2019) with latest Settlements data available at that date.</p>	Core (Tariff §6.5.14)	- OASIS
FERC844-BRQ2060	<p><b><u>Publish again at MonthEnd+80 days</u></b></p> <p>System shall re-publish the following report at 80 <del>(configurable)</del> calendar days after the end of each month.</p> <ul style="list-style-type: none"> <li>• Zonal Uplift Report</li> </ul> <p><b>Example:</b> For March, 2019 month, the second report shall be re-published at March 31+80 calendar days (June 19, 2019) with latest Settlements data available at that date.</p>	Core (Tariff §6.5.14)	- OASIS



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ2070	<p><b><u>Publishing Data</u></b></p> <p>System shall publish the “Zonal Uplift” report with the following contents :</p> <ul style="list-style-type: none"> <li>• TAC Area</li> <li>• Trading Date</li> <li>• Uplift Category (Charge Code):</li> </ul> <p><b><u>CAISO BAA Data (No EIM)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 6630:</b> Daily IFM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6620:</b> Daily RUC and RTM Bid Cost Recovery Settlement.</li> <li>○ <b>CC 6800:</b> <u>Daily DA RUC Availability Settlement.</u></li> <li>○ <b>CC 6824:</b> <u>Daily No Pay Residual Unit Commitment (RUC) Settlement.</u></li> <li>○ <b>CC 6482:</b> Daily Real Time Excess Cost for Instructed Energy Settlement.</li> <li>○ <b>CC 6488:</b> Daily Exceptional Dispatch Uplift Settlement.</li> <li>○ <b>CC 7891:</b> <u>Monthly-Only</u></li> </ul>	Core (Tariff §6.5.14)	- OASIS - Integration



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<p>CPM Settlement – filtered by ED CPM type only.</p> <ul style="list-style-type: none"> <li>○ <b>CC 691:</b> Daily Emission Cost Payment.</li> <li>○ <b>CC 692:</b> Daily Start Up Cost Payment.</li> </ul> <p><b><u>EIM BAA Data (No CAISO)</u></b></p> <ul style="list-style-type: none"> <li>○ <b>CC 66200:</b> Daily RTM Bid Cost Recovery EIM Settlement.</li> </ul> <ul style="list-style-type: none"> <li>● Uplift \$ Payment:</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>● The published data shall be daily for each day of the month except for the CPM Settlements data, which will be published as monthly only for the first day of the month.</li> </ul>		

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## 5.3 Business Process: Manage FERC Mandated Reporting - Operator-Initiated Commitment Report

### 5.3.1 Business Requirements

ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
FERC844-BRQ3020	<p><b><u>Requirement to Receive</u></b></p> <p>System shall consume the resource-specific post-DA <u>Exceptional Dispatch</u> data from post-DA market for CAISO BAA (but not EIM BAAs) for the applicable month to be published:</p> <ul style="list-style-type: none"> <li>• Resource ID</li> <li>• <del>Non-Economic Operator-Initiated</del><u>ED</u> Dispatch Start Time</li> <li>• <del>Non-Economic Operator-Initiated</del><u>ED</u> Dispatch End Time</li> <li>• Market Type (RTM)</li> <li>• Market Pass (FMM, RTD, <del>RTCD</del>)</li> <li>• Commitment Size:               <ul style="list-style-type: none"> <li>○ <u>ED</u> Dispatch MW</li> </ul> </li> <li>• <u>ED</u> Constraint Type (Min, Max, or Fixed)</li> <li>• Commitment Reason:               <ul style="list-style-type: none"> <li>○ ED Reason Code</li> <li>○ ED Other Reason Code</li> </ul> </li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• Refer to FERC844-BRQ3070 for receive timing.</li> <li>• <del>The Non-economic Operator-initiated</del><u>The ED</u> Dispatch Start Time shall be within the published month irrespective of its End Time.</li> <li>• The term “resource” refers to each individual resource unit.</li> </ul>	Core (Tariff §6.5.16)	- OASIS - Integration

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>• For MSG resource, resource common name shall be MSG plant, and not on MSG configuration.</li> <li>• For Aggregate resource, resource common name shall be Aggregate unit, and not on individual child units.</li> <li>• Commitment Reason shall include, but not limited to, system-wide capacity, constraint management, and voltage support.</li> <li>• FERC interpreted commitment to mean “a commitment after the DA market, whether manual or automated, for a reason other than minimizing the total production costs of serving load.”</li> <li>• Dataset shall contain non-economic dispatch only (either manual or automated ED, but no manual dispatch as it is pertinent to EIM.</li> <li>• Commitment size shall be represented by ED Dispatch.</li> </ul>		
<a href="#"><u>FERC844-BRQ3025</u></a>	<p><b><u>Requirement to Receive</u></b></p> <p><u>System shall consume the original as well as corrected resource-specific RUC Market Results (original and corrected) data for CAISO BAA (but not EIM BAAs) for the applicable month to be published:</u></p> <ul style="list-style-type: none"> <li>• <u>Resource ID</u></li> <li>• <u>Start Time</u></li> <li>• <u>End Time</u></li> <li>• <u>Market Type (DAM)</u></li> <li>• <u>Market Pass (RUC)</u></li> <li>• <u>RUC Capacity MW</u></li> </ul> <p><b><u>Notes:</u></b></p> <ul style="list-style-type: none"> <li>• <u>Refer to FERC844-BRQ3070 for receive timing.</u></li> </ul>	<p><u>Core</u> <u>(Tariff §6.5.16)</u>  <b><u>(Existing Functionality)</u></b></p>	<p><u>- OASIS</u> <u>- Integration</u></p>

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>• <u>The Start Time shall be within the published month irrespective of its End Time.</u></li> <li>• <u>The term “resource” refers to each individual resource unit.</u></li> <li>• <u>For MSG resource, resource common name shall be MSG plant, and not on MSG configuration.</u></li> <li>• <u>For Aggregate resource, resource common name shall be Aggregate unit, and not on individual child units.</u></li> </ul>		
FERC844-BRQ3040	<p><b><u>TAC Area Requirement</u></b></p> <p>Immediately before publishing the “Operator-Initiated Commitment” report, system shall retrieve the following data from MF for the applicable month to be published (refer to FERC844-BRQ3070):</p> <ul style="list-style-type: none"> <li>• Mapping between resources and TAC area (for CAISO BAA, but not EIM BAAs).</li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• This is a subset of FERC844-BRQ2010</li> <li>• MF has mapping between generator/intertie/load resources and TAC area.</li> <li>• The retrieved MF data shall reflect any resource data that have been deleted (expired effective date) within the applicable month.</li> </ul>	Core (Tariff §6.5.16)	- OASIS - MF (Existing)
FERC844-BRQ3063	<p><b><u>Requirement to Mask Resource IDs</u></b></p> <p>System shall automatically mask resource IDs before publishing them on Operator-Initiated Commitment report following these rules:</p> <ul style="list-style-type: none"> <li>• Each resource shall be masked to a unique masked ID.</li> </ul>	Core (Tariff §6.5.16)	- OASIS



ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>• Same resource shall be masked to same masked ID for the same month.</li> <li>• Same resource shall be masked to different masked ID for each monthly report.</li> <li>• Any manual corrections made to a monthly report shall use same masked IDs that have been used in the original report (exception is a correction to add a resource that was not published in the original report).</li> </ul>		
FERC844-BRQ3067	<p><b><u>Requirement to Store Masked Resource IDs</u></b></p> <p>System shall store mapping between real resource IDs and masked resource IDs for each monthly published Operator-Initiated Commitment report.</p>	Core (Tariff §6.5.16)	- OASIS
FERC844-BRQ3060	<p><b><u>Requirement to Publish</u></b></p> <p>System shall automatically publish the following public report using the data that are available at the publishing time :</p> <ul style="list-style-type: none"> <li>• Operator-Initiated Commitment Report</li> </ul>	Core (Tariff §6.5.16)	- OASIS - Integration
FERC844-BRQ3070	<p><b><u>Publish at MonthEnd+25 days</u></b></p> <p>System shall publish the following report at 25 days after the end of each month.</p> <ul style="list-style-type: none"> <li>• Operator-Initiated Commitment Report</li> </ul> <p><b>Example:</b> For March, 2019 month, the report shall be published at March 31+25 calendar days (April 25, 2019) with latest data available at that date.</p>	Core (Tariff §6.5.16)	- OASIS
FERC844-BRQ3080	<p><b><u>Publishing Data</u></b></p>	Core (Tariff §6.5.16)	- OASIS - Integration

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<p>System shall publish the “Operator-Initiated Commitment” report with the following contents for CAISO BAA (but not EIM BAAs):</p> <ul style="list-style-type: none"> <li>• Masked Resource ID</li> <li>• TAC Area</li> <li>• Start Trade Date</li> <li>• <del>Non-Economic Operator-Initiated Dispatch</del> Start Time</li> <li>• <del>Non-Economic Operator-Initiated Dispatch</del> End Time</li> <li>• Market Type (<del>DAM,</del> RTM).</li> <li>• Market Pass (<del>RUC,</del> FMM, RTD, <del>RTCD</del>).</li> <li>• Commitment Size: <ul style="list-style-type: none"> <li>○ <del>MW:</del> Dispatch MW <u>for ED, or RUC Capacity for RUC</u>.</li> </ul> </li> <li>• <del>Type:</del> Constraint Type (Min <u>ED</u>, Max <u>ED</u>, or Fixed) <u>ED</u> for ED, or <u>Capacity</u> for RUC.</li> <li>• <del>Commitment</del> Reason: <ul style="list-style-type: none"> <li>○ <del>EDReason:</del> Reason Code <u>for ED, or "System Wide Capacity" for RUC</u>.</li> <li>○ <del>EDClarified Reason:</del> Other Reason Code <u>for ED, or "Optimization" for RUC</u>.</li> </ul> </li> </ul> <p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>• <u>Only non-zero RUC records shall be published.</u></li> <li>• This report is by resource data but the resource ID has been omitted from this report.</li> <li>• <del>The Non-economic Operator-initiated Dispatch</del> <u>The</u> Start Time shall be within the published month irrespective of its End Time.</li> </ul>		

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ID#	Business Feature	Requirement Type	Potential Application(s) Impacted
	<ul style="list-style-type: none"> <li>• The term “resource” refers to each individual resource unit.</li> <li>• For MSG resource, resource common name shall be MSG plant, and not on MSG configuration.</li> <li>• For Aggregate resource, resource common name shall be Aggregate unit, and not on individual child units.</li> <li>• <del>Commitment</del> Reason shall include, but not limited to, system-wide capacity, constraint management, and voltage support.</li> <li>• FERC interpreted commitment to mean “a commitment after the DA market, whether manual or automated, for a reason other than minimizing the total production costs of serving load.”</li> <li>• Dataset shall contain non-economic dispatch only (either manual or automated ED, <u>or RUC Capacity</u>), but no manual dispatch as it is pertinent to EIM.</li> <li>• Commitment size shall be represented by ED Dispatch-, <u>or RUC Capacity</u>.</li> </ul>		

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## 6 Appendix-1: Acronym Definition

Acronym	Definition
API	Application Program Interface
B2B	Business-to-Business
BA	Business Analyst
BA	Balancing Authority
BAA	Balancing Authority Area
BCR	Bid Cost Recovery
BOG	Board Of Governors
BPM	Business Process Manual
BRQ	Business Requirement
BRS	Business Requirement Specifications
CAISO	California Independent System Operator
CIP	Critical Infrastructure Protection
CMRI	Customer Market Results Interface
CONFIG	Configuration
CPM	Capacity Procurement Mechanism
DA	Day-Ahead
DAM	Day-Ahead Market
DAT	Data Requirement
DB	Data Base
DDS	Design & Development Specifications

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Acronym	Definition
DI	Develop Infrastructure
DLAP	Default Load Aggregation Point
DM	Develop Markets
DMM	Department of Market Monitoring
ED	Exceptional Dispatch
EDR	Enterprise Data Repository
EIM	Energy Imbalance Market
EMM	Enterprise Modeling Management
EMMS	Enterprise Modeling Management System
ESP	Electronic Security Perimeter
e-Terra	Settlements Application System
FERC	Federal Energy Regulatory Commission
FMM	Fifteen Minute Market
FNM	Full Network Model
FODD	FERC Outgoing Data Depository
FRP	Flexible Ramp Product
GIP	Generator Interconnection Procedure
GMC	Grid Management Charge
GRDT	Generator Resource Data Template
GUI	Graphical User Interface
HASP	Hour-Ahead Scheduling Process

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<b>Acronym</b>	<b>Definition</b>
ID	Identification
IFM	Integrated Forward market
IS	Information Security
ISO	California Independent System Operator
ISO-NE	Independent System Operator - New England
IT	Information Technology
ITPD	Information Technology Product Development
ITPM	Information Technology Product Management
LMP	Local Marginal Price
MAF	Market Analysis & Forecasting
MCC	Marginal Congestion Cost
MCI	Model & Contract Implementation
MED	Manual Economic Dispatch
MF	Master File
MHC	Manage Human Capabilities
MMG	Manage Markets & Grid
MMR	Manage Market & Reliability Data & Modeling
MOC	Minimum Online Commitment
MOS	Manage Operations Support & Settlements
MP	Market Participant
MPM	Market Power Mitigation

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<b>Acronym</b>	<b>Definition</b>
MQRI	Market Quality and Renewable Integration
MQS	Market Quality System
MRTU	Market Redesign & Technology Upgrade
MSG	Multi-Stage Generator
MVQ	Market Validation Quality
MVQA	Market Validation Quality & Analysis
MVT	Market Validation Tool
MW	Mega Watt
MWH	Mega Watt Hour
N	No
N/A	Not Applicable
NERC	North American Electric Reliability Corporation
NGR	Non-Generating Resource
NOPR	Notice of Proposed Rule Making
NYISO	New York Independent System Operator
OASIS	Open Access Same-Time Information System
OES	Operations Engineering Services
OMS	Outage Management System
OOM	Out-Of-Merit
OOS	Out Of Sequence
PCA	Price Correction Application

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<b>Acronym</b>	<b>Definition</b>
PJM	Pennsylvania Jersey Maryland
Pmax	Maximum Generation (Load) MW Level
PMB	Plan & Manage Business
Pmin	Minimum Generation (Load) MW Level (same as ML)
PMO	Project Management Office
POC	Point Of Contact
PSTD	Power Systems Technology Development
PSTO	Power Systems Technology Operations
PTO	Participating Transmission Owner
QRB	Quality Review Board
RCInt	Reliability Coordinator Integration
RDT	Resource Data Template
RES	Resource
RSI	Residual Supplier Index
RT	Real-Time
RTCD	Real-Time Contingency Dispatch
RTD	Real-Time Dispatch
RTDD	Real-Time Disturbance Dispatch
RTM	Real-Time Market
RTN	Real-Time Market
RTO	Regional Transmission Organization

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<b>Acronym</b>	<b>Definition</b>
RTPD	Real-Time Pre-Dispatch
RUC	Residual Unit Commitment
SADS	System And Design Specifications
SBS	Support Business Services
SC	Scheduling Coordinator
SCS	Support Customers & Stakeholders
SME	Subject Matter Expert
SRS	System Requirement Specifications
STUC	Short-Term Unit Commitment
TAC	Transmission Access Charge
TBD	To Be Determined
TOP	Transmission Operator
UAT	User Acceptance Test
UI	User Interface
WECC	Western Electricity Coordinating Council
Y	Yes