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		<b>Version No.</b>	11.2
		<b>Effective Date</b>	1/01/24
<b>Real-Time Reliability Must Run Unit Commitment and Dispatch</b>		<b>Distribution Restriction: None</b>	

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## Purpose

Outlines the commitment and Dispatch of Reliability Must Run (RMR) Units.

## 1. Responsibilities

<b>CAISO</b>	<p>Maintains in Master File a list of available RMR Units to meet the reliability needs of the CAISO Controlled Grid.</p> <p>Utilizes the RMR Units necessary to meet the operating criteria as specified by the North American Electric Reliability Council (NERC), the WECC Operating Reserve requirements, and any applicable local reliability criteria.</p>
<b>RMR</b>	<p>Contracted as of 2020, RMR Units which have been contracted under a Reliability Must Run Contract. From Section 41 of the CAISO Tariff, RMR Resources will be subject to all of the availability, dispatch, testing, reporting, verification, and any other applicable requirements imposed under CAISO Tariff Section 40.6 or Section 40.10.6, as applicable to specific types of Resource Adequacy (RA) Resources identified in RA Plans and Flexible RA Capacity resources identified in Resource Flexible RA Capacity Plans.</p>

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	List of RMR Units can be found in <a href="#">CAISO Operating Procedure 2310A List of RMR Resources (Internal)</a> .
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## 2. Scope/Applicability

### 2.1. Background

RMR Units can be committed and dispatched by the CAISO to meet certain local area operating constraints, address local reliability issues, mitigate congestion on non-competitive paths, meet shortfalls in the AS market, provide Black Start and Voltage Support, or Supply needs that arise in Real-Time (RT). In 2019 RMR Enhancements were implemented and created differentiation between dispatch of Legacy RMR (those contracted prior to 2020) and RMR (non-Legacy, or those with contracts effective Jan 1, 2020 or later). **As there are no longer any Legacy RMR resources after Jan 1 2024, all procedures pertaining to Non-Legacy RMR have been removed.** Further information can be found within the dispatch philosophy sections within Energy Dispatching **for RMR resources**, as well as CAISO Tariff sections 41, Appendix G, and Appendix H.

### 2.2. Scope/ Applicability

This procedure is applicable to the commitment and dispatch of **RMR resources** in Real-Time.

## 3. Procedure Detail


### 3.1. Energy Dispatching

#### 3.1.1. **RMR Dispatch** Philosophy

The following describes the Dispatch philosophy:

Per CAISO Tariff section 41, **RMR Resources** will be subject to all of the availability, dispatch, testing, reporting, verification, and any other applicable requirements imposed under Section 40.6 or Section 40.10.6, as applicable to specific types of Resource Adequacy Resources identified in Resource Adequacy Plans and Flexible RA Capacity resources identified in Resource Flexible RA Capacity Plans. RMR Resources will meet the Day-Ahead availability requirements specified in Section 40.6, the Real-Time availability requirements specified in Section 40.6.2, and the Day-Ahead and Real-Time availability requirements specified under Section 40.10.6.1 for the highest Flexible Capacity Category for which the unit qualifies under Section 40.10.3. Also in accordance with those requirements, RMR **Resources that** meet the

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definition of Short Start Units will be obligated to meet the availability requirements of Section 40.6.2, RMR Resources that meet the definition of Long Start Units will have the rights and obligations specified in Section 40.6.2. If the CAISO has not received an Economic Bid or Self-Schedule for capacity from an RMR Resource, the CAISO will utilize a Generated Bid in accordance with the procedures specified in Section 40.6.8.


If it is determined that an RMR Unit needs to be dispatched outside of market awards/schedules:

<b>CAISO Generation Dispatcher</b>
<ol style="list-style-type: none"> <li><b>Manually dispatch and record</b> Exceptional Dispatches as needed on RMR Units in the same manner as that used to record these dispatches for non-RMR Units.</li> <li><b>Refer</b> to CAISO Operating Procedure <a href="#">2330 Real-Time Exceptional Dispatch</a>.</li> </ol>

### 3.2. Ancillary Services (AS) Dispatching

In addition to Energy Bids, RMR Resources will submit Ancillary Services Bids for the capacity to the extent the resource is certified to provide Ancillary Service. If additional AS Capacity is required, take the following actions when dispatching RMR for AS:

<b>CAISO Generation Dispatcher</b>
<ol style="list-style-type: none"> <li><b>Utilize</b> the Manual Assignment of AS process where the ability to deliver the needed AS should be the highest consideration.  <i>Note: There is no requirement to consider RMR resources for manual AS assignment before any other AS Certified market resource.</i></li> <li><b>Refer</b> to Desktop Procedure GEN-029 Manual AS Assignment for more details.</li> </ol>

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## 4. Supporting Information

### Operationally Affected Parties

Shared with the Public.

### References


Resources studied in the development of this procedure and that may have an effect upon some steps taken herein include but are not limited to:

CAISO Tariff	Section 40 and 41, Appendix G, Appendix H
CAISO Operating Procedure	<a href="#">2330 Real-Time Exceptional Dispatch</a> <a href="#">2330C Real-Time Exceptional Dispatch Instruction Types</a> <a href="#">2310A List of RMR Resources - (Internal)</a> <a href="#">5330 Resource Testing Guidelines</a> <a href="#">GEN-029 Manual AS Assignment - (Internal)</a>
NERC Requirements	
WECC Criterion	
Other References	Must-Run Service Agreement

### Version History

Version	Change	Date
10.4	Conversion from SharePoint Word to Centric	3/09/16
11.0	Periodic Review: Removed all tasks not performed by Operations. Replaced A/S with AS. Minor formatting and grammar updates. Removed version history prior to 5-years.	2/12/20
11.1	Modified for clarity around RMR and Legacy RMR resources, including Responsibilities and Dispatch sections and split Energy Dispatch instructions into Legacy RMR and RMR sections. Added reference to 2330, 2330C, and 2310A. Minor grammar and formatting edits.	5/14/21
11.2	Periodic Review: Added language that removes all mention of Legacy RMR. Updated references of 2310A due to title change. Replaced Generation "Desk" with "Dispatcher". Updated two	1/01/24

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Version	Change	Date
	procedure references to note they are internal. Removed history prior to five years.	

## 5. Periodic Review Procedure

### Review Criteria & Incorporation of Changes

There are no specific criteria for reviewing or changing this document, follow instructions in CAISO Operating Procedure 5510.

### Frequency

Every three (3) Years.

## Appendix

2310A List of RMR Resources