California ISO Readiness Notes

Title: Resource Sufficiency Evaluation Enhancements Phase 1 Patch 15 Updates

Expected Production Date: In Production June 16, 2022 for Effective Trade Date of June 17, 2022

Link to associated training documents (if applicable):

Contact: CustomerReadiness@caiso.com or submit a CIDI ticket

TCR(s) or Project Associated: RSEE Phase 1

Details: The following changes will be effective as of Thursday, June 16 at 2:35 PM PPT:
- New BAAOP UI – DR LF Conformance
- Updated BAAOP UIs:
  - Bid Range Capacity Test
  - Flex Ramp Sufficiency Test
- New UI in CMRI – Resource Bid Range Capacity Report
- New UI in OASIS – WEIM RSE Capacity Tests Report
- Updated UI in OASIS – Flex Ramp Requirements Inputs and Outputs (WEIM RSE Flexible Ramping Tests) Report

The updates reflected on the following pages of this document will be deployed in Production in the respective applications (BAAOP, CMRI and OASIS) on June 16 at 2:35pm PPT.
The following changes will be reflected in the Balancing Authority Area Operations Portal (BAAOP) Production environment as of Thursday, June 16, 2022.

**NEW BAAOP USER INTERFACE: RTBS DR Conformance**

This new UI will be found under the Input tab, and provides both data views and the capability to enter load forecast adjustments to account for demand response (DR).

WEIM’s have a new UI to manually input non-market Demand Response into the RTBS calculations if they do not submit it through the Short-Term Forecast (STF) team’s process. It will not accept or utilize inputs for CAISO or any WEIM who has not signed the attestation for its use. For CAISO it will always read, “DR LF Adjustments are not enabled for CISO.”

It is important to note that in order to use this UI, an attestation must be sent to the ISO Short Term Forecast team. To submit this information, please use the following process:

EIM Entity to provide Short Term Forecasting with DR schedules. Short Term Forecasting to evaluate if implementing DR schedules or model changes are needed to assist with accuracy of model performance.
Communication to ISO

- Email Notification to shorttermforecasting@caiso.com
  - During business hours (07:00-16:00 PPT), send email notification to shorttermforecasting@caiso.com
  - During non-business hours, contact Service Desk and ask for Forecasting on Call

- Timeline Of Notification:
  - One Day Prior
  - Updated information when schedules change

Evaluation of Demand Response

1. Receive email notification from EIM entity of Demand Response
2. Look at the MWs being scheduled in comparison of percentage of demand
3. If schedule DR is 5% or greater
   - Input schedule in ALFS on Day of DR Activation
   - Email EIM entity
   - Monitor throughout the day
4. If scheduled DR is less than 5%
   - Short Term Forecasting to evaluate if implementing DR schedules or model changes are needed to assist with accuracy of model performance during DR activation hours
   - Email EIM entity
   - Monitor throughout the day

For more information related to accounting for DR, review the following presentation posted in the WEIM Portal: WEIM Bi-Weekly Ops Meeting April 2022 Load Forecasting with Demand Response Data.pdf
**UPDATED BAAOP USER INTERFACE: Bid Range Capacity Test**

UI moving out of Coming Soon. Path is EIM > System > Base Schedule Test Results > Bid Range Capacity Test
UPDATED BAAOP USER INTERFACE: Flex Ramp Sufficiency Test

UI moving out of Coming Soon. Path is EIM > System > Base Schedule Test Results > Flex Ramp Sufficiency Test

Additional fields to provide Power Balance Constraint (PBC) Under Generation for both the Flex Ramp Sufficiency Test Requirement Calculation Up and Down.
The following changes will be reflected in the Customer Market Results Interface (CMRI) Production environment (UI and API) as of Thursday, June 16, 2022. This report will start publishing data for trade date June 17, a few hours prior to midnight.

NEW CMRI REPORT

CMRI Resource Bid Range Capacity Report

Found under the Real-Time tab.

Provides bid curve direction information that is considered as part of the WEIM Resource Sufficiency Evaluation Bid Range Capacity test.
The following changes will be reflected in the Open Access Same-Time Information System (OASIS) Production environment (UI and API) as of Thursday, June 16, 2022. These reports will start publishing data for trade date June 17, a few hours prior to midnight.

NEW OASIS REPORT

OASIS WEIM RSE Capacity Tests Report

(Screen shot to be added)

ENHANCED REPORT

OASIS Flex Ramp Requirements Inputs and Outputs (WEIM RSE Flexible Ramping Tests) Report

The name of the Flexible Ramp Requirements Inputs report has been updated to Flexible Ramp Requirements Inputs and Outputs. This report will be enhanced to not just provide data on the Resource Sufficiency Evaluation Flex Ramp Sufficiency test inputs but expanded to include Output data as well. New output data will include the following for the T-75, T-55 and T-40 intervals:

- Pass/Fail status
- Load change
- Net load uncertainty
- Ramp capability