



California ISO

Technology User Group (TUG)

March 05 2019

10:00 – 11:00 AM Pacific

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TUG Agenda

| Web Conference Information | | Conference Call Information | |
|----------------------------|---|------------------------------|----------------|
| <i>URL</i> | https://caiso.webex.com/meet/CAISO-TUG | <i>Domestic Call-In</i> | (866) 528-2256 |
| <i>Meeting Number</i> | 966 010 353 | <i>International Call-In</i> | (216) 706-7052 |
| <i>Access Code</i> | 389 588 9 | <i>Access Code</i> | 389 588 9 |

| Topic | Facilitator |
|--|-----------------------------|
| Agenda and Roll Call | Indu Nambiar |
| OASIS – Data Retrieval Issues | Neela Alla / Arul Jayaraman |
| Standardization of time format for data submission | Ajay Mannepalli |
| System Interface Changes | Trang Deluca |

OASIS Production Data Retrieval Issues 2/19-2/26

OASIS contained a functional variance for Groupzip files starting 2/19/2019 that resulted in market participants being unable to retrieve complete price information. The ISO backfilled day-ahead and real-time market price data Groupzip files for trading days between 2/19/2019 and 2/26/2019 HE9. Users should retry the API request for these trade dates.

- Issues encountered:
 - Corrupt files
 - Partial files
 - Empty files
 - Changes implemented:
 - Technology/Infrastructure Upgrade
 - Queue historical requests behind real-time requests.
 - Functional variance for Groupzip files starting 2/19/2019 that resulted in market participants being unable to retrieve complete price information. The ISO backfilled day-ahead and real-time market price data Groupzip files for trading days between 2/19/2019
- NOTE: If this message is returned: “<m:ERR_DESC> GroupZip DownLoad is in Processing, Please Submit request after Sometime</m:ERR_DESC>”, the API file generation process has initiated, and the users must retry the request to retrieve the completely generated file at a later time.
- Observations:
 - The requests are not as per the versions in OASIS Tech Specs published on Caiso.com
 - Future Plans:
 - File storage
 - Queuing
 - With all these changes, there is NO impact to any of the existing reports data or functionality.

Standardization of time format for data submissions & data requests

- ISO is **soliciting feedback** on the idea of using a standard date time format for all B2B data submissions
- Current formats that are accepted:
 - 2019-07-10T00:00:00-07:00 – offset of 7 hours based on Pacific Daylight Time
 - 2019-01-20T00:00:00-08:00 – offset of 8 hours based on Pacific Standard Time
 - 2019-01-20T08:00:00-00:00 – Timestamp in GMT/UTC
 - 2019-07-10T07:00:00Z – Timestamp in GMT/UTC
- Future acceptable formats (to match the response from ISO):
 - 2019-04-20T07:00:00-00:00 – Timestamp in GMT/UTC
 - 2019-04-20T07:00:00Z – Timestamp in GMT/UTC

OR

2019-12-20T08:00:00-00:00 – Timestamp in GMT/UTC
2019-12-20T08:00:00Z – Timestamp in GMT/UTC

System Interface Changes: CMRI

| Release | Project | Change Type | Customer Impact | Customer Action | UI Change | API Service Name & Major Version | MAP Stage | Production Activation | Technical Specifications | Artifacts |
|-------------|---------|-------------|-----------------|------------------|--|--|-------------|-----------------------|--------------------------|-----------------------|
| 2019 | CRR1B | New | CAISO Market | Adopt when ready | Tab: Post-Market New Report: CRR Revenue Adjustment Details | retrieveCRRRevenueAdjustmentDetails_v1 | Mar 2019 | Mar 21, 2019 | 3.8.2 | 1.0 |
| Spring 2019 | CCE3 | New | CAISO Market | Adopt when ready | Tab: Default Bids New Report: Actual Limitation Values | RetrieveActualLimitationValues_CMRIv1 RetrieveActualLimitationValues_CMRIv1_DocAttach | Sep 2018 | Apr 1, 2019 | 3.8.2 | 1.1 |
| Spring 2019 | CCE3 | New | CAISO Market | Adopt when ready | Tab: Default Bids New Report: Resource Opportunity Costs | RetrieveResourceOpportunityCost_CMRIv1 RetrieveResourceOpportunityCost_CMRIv1_DocAttach | Sep 2018 | Apr 1, 2019 | 3.8.2 | 1.1 |
| 2019 | RCSI | New | RC | Adopt when ready | New Tab: Reliability Coordination New Report: Load Forecast | RetrieveRCLoadForecast_CMRI_v1 RetrieveRCLoadForecast_CMRI_v1_DocAttach | Feb 1, 2019 | Sep 1, 2019 | 1.0.0 | 1.1.0 |

System Interface Changes: OMS

| Release | Project | Change Type | API Service Name & Major Version | MAP Stage | Production Activation | Technical Specifications | Artifacts |
|---------|---------|-------------|--|--------------|-----------------------|--------------------------|---------------------------|
| 2019 | RCSI | Modify | RetrieveAvailabilityResults_OMSv2 RetrieveAvailabilityResults_OMSv2_DocAttach RetrieveResourceOutage_OMSv3 RetrieveResourceOutage_OMSv3_DocAttach RetrieveResourceOutageChangeRequest_OMSv3 RetrieveResourceOutageChangeRequest_OMSv3_DocAttach RetrieveTransmissionOutage_OMSv3 RetrieveTransmissionOutage_OMSv3_DocAttach RetrieveTransmissionOutageChangeRequest_OMSv3 RetrieveTransmissionOutageChangeRequest_OMSv3_DocAttach SubmitResourceOutage_OMSv3 SubmitResourceOutage_OMSv3_DocAttach SubmitResourceOutageChangeRequest_OMSv3 SubmitResourceOutageChangeRequest_OMSv3_DocAttach SubmitTransmissionOutage_OMSv3 SubmitTransmissionOutage_OMSv3_DocAttach SubmitTransmissionOutageChangeRequest_OMSv3 SubmitTransmissionOutageChangeRequest_OMSv3_DocAttach | Feb 28, 2019 | Sep 1, 2019 | 2.0 | Artifacts |

System Interface Changes: ALFS, RCBSAP, STLMT

| System | Release | Project | Change Type | API Service Name & Major Version | MAP Stage | Production Activation | Technical Specifications | Artifacts |
|--------|---------|---------|-------------|--|-------------|-----------------------|--------------------------|---------------------------|
| ALFS | 2019 | RCSI | New | SubmitExternalEntity5MinLoadForecast_ALFSv1 SubmitExternalEntity5MinLoadForecast_ALFSv1_DocAttach SubmitExternalEntity15MinLoadForecast_ALFSv1 SubmitExternalEntity15MinLoadForecast_ALFSv1_DocAttach SubmitExternalEntity60MinLoadForecast_ALFSv1 SubmitExternalEntity60MinLoadForecast_ALFSv1_DocAttach | Feb 1, 2019 | Sep 1, 2019 | 1.0.0 | Artifacts |
| RCBSAP | 2019 | RCSI | New | RetrieveRCBaseScheduleResults_RCBSAPv1 RetrieveRCBaseScheduleResults_RCBSAPv1_DocAttach SubmitRCBaseSchedule_RCBSAPv1 SubmitRCBaseSchedule_RCBSAPv1_DocAttach | Feb 1, 2019 | Sep 1, 2019 | 1.1 | Artifacts |
| STLMT | 2019 | RCSI | New | SubmitNetEnergyData_STLMTv1 SubmitNetEnergyData_STLMTv1_DocAttach | TBD | TBD | 1.0 | 1.0 |

Next TUG: Mar 19, 2019

Contact for Questions & Agenda Requests: Indu Nambiar, inambiar@caiso.com

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