

WECC RC Forum October 12, 2018

CAISO, Peak, SPP, AESO, and BC Hydro Steering Group

Meeting Topics

- Multiple Cut Over Dates
- Category 1 – Time Critical Decisions
 - ECC
 - XML EIDE (Load, Generation, Forecast and Outage Data)
 - WIT
 - MAP (Market Alert)
- Category 2 – Agreement in Concept - Decision
 - Western Interconnection Model
 - UFMP
- Category 3 – Discussion of Additional Transition Items
 - Time Error Correction (Monitor)
 - UDSA vs ORD
 - RAS / GIS Data Sharing
 - Data Submission to WECC / NERC
 - Retention and Storage of historical data

Multiple Cut-Over Dates

- Peak identified a concern regarding the fall 2019 multiple RC transition dates
 - CAISO 7/1/19
 - BCH 9/2/19
 - CAISO 11/1/2019
 - SPP 12/1/19 (earliest date)
- Fewer dates would remove some risk associated with shadow operations, certification; common tools, data transfers, coordinated site visits with NERC and WECC
- SPP requires 15 months to implement RC services
- BAs in CAISO RC area concerned about dates later than November 1, 2019

Specific concerns include:

- Four cycles of procedure development, training and shadow operations
- Four system/tool updates to address data transfers, monitoring, alarming, and contingencies
- Four cycles of readiness activities for Peak

Action Items:

- Sub-Committee formed to develop a staging and coordination plan for Shadow Operations with Peak
- Future RCs to review internally if a common cutover date can be supported

ECC – Category 1 Decision

Recommendation:

- 2019: Peak RC continue to hold the ECC contract until Peak terminates its RC function
 - RCs to lead decision to choose the option to meet IRO-006-WECC-2 with assistance from the ECC Task Force
- DTBD Q4 2019: ECC to be integrated with CAISO EMS system with network model that represent Western Interconnection

Decision:

- SPP and CAISO agree with recommendation; AESO and BCH do not use ECC

Action Items:

- RC jointly work with OATI on change orders to support multiple RC approval and WebIntegrity alerts
- RCs to check – OATI agreeable to multiple RC signatures

XML EIDE Load, Generation, Forecast and Outage Data Exchange Format – Category 1 Decision

Recommendation:

- 2019: Peak RC continue to be the data repository for Western Interconnection until Peak terminates its RC function
 - Recommend Peak to continue to work with CAISO and SPP to minimize change in Peak COS and impact to BA/TOP
- DTBD Q4 2019: CAISO serves as the data repository for Western Interconnection for both outage and forecast data
- Each RC obtain interchange forecast data from WIT

Decision:

- SPP, AESO, BCH, CAISO agree on recommendation and pulling interchange data from WIT
- Each RC to obtain load, generation, forecast and outage data from their participants then send to CAISO in an agreed upon format (xml).
- CAISO will become a hub for all submitted data for each RC to pull data from

Action Items:

- Sub-Committee: determine daily submission deadline prior to shadow operations periods
- WECC to review current requirement to have expected energy profile of dynamic schedules in the Day Ahead

WIT – Category 1 Decision

Recommendation:

- 2019: Peak RC continue to hold the WIT contract and RCs jointly lead the decision to choose the option to meet the need for multiple RC
- DTBD Q4 2019: CAISO holds WIT contract and manages administrative processes.

Decision – On Hold

Discussion:

Option 1: One RC maintains the contract and all data (such as after the fact data)

Option 2: Multiple RCs maintain separate contracts data for BAs within their RC areas

Option 3: one BA (potential concerns from some BAs given the interconnection wide data will be available to a single BA)

Option 4: WECC (not in position to take ownership of tool and administration)

Action Item:

- WEIL Task Force to gain broader perspective of Options from BAs
- RCs to verify if multiple contract through OATI is viable
- Peak to provide overview of WIT support activities and data inputs
- Sub-committee to develop a governance document for decisions and cost of shared tool changes

MAP (Merchant Alert Protocol) – Category 1 Decision

Recommendation:

- CAISO can support MAP
- In order to support MAP, OATI webSmartOASIS need to be modified to interface with each RC's messaging tools
- Recommend each RC work with BA/Transmission Service Provider currently using OATI webSmartOASIS to make the modification in OATI application to interface with the RC

Decision:

AESO and BCH do not use this feature; SPP and CAISO agrees with recommendation

Action:

- SPP will verify with their participants if they want this feature

Western Interconnection Model

Category 2 – Agreement in Concept - Decision

Recommendation:

- 2019: Peak continues to maintain WSM for its use in its EMS and ECC
- DTBD Q4 2019: CAISO builds (stiches), maintains, validate and shares Western Interconnection EMS Network Model.
 - Each RC will submit their model to CAISO in CIM15XML format
 - CAISO will make available a validated Western Interconnection EMS Network Model to all RCs in CIM15XML format
 - Each RC to validate their portion of the model once received

Decision:

SPP, CAISO, BCH and AESO agreed this decision

UFMP – Category 2 – Agreement in Concept - Decision

Recommendation:

Creation of specific operating procedure to memorialize

- July 1, 2019:
 - CAISO will manage and approve UFMP step 4 for Path 66 through the use of the ECC tool
 - Peak will manage and approve UFMP step 4 for Path 30,31 and 36 through the use of the ECC tool
 - Coordination of Phase Shifter operations will be done by Peak to ensure that movement of Phase Shifters under Peak's jurisdiction does not adversely impact or create SOL exceedance anywhere in the Western Interconnection

- DTBD Q4 2019: (when SPP becomes RC):
 - CAISO will manage and approve UFMP step 4 for Path 66 through the use of the ECC tool
 - SPP will manage and approve UFMP step 4 for Path 30,31 and 36 through the use of the ECC tool
 - CAISO and SPP will coordinate the use of Phase Shifters in their RC areas to ensure that movement of Phase Shifters under each other's jurisdiction does not adversely impact or create SOL exceedance anywhere in the Western Interconnection

Decision:

CAISO, SPP, AESO and BCH agree with this decision

Action Item:

CAISO and SPP to develop effective coordination plan, table top exercises

Time Error Monitor – Category 3 Discussion

- Recommendation:
- 2019: Peak continue to monitor Time error and administer the daily messages and process to update WIT until Peak terminates its RC function
- DTBD Q4 2019: Rotate time error process between SPP and CAISO

Discussion:

Option 1: Time Error monitor stays in one RC

Option 2: Time error monitor is being rotated amongst RCs

CAISO and SPP agree that the rotation concept is viable

Action Items:

- Sub-committee: ISO, Peak, SPP, to consider time error impacts on WIT
- SPP and CAISO to develop rotation process proposal
- Review proposal with RC – RC Coordination team for evaluation

UDSA vs. ORD

- CAISO, AESO, BCH support the UDSA; not the ORD
- SPP currently requires BA/TOP in its RC area to sign ORD. SPP is a current signatory to the UDSA
- CAISO is drafting modification to the UDSA to support the transfer from Peak in Q4 2019
- Approx. 12 entities have signed ORD and may be unsure about signing a new version of the UDSA
- UDSA has controls on who can get data; 80% approval requirement for anyone else to have access.
- UDSA facilitation of gas pipelines to have access to some data
- Concerns raised about data sharing under two separate agreements across seams or among TOPs within separate RCs

Action Items:

- CAISO will share changes with the RC team within the next week
- SPP to work with their RC customers to determine if they will sign the new version of the UDSA

Sharing RAS, Lat. / Long. GIS Data – Category 3 Discussion

- A significant amount of RAS and GIS data that is labeled as the highest level of protection
- Some Entities do not believe the UDSA covers this additional protection needed to share data.
- NERC: RAS will be specifically looked at during certification

Action Items:

- Entities will work with other future RCs who will need RAS and GPS data on separate agreement
- Peak to Provide a list of all RAS and Non RAS automatic schemes in the RC areas
- SPP to check Entities in there RC are to verify if they have the same level of protections on RAS and GPS data.

Data Submission to WECC and NERC – Category 3 Discussion

- There are a subset of data that is sent by Peak to NERC directly for the use of SAFNR; section 800 of the ROP
- WECC obtains the information from NERC on events
- There is daily information provided by Peak to WECC; SPP, ISO, AESO and BC will have to provide the information; WECC has multiple contacts to obtain information

Action Item:

- Sub-committee formed to discuss data submission to WECC and NERC
- WECC / NERC to document data, reports and access required

Next Steps

- RC – RC Coordination team to meet on approximately two week intervals
- Update and Close-out action items
- Further discussion on Category 3 items