

## Enhanced Curtailment Calculator Working Group Meeting

June 5, 2020  
Teleconference

### **SUMMARY OF ACTION ITEMS**

1. Dede Subakti (RC West) to draft a CO for alarming during model uploads of critical mappings.
2. Robin Chung (BPA) to draft a reference guideline/document on the curtailment process in step four.
3. Ashley Stringer (SPP) to email the group regarding assignments of issue two.

## ECCWG MEETING

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# MINUTES

### AGENDA ITEM 1 – INTRODUCTIONS

The meeting was called to order at 9:35 a.m. CST. The following participants were in attendance:

Shane Messano (WAPA)  
Kathee Downey (PAC)  
Keith Carman (TSGT)  
Brett Gruesner (XCEL – Proxy for Kevin Pera)  
Robin Chung (BPA)  
Jim Price (CAISO)  
Larry Bellnap (CAISO)  
Zea Flores (WAPA)  
Jeremy West (TSGT - Proxy for Kerri Schlachter)  
Asher Steed (BC RC)  
Dede Subakti (RC West)  
Nelson Muller (OATI)  
Yasser Bahbaz (SPPW)  
Ashley Stringer (SPP)  
Kendall White (SPP)  
Scott Brown (SPP)

Raj Hundal (PWX)

Robert Pick (NPPD)

Quorum was established.

## **AGENDA ITEM 2 – REVIEW AND APPROVE 4/28/20 & 5/15/20 MINUTES**

Shane Messano (WAPA) asked for a motion to approve the 4/28/20 and 5/15/20 minutes. Jim Price moved to approve, Keith Carman seconded.

## **AGENDA ITEM 3 – RC EXECUTIVE COMMITTEE UPDATE**

Shane Messano (WAPA) gave an update to the group regarding the May 21, Western Interconnection RC Executive Committee (WIRCEC) meeting. Messano informed the RC EC about the cancellation of all in-person ECCWG meetings for the remainder of 2020, as well as the anticipation of one outstanding Change Order (95% ECC messages) that will be brought to the RC EC soon.

## **AGENDA ITEM 4 – UPDATE ON TESTING SCHEDULE FOR APPROVED CHANGE ORDERS**

There are currently two approved Change Orders under development at OATI. One is the configurable shift factors and the other is the MW column total addition for one of the ECC reports. There is currently no date on when these will be available in the demo ECC environment. Once available, Dede Subakti (RC West) will update the group on the testing schedule.

## **AGENDA ITEM 5 – QUOTE UPDATE ON 95% ECC MESSAGE**

The quote for this Change Order is still pending. Dede Subakti (RC West) will update the group when received.

## **AGENDA ITEM 6 – ECC MAPPING**

During the June 4, UFC meeting there was discussion surrounding curtailments in step four on the COI. Dede Subakti (RC West) explained to the group that there was a model update where the correct mappings were lost and caused schedules that flow over the DC ties to be curtailed. Subakti brought the issue to the ECCWG to discuss prioritization and preventative measures for mappings in ECC. The group defined critical mappings as DC ties, DC lines, and Phase Shifters. Subakti took an action item to draft a Change Order for implementing alarming during model uploads of critical mappings.

Many members of the ECCWG, as well as RC West and CAISO, received questions regarding what schedules get cut and ones that should not in this scenario. Since curtailments on COI are rare, this is an area that could use more education. Robin Chung (BPA) took an action item to draft a guidance document on the proper curtailment process expected in step four (i.e. what should be cut and what should not be).

## **AGENDA ITEM 7 – CONTINUE SEAMS/STRATEGIC DISCUSSION**

The working group began review of the open issues list that were documented during the March strategic session. Issue 7, #2 - PST methodology to prevent curtailments has lost effectiveness (going straight to step four), was the starting point for discussions. The group discussed the WECC USF Reduction Guideline (Section 7c), and how it previously documented the intent of this issue. Additional conversations centered around potentially building logic within ECC on PST coordination as well as new effectiveness qualifications on an SOL basis rather than path basis. The group elected to begin assigning work for Issue #2, via email. Ashley Stringer (SPP) took an action item to do so.

### **Issue #1: Tariff Issues**

1. Path vs SOL
2. Filing issues
3. SOL Methodology
4. Capital recovery
5. Applicable entities in the plan does not account for markets and changing environments.
6. The plan does not have a mechanism to validate data (applicable entity, PST, O&M, etc.)
  - a. Not consistent
7. No enforcement mechanism (who is the police)
  - a. Potential NERC standard changes
8. Guidelines do not match current practice
9. Simplify the PY to current year (better reflect the true year)

### **Issue #2: Curtailment Philosophy Issues**

1. Basic issue is that you are curtailing firm transactions but not GTL that is not tagged.
2. Evaluate tagged or untagged GTL serving transactions should be exposed to curtailments or redispatch during a UFMP event.
  - a. **Bring back the review at UFC**
3. Pseudo ties and dynamic schedules are not getting curtailed (need to revisit the impacts here)
4. Tool does not calculate relief amount (what is the GTL contribution)

5. The plan does not preclude the use of curtailments when flows are well below the limit (voltage issues, etc.)
  - a. **Whitepaper for 1-5 on the curtailment philosophy**
6. Reevaluating the curtailment threshold (current is 10%)
  - a. **Separate analysis needed**
    - i. **Should look at TDF**
    - ii. **Generation serving the load within a BA**
  - b. Relief amount requested is not in the methodology (ECC tool needs to do these calculations)
    - i. Tags do not equal actuals (dynamics)
    - ii. Tool does not calculate relief amount (what is the GTL contribution)
7. Transmission rights preservation (?)
  - a. Transmission Service used for GTL.
  - b. TS is maintained in markets or non-markets
  - c. **Write up the principle and objective, as well as how it is maintained**

### **Issue #3: Path vs SOL**

1. More than UFMP needs relief
  - a. "any" element not just four paths
    - i. Elements need to qualify
    - ii. Elements need to be defined
  - b. Untagged flow not captured
2. Flow can be curtailed when the path is not at 95% loading
3. Path qualification requirements
4. Actual Flow must reach a level greater than or equal to 95 percent of the SOL or Path's TTC, with Actual Flows greater than the Scheduled Flows by an amount of 2 percent of the Qualified Transfer Path SOL or 25 MW, whichever is greater. This is not in the tariff.
5. Over curtailment (if element is at 95% but the path is not) - Using proxy paths.

### **Issue #4: Timing Issues**

1. Interaction between UFMP curtailments and needed relief in hour
2. This is only a next-hour process that uses current hour information
3. Timing of step four is limited (only 10 minutes for assessments). Waiting until after the current ramp to end to do the assessment

### **Issue #5: Tool Issues**

1. Input model is limiting or incomplete
2. The ECC does not consider PST optimization
  - a. PST optimization methodology is not defined

3. Cannot terminate a USF event and have tag reloads (no one has rights to reload with the way the curtailments happen)
4. You cannot edit a USF event
5. New Change Order proposal: Generator matrix coordinated against the elements/paths for merchant side transparency
6. New Change Order proposal: Any new or adjusted tags held through the event

**Issue #6: Compensation methodology**

7. Cost methodology for PST usage
8. Cost causation is not used
9. Plan uses old data from applicable entities, and old O&M data from QCDs

**Issue #7: Goals & Objectives/Miscellaneous**

1. Discuss changing the degree per MW for effectiveness factors to degree per tap.
2. PST methodology to prevent curtailments has lost effectiveness (going straight to step four)
3. The Plan is voluntary for QPs and QCDs
4. Need to consider elements in both directions
5. UFMP was originally created for unscheduled flow (loop flow). This looks Western Interconnection wide.
6. Reliability tool using marketing function to solve reliability issues
7. GOALS:
  - a. Include reliability and equity
  - b. Include a compensation mechanism
  - c. Local market picks up PST compensation?

**AGENDA ITEM 8 – REVIEW ACTION ITEMS**

See Page 1.

**AGENDA ITEM 9 – FUTURE MEETINGS**

June 19, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
July 10, 2020*	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
July 31, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
August 21, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference

September 4, 2020	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
September 18, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
October 2, 2020**	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
October 16, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
November 6, 2020	9:30 a.m. – 10:30 a.m. (CDT)	Teleconference/Check-in
November 20, 2020	9:30 a.m. – 11:30 a.m. (CST)	Teleconference
December 11, 2020	9:30 a.m. – 11:30 a.m. (CST)	Teleconference

\*NAESB session

\*\*Discuss scheduling 2021 meetings.

## ADJOURNMENT

The meeting was adjourned at 11:33 a.m. CDT.

Respectfully Submitted,

Ashley Stringer

Sr. Operations Analyst