

## Enhanced Curtailment Calculator Working Group Meeting

April 28, 2020  
Teleconference

### **SUMMARY OF ACTION ITEMS**

1. Email vote for past meeting minutes and open seat (Complete).
2. Bring back UFMP event review at the UFC.
3. Develop whitepaper on curtailment philosophy.
4. Separate analysis needed on curtailment threshold.
5. Write up the principle and objective, as well as how it is maintained for transmission rights preservation.

## ECCWG MEETING

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## MINUTES

### AGENDA ITEM 1 – INTRODUCTIONS

The meeting was called to order at 9:33 a.m. CST. The following participants were in attendance:

Dede Subakti (RC West)

Steve Ashbaker (WECC)

Kevin Pera (XCEL)

Keith Carman (TSGT)

Shane Messano (WAPA)

Igor Kormaz (TST)

Brett Gruesner (XCEL)

Robin Chung (BPA)

Jim Price (CAISO)

Alycia Kramer (Basin)

Kokou Agbassekou (CAISO)

Nelson Muller (OATI)

Yasser Bahbaz (SPP)

Ashley Stringer (SPP)

Zea Flores (WAPA)

Kerri Schlachter (TSGT)

Asher Steed (BC RC)

Scott Brown (SPP)

William Ragsdale (SPP)

Quorum was not established.

## **AGENDA ITEM 2 – REVIEW AND APPROVE 3/20/20 MINUTES**

Due to lack of quorum, an email vote will take place.

\*Update: After the call, the working group members voted unanimously to approve the 3/20/20 meeting minutes.\*

## **AGENDA ITEM 3 – OPEN MEMBERSHIP SEAT**

Jason Smith's SPPW RC seat is now vacant. Kevin Pera (XCEL) has been nominated. Due to lack of quorum, an email vote will take place.

\*Update: After the call, the working group members voted unanimously to elect Kevin Pera to the SPPW RC seat.\*

## **AGENDA ITEM 4 – CONTINUE SEAMS/STRATEGIC DISCUSSION**

The group discussed the path operators' decisions in issuing events in today's shift from path to SOLs. CAISO provided examples of its practices as outlined in the WECC path catalog. WAPA also reviewed their process and the path catalog points to the TOT3 operating matrix. The long-term plan should be to use ECC for the elements and not just on qualified paths, but the ECC tool is not sophisticated enough to do this currently. The group will continue to discuss.

The group continued to review the list of identified issues from the joint ECCWG/UFC 3/3/20 strategic meeting. The decision was to begin identifying how to mitigate each issue. The group reviewed issue #2, curtailment philosophy issues and determined the need to bring back regular UFMP event reviews at the UFC, the need for a whitepaper on curtailment philosophy, additional analysis on the curtailment threshold, and the need for a principles document on transmission rights preservation.

### **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**

6. Basic issue is that you are curtailing firm transactions but not GTL that is not tagged.
7. 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**
8. Pseudo ties and dynamic schedules are not getting curtailed (need to revisit the impacts here)
9. Tool does not calculate relief amount (what is the GTL contribution)
10. 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**
11. 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)
12. 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 5 – REVIEW ACTION ITEMS**

See Page 1.

**AGENDA ITEM 6 – FUTURE MEETINGS**

May 15, 2020*	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
June 19, 2020	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
July 30, 2020	12:00 p.m. – 5:00 p.m. (PDT)	Portland
July 31, 2020	8:30 a.m. – 12:00 p.m. (PDT)	Portland
August 21	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
September 16, 2020	12:00 p.m. – 5:00 p.m. (MDT)	TSGT
September 17, 2020	8:30 a.m. – 12:00 p.m. (MDT)	TSGT
October 16 <sup>th</sup>	9:30 a.m. – 11:30 a.m. (CDT)	Teleconference
November 18	8:30 a.m. – 5:00 p.m. (PST)	Folsom
December 11 <sup>th</sup>	9:30 a.m. – 11:30 a.m. (CST)	Teleconference

\*Work on budget

**ADJOURNMENT**

Shane adjourned the ECCWG at 11:25 a.m. CST.

Respectfully Submitted,

Ashley Stringer

Sr. Operations Analyst