

Enhanced Curtailment Calculator Working Group Meeting

September 21, 2020
Teleconference

SUMMARY OF ACTION ITEMS

1. Ashley to send an email vote for the 7/31/20 meeting minutes.
2. Kokou Agbassekou to follow up with OATI on the admin for the Configurable Shift Factor CO.
3. Dede Subakti to request a quote from OATI on the competing path CO. (pending)
4. Ashley to send an email vote for the 95% CO language.
 - a. Once approved, Dede will submit to OATI.
5. Dede to put together the CO for the alarming during model uploads of critical mappings (HVDC, QD, QP) (pending)
6. Follow-up with OATI on pointing to SPP's website for the curtailment methodology. (pending)
7. Jim Price to draft language on alternate actions. (pending)
8. Ashley, Kathee, and Shane to discuss meeting materials for the ECCWG update at the October WECC OC meeting.

ECCWG MEETING

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MINUTES

AGENDA ITEM 1 – INTRODUCTIONS

Ashley stringer (SPP) called the meeting to order at 1:35 p.m. CST. The following participants were in attendance:

Kathee Downey (PAC)

Zea Flores (WAPA)

Asher Steed (BC RC)

Kevin Pera (XCEL)

Robin Chung (BPA)

Jim Price (CAISO)

Larry Bellnap (CAISO)

Jeremy West (TSGT)

Ashley Stringer (SPP)

Yasser Bahbaz (SPP)

Brett Gruesner (XCEL)

David Kelley (SPP)

Igor Kormaz (TSGT)

Dede Subakti (RC West)

Richard Tran (SPP)

Will Ragsdale (SPP)

Scott Brown (SPP)

Shane Ripley (BPA)

Kokou Agbassekou (CAISO)

Steven Johnson (SPP)

Quorum was not established.

AGENDA ITEM 2 – APPROVE 7/31/20 MEETING MINUTES

Due to lack of quorum, a motion to approve the 7/31/20 meeting minutes was not made. An email vote will take place.

AGENDA ITEM 3 – PREVIOUS ACTION ITEMS

1. Ashley to send the link to ECC demo to the group. (complete)
 - a. Additional discussion regarding pending testing for the Configurable Shift Factor CO was discussed. Dede let the group know that the CO appears to have given admin rights to OATI and not the vendor manager. Kokou Agbassekou took an action item to get more information from OATI.
2. Dede Subakti to request a quote from OATI on the competing path CO. (pending)
3. Ashley to send 95% CO language to Zea.
 - a. The group will vote via email for the 95% CO (pending)
4. Dede to put together the CO for the alarming during model uploads of critical mappings (HVDC, QD, QP) (pending)
5. Follow-up with OATI on pointing to SPP's website for the curtailment methodology. (pending)
 - a. ECCWG to review the curtailment methodology and we can vote on a final document before posting. (pending)

6. Jim Price to draft language on alternate actions. (pending)

AGENDA ITEM 4 – UPDATE FROM WIRCEC MEETING ON 9/9/20

Kathee Downey (PAC) provided an update to the group from the 9/9/20 Executive Committee meeting. Of interest, the WIRCEC has agreed to vote on Change Orders via email that are needed outside of the regularly scheduled quarterly meetings. The ECCWG will submit the 95% CO language to the WIRCEC once approved by the membership.

AGENDA ITEM 5 – CURTAILMENT METHODOLOGY DRAFT

The curtailment methodology is still in draft form, pending some additional verbiage from Jim Price. Once approved, Ashley and Dede will work with OATI on options for posting the document or its location within ECC.

AGENDA ITEM 6 – CONTINUE SEAMS/STRATEGIC DISCUSSION

The group elected to postpone further discussion on strategic items until a future meeting. The list of items will remain in the minutes for further review by the group.

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 7 – REVIEW ACTION ITEMS

See Page 1.

AGENDA ITEM 8 – FUTURE MEETINGS

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

**Discuss scheduling 2021 meetings.

ADDITIONAL DISCUSSION

Kathee Downey (PAC) reminded the group of the October WECC OC meeting in which the ECCWG will provide an update. Ashley will work with Kathee and Shane offline to develop presentation materials.

ADJOURNMENT

The meeting was adjourned at 2:08 p.m. CDT.

Respectfully Submitted,

Ashley Stringer

Sr. Operations Analyst