

Enhanced Curtailment Calculator Working Group Meeting

December 16 - 17, 2019

Face-to-face meeting – WAPA offices, Phoenix

SUMMARY OF ACTION ITEMS

1. Continue to discuss what merchant communications ECC needs to provide going forward.
2. SPP/CAISO build mapping tables pre-February model upload for post model validations.
3. Ashley Stringer to clean-up charter and send out to group for email vote on 12/23.
4. Shane Messano to forward approved charter to Executive Committee.
5. Shane to present the CO budget and OATI attendance budget to the EC.
6. RCs to present COs for outstanding variances # 11, 15, & 21.
7. Shane Messano or Kathee Downey to present an ECCWG update at the February 20 OC.

ECCWG MEETING

December 16 -17, 2019
Face-to-face meeting – WAPA offices, Phoenix

MINUTES

DAY ONE – 1:00 P.M. – 5:00 P.M.

AGENDA ITEM 1 – INTRODUCTIONS

The meeting was called to order at 8:30 a.m. MST. The following participants were in attendance:

Dede Subakti (RC West)
Jim Price (CAISO)
Yasser Bahbaz (SPP)
Ashley Stringer (SPP)
Maude Grantham-Richards (TSGT)
Jason Smith (PSCO)
Larry Bellnap (CAISO)
Shane Messano (WAPA)
Keith Carman (TSGT)
Zea Flores (WAPA)
Kerri Schlachter (TSGT)
Richard Tran (SPP)
Robyn Chung (BPA)
Kathee Downey (PAC)

Steve Ashbaker (WECC)

AGENDA ITEM 2 – WEBECC TRANSITION

Yasser Bahbaz (SPPW) gave an update on the webECC transition that took place on 12/3/19. Overall, the transition went well. The RC transition itself was non-eventful. Two primary issues identified with webECC cutover: 1) performance time was lagging. OATI is aware and performance is better now. OATI attributed it to high loading/users. The group will need further discussions with OATI on what high loading means. This potentially could be attributed to webIntegrity and webECC running in parallel. 2) the production curtailment event did not work. Users and the RC had to rerun the test the second hour of the transition call where OATI was able to successful correct the issue.

During discussions, WAPA expressed that RCOMM does not have communication with the merchants so several merchants were not aware of the test during the transition. Per instruction from SPPW working groups, RCOMM was not designed to send messages to merchants. The assumption is that the BA will communicate needed information to the merchant entities. Many during the meeting expressed that the BAs will not call the merchants. The group discussed how to properly send notifications regarding ECC going forward and took this as an action item to discuss further.

The group briefly discussed the GSP mapping issue in webECC. This issue has impacts for curtailments. The group decided to table this discussion until the UFC meeting. CAISO will begin using SPP's network model on February 20, 2020. The RCs took an action item to build out mapping tables pre-February upload for post upload validations.

AGENDA ITEM 3 – CHARTER REVIEW

The group continued to review its charter. Asher Steed (BC RC), pointed out the RC Executive Committee charter, Section 4 - Scope of Activities (h) states that the RC EC will review and approve the ECCWG charter and it may be premature to elect a chair and vice-chair pending the EC's review. Keith Carman (TSGT) expressed concern for not seeing RC EC drafts and not getting a seat on the EC as a funding member, to start this process for ECCWG. Jason Smith (PSCO) expressed the same position. The group brings these issues up at this forum due to a lack of ability to do so at another meeting. The group has concerns over not having the final say on Change Order recommendations. There are also concerns with not having access to the legal documents that involve ECC.

AGENDA ITEM 4 – MEMBERSHIP DETERMINATION

The group discussed membership and determined 11 seats for the working group.

Day one activities concluded at 5:05 p.m. MST.

DAY TWO – 8:30 A.M. – 12:00 P.M.

INTRODUCTIONS

The meeting was called to order at 8:38 a.m. MST. The following participants were in attendance:

Dede Subakti (RC West)
Jim Price (CAISO)
Yasser Bahbaz (SPP)
Ashley Stringer (SPP)
Maude Grantham-Richards (TSGT)
Jason Smith (PSCO)
Larry Bellnap (CAISO)
Shane Messano (WAPA)
Keith Carman (TSGT)
Zea Flores (WAPA)
Kerri Schlachter (TSGT)
Richard Tran (SPP)
Robyn Chung (BPA)
Igor Kormaz (TSGT)
Kathee Downey (PAC)

AGENDA ITEM 4 – MEMBERSHIP DETERMINATION

The group picked up discussions in day two regarding membership. Representatives for each seat were selected. The group elected Shane Messano (WAPA) as Chair, with Kathee Downey (PAC) being selected as Vice Chair.

| Seat Number | Representation | |
|-------------|--|---------------------------------|
| 1 | SPPW RC area | Kerri Schlachter (TSGT) |
| 2 | SPPW RC area | Jason Smith (PSCO) |
| 3 | RC West RC area | Jim Price (CAISO) |
| 4 | RC West RC area | Robyn Chung (BPA) |
| 5 | BC RC area | Asher Steed (BC RC) |
| 6 | BC RC area | TBD |
| 7 | Qualified Owners and Operators (QOO) | Larry Bellnap (CAISO) |
| 8 | Unscheduled Flow Committee (UFC) | Zea Flores (WAPA) |
| 9 | WECC Market Interface Committee (MIC) member | Kathee Downey (PAC), Vice-Chair |
| 10 | WECC Operating Committee (OC) member | Keith Carman (TSGT) |
| 11 | Purchasing Selling Entity (PSE) | Shane Messano (WAPA), Chair |

Asher Steed (BC RC) to fill the BC RC second seat by the January meeting. Ashley Stringer (SPP) will send the charter out to the group for one last review this week, with an email approval expected on 12/23/19. After approval, Shane Messano will forward to the Executive Committee for approval.

AGENDA ITEM 5 – CHANGE ORDER PRIORITIZATION

The group discussed ECC budgeting and the expected expenditures for 2020. The group reviewed the outstanding 28 open variances/issues with the tool and determined a \$200K budget would be requested at the Executive Committee. Additionally, the group discussed budgeting surrounding OATI’s attendance at ECCWG meetings. Six in-person meetings were estimated to cost \$12K. Shane Messano will present this budget justification and OATI attendance budget at the next available Executive Committee meeting.

The group continued to review the variance/enhancement list and assigned the RCs to present their items as Change Orders at the January meeting.

AGENDA ITEM 6 – REVIEW ACTION ITEMS

See Page 1.

AGENDA ITEM 6 – FUTURE MEETINGS

| | | |
|---------------------------|------------------------------|------------------|
| January 17, 2019 | 9:30 a.m. – 11:30 a.m. (CDT) | Teleconference |
| February 19, 2019 | 12:00 p.m. – 5:00 p.m. (PST) | McCarran Airport |
| February 20, 2019 | 8:30 a.m. – 12:00 p.m. (PST) | McCarran Airport |
| March 13, 2020 | 9:30 a.m. – 11:30 a.m. (CDT) | Teleconference |
| April 27, 2020 | 12:00 p.m. – 5:00 p.m. (MDT) | PSCO |
| April 28, 2020 | 8:30 a.m. – 12:00 p.m. (MDT) | PSCO |
| 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 th | 9:30 a.m. – 11:30 a.m. (CDT) | Teleconference |
| November 18 | 8:30 a.m. – 5:00 p.m. (PST) | Folsom |
| December 11 th | 9:30 a.m. – 11:30 a.m. (CST) | Teleconference |

*Work on budget

While discussing the schedule and other working group meetings, the group agreed to give an ECCWG and UFC update at the MIC OC at the February 20, 2020 meeting in the afternoon. Steve Ashbaker was in attendance to get that added to the OC agenda. Shane and Kathee will work out the details of who will present.

Agenda expected for 1/17/20: Review CO (Dede or Yasser), review any comments on final charter and/or EC updates, review OC presentation

Agenda expected for 2/19/20: Review COs, UFC presentation on COs, New business, Potentially EC update from chair.

ADJOURNMENT

Shane adjourned the ECCWG at 11:20 a.m. MST.

Respectfully Submitted,

Ashley Stringer

Sr. Operations Analyst

| Issue | Short Description | Comments | OATI | Additional Comments |
|--------|--|--|--|---|
| 107527 | USF: Competing Path e-Tag with Negative Factor adds to Relief Required | Peak recommends sharing issue with ECCWG | Require review and approval by ECCWG. Assess impacts from standards. | <p>JeremyW 05/09/2017 11:44 On a May 4th webinar with ECCTF and UFAS, Peak covered the UFMP functionality in ECC and talked about the competing path logic. For the competing path where an e-Tag has a negative factor, the stakeholders suggested that the counterflow amount should be added to the relief required. For example:</p> <ol style="list-style-type: none"> 1. Path 36 Tag Factor +25% on 100 MW tag 2. Path 66 Tag Factor -5% on 100 MW tag 3. Both paths want 100 MW relief 4. Since Path 66 is losing 5 MW from tag curtailment, relief required should ask for 105 MW relief <p>OATI and Peak can discuss this as an enhancement after UFMP functionality is successfully moved to webIntegrity.</p> |
| 107598 | USF: NULL GDF for small BAs with disconnected generators | | Could be model related. Open for discussion. | <p>tellis 10/29/2018 14:59 Future enhancement. Keep open.</p> <p>NongL 05/12/2017 10:36 For small BAs (ie: GRID/HGMA) with generators that may all get disconnected will result in a GDF of NULL. AS a result, the tags Sourcing/sinking in these BA's will not be included in the USF Procedure Report or Transaction Contribution display. These BAs also do not have loads to substitute NULL GDFs.</p> <p>PEAK to further review and provide feedback.</p> |
| 102586 | USF SAT: Post-USF Event Tags not showing transmission priority | Peak recommends sharing issue with ECCWG only. | This is for information purposes only. No changes in logic. | <p>NongL 09/28/2016 08:21 Issue identified during USF structure acceptance testing (9/19-9/23).</p> <p>Enhancement: (Post-USF Event Tags not showing transmission priority). The tags on the right hand table are accounted for in the Priority group but not easily identifiable in priority group. To be further discussed with POs on preference.</p> |
| 102589 | USF SAT: Prepopulate On Path Schedule MW | Peak recommends sharing issue with ECCWG | Enhancement: Prepoluate with sum of all on-path schedules on the QP. | <p>NongL 09/28/2016 08:33 Issue identified during USF structure acceptance testing (9/19-9/23).</p> <p>When issuing a USF, Peak suggested that the "On Path Schedule MW" field be automatically populated.</p> <p>Enhancement – Prepopulate MW. Peak would have to provide additional data to populate "On Path Schedule MW" field.</p> |
| 110848 | USF Events - Competing Paths Issue | Peak recommends sharing issue with ECCWG | <p>Submission of lowest tag reliability profile.</p> <p>Will require review and approval by ECCWG. Assess impacts from standards.</p> <p><i>Additional document available.</i></p> | <p>tellis 09/14/2017 10:45 During some recent USF Step 4 events, the relief provided did not meet the relief required or requested. Peak believes that this issue arises due to curtailment messages being sent from both Paths for the same tag. In some cases, one path wants the tag completely curtailed, while the other Path has the same tag in the marginal priority bucket. If the marginal bucket curtailment message is approved second, then the other Path will not receive the full relief requested. Peak wants to pursue an enhancement to queue and send the curtailment message once for the lowest relief required.</p> |

3 (PSE) - UFC

UFC - 2 with additional review

5 - UFC

2 - UFC

2 - UFC