EEB Evaluation Committee Monthly Meeting Agenda – Revised

MONDAY March 13, 2023 – 10:00-12:00

ALL VIRTUAL MEETING – NO MEETING ROOM (recordings posted)
Meeting Materials

New Link: Join Zoom Meeting - https://us02web.zoom.us/j/2534751779
Phone in: 408/638-0968, Meeting ID: 253 475 1779
Backup only -**Call-In Number: 303/900-3524; WEB Access:** **www.uberconference.com/skumatz**
Join link with video only. *USE PHONE (NOT COMPUTER) FOR VOICE, AND MUTE WHEN NOT SPEAKING*
(Backup number – only if primary # doesn't work – https://zoom.us/j/2534751779; and use computer for voice.

COMMITTEE MEETING MINUTES

Attendance: Fay*, Viglione*, McMillan*, Alim, Chaudhry, Khan, Shubida, Errichetti, Wirtshafter, Prahl, Skumatz, Jacobs, Kroll, Sherwood, Reed, Mosenthal, Leigh Michael, Dan Robertson, Jenarus Investments (Pete Carlson, energy store), Jobson/Skudder (didn't provide details), Tim Faburien (CMC energy), John (did not provide last name or company) , J.David Wright, LLC (building science & innovation), Michele Long (Energy Management Authority), Mike Weissman (late, didn't provide firm name).

1. **Call to Order 10:04.**

2. **Introduction by Ben McMillan from DEEP**

3. **Public Comment**
    a. Dan Robertson: Topic / Evaluation Legislative Report comments provided in email and summarized in meeting. Suggests more graphics, benefits up front, and others.

4. **Minutes and invoices and evotes**
    a. February Minutes – already distributed & evoted in February per FOIA
    b. Invoices to be circulated separately for evote

5. **Committee Review of Memos related to Conditions of Approval / Data etc.**
    a. Memos Review / approval of 2 memos regarding the utilities (ES & UI) meeting performance deadlines on data request delivery time / quality, and PO / contracting turnaround per DEEP 2021 Plan Conditions of Approval #10.   Need Committee approval before sending to EEB and then to DEEP.
        • ==**Passed – move documents on to EEB**==: Motion / Second by Fay / Viglione to approve and move the 2 memos forward to EEB. Both in Favor. McMillan from DEEP Abstained. (also noted below in "voting" summaries at the end of each set of minutes and agendas).
    b. Discussion of progresss/plans and study for 2nd Condition on Data. This second DEEP COA on evaluation data asks the utilities to get data management and processing up to more industry standard, working with EA.

- 2 activities: EA has 2 data projects in Evaluation Plan; first beginning shortly. Also EA and both utilities have regular meetings on the calendar to work together on this item, and will keep Evaluation Committee briefed on progress and issues.

6. **Committee Review of Evaluation Legislative Report**
   a. Note this is the Evaluation Legislative Report, not the one that came out recently from the EEB. Each year, the Evaluation Committee provides a summary of each evaluation study that was completed during the previous year (here, 2022), and each study that was underway but not completed during the same year. The Evaluation Committee is asked to Review and approve the document before sending to EEB and for issuance. The draft was sent last week WITH DOCUMENTS FOR THIS MEETING. Committee has 2 weeks to review (by 3/27). Lisa will send reminder when it is close to due date for comments.

7. **Presentations - Highlights / implications of Recent Evaluation Reports**
   a. R2213 / Delivered Fuels Savings Impacts / Methods & Attribution (Wirtshafter) – presentation slides. Notes that previous best practices for billing analysis for non-utiltiy "delivered fuels" (propane / oil) was to extend the NG results. Very near term improvements are updated adaptation equations, and right on the heels are new technologies that can read usage for both propane and oil in real time, allowing billing analysis for each fuel directly.
   b. C2117 / RetroCommissioning (RCx) Persistence Study Highlights (Kroll) – Presentation slides. Results of the RCx study were provided, based mostly on literature review and updates of the lifetimes for these measures to be applied to the TRM. Note that the study recommends about 1 year shorter lifetimes for each main measure. This study is just completing its review of the "review draft" that was distributed several weeks ago (2/20).

8. **Other Recent Evaluation Report – R1983 HES & IE Impact and Process Evaluation Report was distributed** for Committee comment this morning. It includes impact results and TRM updates, process evaluation results, and results of customare profiling work, along with extensive recommendations toward program performance improvements. It also includes data recommendations. The Executive Summary is a very robust presentation of all the key information. Comments are usually due in 2 weeks (3/27/23), but we recognize the priority short-term use of this report is to advise on refinements to the HES and HES-IE programs for the imminent Plan Update (and the report is lengthy), so if the comments need to be delayed, let us know.

9. **Other quick updates for committee – discussion – none raised; let us know of any study links that are broken. Skumatz is preparing a package of studies for the executive secretary to replace the broken web links.**
   a. Updated evaluation plan status / monitor google update / link
   b. Working jointly with utilities and TCs.
   c. Progress on report-posting – keep us posted on additional studies with broken links.
   d. Update on data requests / data issues – nothing new.
   e. Report on progress in funding options for data issues.
   f. Evalution Study Budget update issues: R1983 HES/ Illume / Behavioral
   g. Update on data sharing authorized by EA Team to reduce data requests / leverage data – there may be a request for C1901 data / Sector-wide process evaluation for use for C&I baseline to see if there are sector-wide data of use.

10. **Regular Updates to read ahead of time; not discussed / questions taken as needed –**
11. **One question – when is X1942 coming out – Skumatz will find out and circulate answer.**
    a. Interim e-votes and meetings – (bottom of agenda)
    b. Project summary document – separate attachment – not presented
    c. Project Gantt chart – separate attachment – not presented
    d. Data email / contact tracking report – separate attachment - not presented
    e. PO and Data Deadlines Tracking, (Presented quarterly – April meeting for 1st quarter 2023)
    f. Covid Updates from utilities, if any - assume none.
    g. Other

12. **Other business**
    a. Asked for additional public comment - none

13. **Adjourn**: Motion / Second by Fay / Viglione. Approved Fay, Viglione, McMillan. Meeting Adjourned 10:57am.

*** Supporting Materials to be included in Box folder and attached before meeting, including:

• Updated Gantt Chart & Project Status Summary & data timeline report (sent, separate doc) • E-votes / call notes (attached / bottom of agenda) • COA memos • Slides for presentation	• Feb minutes (separate doc, sent for Evote in Feb • Jan/Feb invoices (will be sent for vote, separate doc) • Google Doc on status of all Eval plan projects – to be updated / Posted

Summary of 2022-23 Votes To Date –Updated

	Minutes for the month	SERA Invoice
Feb 2023	*Approved – Emailed 2/14; responded in favor: Fay & Viglione 2/14, Sickinger 2/15*	*To be submitted in Mar*
Jan 2023	*Approved – Emailed 1/9; responded: Sickinger in favor 1/9. Resent 2/6/23. Fay & Viglione in favor 2/6,*	*To be submitted in Mar*
Dec 2022	*Approved (12/12 Viglione & Fay; 12/13 Sickinger)*	*Approved – (12/16 by Viglione, Fay, Sickinger); true up to be provided with Jan invoice.*
Nov 2022	*Approved (11/8 Viglione & Donatelli; 11/9 Fay)*	*Approved - (12/16 by Viglione, Fay, Sickinger)*
Oct 2022	*Approved: Fay 10/10, Viglione 10/11; DEEP abstain.*	*Appproved - (12/16 by Viglione, Fay, Sickinger)*
Sept 2022	*Approved:10/12, Viglione 10/17, Donatelli 10/17.*	*Approved: Fay 10/14, Donatelli 10/17, Viglione 10/28.*
Aug 2022	*Approved – via evote: Fay 8/23, McLean 8/24, Dube only voted for invoice*	*Approved – via evote: Fay 8/23, McLean 8/24, Dube 8/24; directly forwarded to Exec Sec. Approved revised format: Fay 10/12, Viglione 10/17, Donatelli - 10/17*
July 2022	*Approved –via evote: Donatelli 7/21, Fay 7/22, Viglione 7/25; resent to McLean 7/25.*	*Will evote for easier record-keeping.*
June 2022	*Approved: Emailed out evote 6/15/22. Approved McLean, Viglione, Fay via email 6/16/22. Resent to Donatelli 7/5/22. In favor Donatelli 7/18*	*Approved (after meeting via evote): Distributed evote 7/13, votes in favor received from Fay (7/13), McLean (7/14), Donatelli (7/18), Viglione (7/18).*
May 2022	*Approved: Distributed prior to meeting / committee wants to e-vote; sent 6/15/22. Approved McLean, Viglione, Fay via email 6/16/22. Resent to Donatelli 7/5/22. In favor Donatelli 7/18*	*Approved: Distributed prior to June meeting / committee wants to e-vote; sent 6/15/22. Approved McLean, Viglione, Fay via email 6/16/22. Resent to Donatelli 7/5/22. In favor Donatelli 7/18*

	Minutes for the month	SERA Invoice
Apr 2022	*Approved: In May Committee Meeting 5/9/22: - Motion / Second by Fay/McLean. In favor McLean, Fay, Viglione, Donatelli (none against, none abstaining)– unanimous approval*	*Approved: In May Committee Meeting 5/9/22: - Motion / Second by Fay/Viglione. In favor McLean, Fay, Viglione, Donatelli (none against, none abstaining)– unanimous approval*
Mar 2022	*Approved – Evotes of yes from McLean, Viglione, Fay, and Donatelli, 4/28.*	*Approved – Evotes of yes from McLean, Viglione, Fay, and Donatelli, 4/28.*
Feb 2022	*Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22*	*Approved: yes on 3/14 for all voters McLean, Viglione, Fay, and Donatelli.*
Jan 2022	*Approved: Sent for evote after Jan 2022 meeting: Sent 1/10, 2/4; Approved McLean 2/5, Donatelli 2/7; awaiting Viglione (assume no vote Fay)*	*Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22*
Dec 2021	*Approved: Sent for evote after Jan 2022 meeting: Sent 1/10, 2/4; Approved McLean 2/5, Donatelli 2/7; awaiting Viglione (assume no vote Fay)*	*Approved: Sent both portions for evote 12/17. Approved Donatelli, Viglione, McLean 12/17.*
Nov 2021	*Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli, 1/10.*	*Approved: Sent 12/14. Approve Donatelli, McLean 12/16. Viglione 1/10*
Oct 2021	*Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli 1/10.*	*Approved: Sent for evote 11/23, resent 11/30 (Approved McLean, Donatelli on 11/30, Viglione 1/10).*
Sept 2021	*Approved: July/Aug/Sept sent 9/26 for evote; (Sept amended, then approved 9/27 Donatelli & McLean) Awaiting Viglione.*	*Approved: Sent for evote 10/26. Approved McLean 10/26, Donatelli on 10/27, Viglione 1/10).*
Aug 2021	*Approved: July/Aug/Sept sent 9/26 for evote; approved 9/27 Donatelli & McLean, Viglione 1/10)*	*Approved: July/Aug sent for evote 9/13. (Approved McLean 9/14. Evote resent to others 9/26; Donatelli approved 9/27, Viglione 1/10).*
July 2021	*Approved: July/Aug/Sept sent 9/26 for evote approved 9/27 Donatelli & McLean, Viglione 1/10).*	*Approved: July/Aug sent for evote 9/13. (Approved McLean 9/14. Evote resent to others 9/26; Donatelli approved 9/27, Viglione 1/10).*
Jun 2021	*Approved - May and June Minutes-Sent for e-vote 7/1/21, 8/9/21, 9/9 (In favor, Donatelli, 9/7, Viglione 8/9, Resent, McLean approved 9/26)*	*Approved – Combined Apr/May/June sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7, resent 9/9, 9/26; McLean approved 9/26)*
May 2021	*Approved - Sent for e-vote 7/1/21, 8/9/21, 9/9 (In favor, Donatelli, 9/7, Viglione 8/9; Resent, McLean approved 9/26)*	*Approved – Combined Apr/May/June Sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7), resent 9/9, 9/26; McLean approved 9/26*
April 2021	*Approved - Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)*	*Approved – Combined Apr/May/June Sent for evote 9/3, (in favor Donatelli and Viglione 9/4, 9/7), resent 9/9, 9/26; McLean approved 9/26*
Mar 2021	*Approved, sent for evote 3,8, 4/12, 4/22 (In favor, Wells, Viglione 4/22/21, McLean abstain)*	*Approved, Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)*
Feb 2021	*Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)*	*Approved, Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)*
Jan 2021	*Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)*	*Approved, Sent for Evote 2/8, 3/8, 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)*

Other Votes / Meetings / Tracking (2022-2023) Updated

Mar 2023

- **3/13 – PASSED:** In conformance with COA#10, the Committee approved 2 memos (one for each utility) providing scores for data request delivery quality and timeliness performance, and PO / contracting turnaround for 1) delivery to EEB for discussion / approval, and 2) after EEB

discussion, ultimate use by DEEP for utility performance incentives. (98.25% combined score ES; 54% for UI)

Feb 2023
- 2/6 – update on C1983 HES Impact results to Residential Committee
- 2/1 – preview update on C1983 HES Impact results to Eval Committee/EEB

Jan 2023 –
- 1/11 - Eval Update to EEB
- 1/6 – comments for X1942 NEI study draft due

Dec 2022 –
- 12/14 Res Kickoffs:
  - R2209 – RNC NTG
  - R2213 – Delivered fuels impact eval methods
- 12/14 3 HP Kickoffs:
  - R2246 – Res HP Metering (joint states)
  - C2230 – Com'l HP & Electrif
  - X2231 – Cross cutting HP & Electrif
- 12/14 Cross-cutting Kickoff
- 12/13 Commercial Kickoffs
  - C2203 – Ag market & Baseline Assessment
  - C2211 – BES Impact & Process Eval
  - C2201 – C&I baseline

12/12/16 – <u>Approved by Eval Committee</u>: SERA Scope of work and budget approved by evote – 12/12 (Viglione and Fay), 12/13 (Sickinger).

Nov 2022 –
- Multiple UI Data Dictionary meetings, Utility / TC pre-interviews for project scope refinements before kickoff.
- Multiple kickoffs to be scheduled this month.
- **<u>VOTE HELD in meeting 11/7/22. MOTION passed:</u>** Fay moved that the memo should pass Evaluation Committee and be forwarded / recommended to EEB. Seconded by Viglione. Fay and Viglione in favor. DEEP abstained (as the document is ultimately filed to them).
- **MOTION PASSED,** *Evaluation Committee, 11/7/22 meeting: Revise and replace the motion passed last month by the Evaluation Committee. Approve $180,000 additional budget to reimburse for additional costs (nearly all due to data-related issues), and pull the funding from Study X2234 (Emerging Issues). X2234 has $248K in the Updated 2022 Evaluation Plan. Over the next 3-6 months, the utilities, DEEP, EA, and others will work to identify possible funding sources that will allow reimbursement to Project X2234 of the data portions of these costs, and will report back to the Evaluation Committee monthly, and inform EEB periodically. The data-related costs were allocated as: $39,260 from Eversource, $121,040 from UI.*

Oct 2022 –
- **<u>Passed 2022 Eval Plan Update</u>** / no budget change, and contract projects. Move Plan's budget forward to EEB. In favor: Fay 10/4, Viglione 10/5, Donatelli 10/5.
- **<u>Passed 2022 Eval Plan</u>** Update budget – by EEB 10/12.

- **Motion to increase NMR Budget** by $180,000 with funding to come from sources other than C&LM Plan or Evaluation Budget. In favor: Fay 10/4, Viglione 10/5; DEEP raised issue that Committee and EEB lack authority to address funds outside C&LM Plan or Evaluation budget. Viglione (10/6) and Fay 10/6 interested in efforts to identify other sources; consider issue also at EEB.
- Multiple UI Data Dictionary meetings, Utility / TC pre-interviews for project scope refinements before kickoff.

Sept 2022 –
- 9/12 – EUL (X2001) and NEI (X1942) presentation – cancelled, will be incorporated into full report's final presentation early 2023.
- 9/15 – 11am, Com'l refrigerator presentation (X1931-5)
- 9/15 – 1pm, C1902 A and B – ECB NTG, Baseline, code compliance study – presentation of NTG and baseline/compliance results developed in memos.
- 9/20 – 12pm, R2015, Low load Zero net energy report final presentation,
- 9/29 – 3:30pm, X2022, Engagement / Workforce report final presentation

Aug 2022 –
- 8/4 training repeated for new contractors by EA
- 8/1 review draft R2015 released

July 2022 –
- **7/29 training for new contractors by EA**
- **Approved: Legislative Report:** Distributed evote 7/13, votes in favor received from Fay (7/13), McLean (7/14), Donatelli (7/18), Viglione (7/18). Sent for posting to Exec Secretary 7/20.
- **Approved: Award of C&I baseline study to DNV per memo recommendation.** Distributed evote 7/13, votes in favor received from Fay (7/13), McLean (7/14), Donatelli (7/18), Viglione (7/18). Documentation to contract for this project sent to utilties by EA 7/22/22.
- Presentation of X1939 to C&I meeting held 8/13.

June 2022 –
- Meetings with EA and utilities on DNV project on reformatting (and some updates) to the PSD
- 6/8 – Update to EEB on Evaluation committee
- 6/8 – R1965/2027 HP presentation in Residential Committee
- 6/1 - EEB onboarding meeting

May 2022 –
- Multiple review draft studies out and comments received. See 5/15 table.

April 2022 –
- Comments on Conditions of Approval 4/25, 4/27- not passed by EEB
- *PASSED* – Approval of winners of 3 year research area contracts – evote – April 27 – May 3, favor: Viglione, Fay, McLean; abstained Donatelli. Passing contract docs to utilities for contracting.

Mar 2022 –
- 3/10/22 3:30, Kickoff C2117 RCx Persistence Study Kickoff

- 3/4/22, 2pm, R1968 RNC Baseline & code compliance - Kickoff meeting (follow-up only for folks that couldn't attend previous kickoff)

Feb 2022 –
- **VOTE / PASSED 2/10**: Agree to have project R1968 cover 2015 code update, add MF sample, and adopt the optional task for $20K addition, from the project X2234 "Emerging issues" from the 2022-24 Evaluation Plan (mentioned in the discussion included in the attached minutes; I have also attached the rationale memo from NMR) - Evotes from Donatelli & McLean 2/9; Fay and Viglione 2/10
- **VOTE / PASSED 2/10**: Agree to award the R1968 Phase 2 work to NMR on its existing PO, awarding project R2215 funds of $300K to allow smooth continuation of the project / no gap. This awards the funds from a 2022-24 project to that existing PO. (minutes describe advantages) – Evotes from Donatelli & McLean 2/9; Fay and Viglione 2/10
- 2/15/22 R1968 RNC Baseline & code compliance - Kickoff meeting
- Special data meetings R1983 / UI
- 2/4/22 - Meetings on C&I verification refinement suggestion from CIE (Jan and Feb and ongoing)
- 2/3/22 - TRM meeting on level of detail of results for R1983 realization rates

Jan 2022 –
- 1/10 Stakeholder briefing for Phase 2 directions for R2015 (low load residential homes).
- 1/10 **APPROVED** EVALUATION PLAN, REVISED, by evaluation committee. In meeting.
- 1/12 Briefing with EEB on Evaluation Plan.
- 1/12 – **APPROVED BY EEB VOTE**
  - 3-year Evaluation Plan and Budget - $14.775 million ($4.5 million, $4.5 million, $5.775 million across the 3 years)
  - EA team budget – 2022=$444,110; 2023=$444,110; 2024=$531,155.
  - EA Team scope of work; provided to utilities.
- Meetings on C&I verification refinement suggestion from CIE (Jan and Feb and ongoing; including C&I meeting, January)