



**EEB Evaluation Committee Monthly Meeting MINUTES**  
**MONDAY February 6, 2023 – 10:00-12:00 (likely to end early)**

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](http://www.uberconference.com/skumatz)

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*(Backup number – only if primary # doesn't work – <https://zoom.us/j/2534751779>; and use computer for voice.*

**COMMITTEE MEETING MINUTES**

**Attendance:** Fay\*, Sickinger\*; Lawrence, Reed, Mosenthal, Sherwood; Alim, McMillan; Pahl, Jacobs, Kroll, Wirtshafter, Skumatz; Errichetti, Williams, Emerick; Chaudry, Wintercorn, Sheth; Roy, Robertson, Wright, Fabien, Long.

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

**2. Public Comment - none**

**3. Minutes and invoices and evotes**

- a. January Minutes – already distributed & evoted
- b. Invoices to be circulated separately for evote

**4. 12/1 Study Evaluation Use Memo – Summary**

- a. Skumatz noted that the utilities sent the required memo for the studies completed after 5/15 and before 12/1 within 6 weeks after 12/1 (required by Roadmap). This year, that included only two residential studies that were completed. EA Team sent the required responses within the 4 week turnaround. There are no disagreements that need discussion / decisions by Evaluation Committee; EA did make some comments to request follow-up when the comments took the form of “utilites will evaluate...” to keep in touch as these items are evaluated and to provide feedback on the intent and design. Utilities are satisfied with these responses. Utilities will include the first two columns of this memo with the next filing.

**5. Conditions of Approval with EA input – Update on Data / PO tracking performance update 5 min**

- a. EA team needed to prepare several memos in response to various conditions of approval.
- b. EA requested advice on the chain of approval or review for these types of feedback – which request input or feedback from EA to DEEP; they are not addressed directly in either Roadmpa. Asked for feedback from Exec Sec or TC lead.
- c. Draft memos were attached to Today’s meeting agenda:
  - 1: Memo on Data dictionary / formalizing feedback provided within in the Evaluation Committee meeting last month per COA – satisfactory, but will need to

see how 2023 data requests go. EA provided memo, and attached for review by committee.

a. Note; Skumatz to resend to Sickinger.

2. Prepared Eversource memo covering Eversource Performance scoring on POs and Data delivery per COA. Strong performance by ES. Need to provide a similar assessment and memo regarding UI performance. Currently discussing dates that SERA has for deliverables to confirm UI has the same dates; discussing / confirming completeness of responses, etc. Should have UI performance scores shortly and will prepare parallel memo..

- Eversource submitted; UI submitted for discussion with UI
- EA will solicit advice from Exec Sec on proper transmittal of these types of documents.

## 6. Highlights / implications of Recent Evaluation Reports

- Update on R1983 findings (slides from last week attached). Questions?
  - a. Questions: Have studies of this type been done before? Have results been similar? EA – yes, similar directions, but less dramatic. Q:e What have utilities done in past with the findings / programs reacted? TC: prior changes have been a topic of conversation with utilities in residential committee and beyond. Will be working closely with utilities to get more savings from the programs in light of these newest results. EA: last HES found reductions, but not as dramatic as current study. ES: discussing in detail regularly / weekly, waiting for full report also. UI: coordinating with ES on those conversations.
- Being re-presented in this week's Residential Committee meeting.
- Revised report to EA before end of month; hope to committee in Feb (long)

## 7. Other quick updates for committee – discussion

- a. Updated evaluation plan status will be uploaded to the google link periodically
- b. Working jointly with utilities and TCs on two topics that are follow-ons to evaluation reports and help implementation specifics. This includes:
  - RNC baseline / all electric
  - HES presentation for Residential Committee
- c. Progress on report-posting – keep us posted on additional studies with broken links.
- d. Important: Data issue / associated with dictionary – delete file emailed out.
- e. Update on data requests / data issues – nothing new.
- f. Report on progress in funding options for data issues – no meetings / progress yet.
- g. Next item due – Legislative report by EA Team – expected for review Feb/March
- h. Note: some budget issues likely to be presented next month: R1983 HES/ Illume / Behavioral. Stay tuned.
- i. 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.

## 8. Regular Updates to read ahead of time; not discussed / questions taken as needed- no questions.

- a. Interim e-votes and meetings – (bottom of agenda)
- b. Project summary document – separate attachment – not presented -any questions?

- c. Project Gantt chart – separate attachment – not presented -any questions?
- d. Data email / contact tracking report – separate attachment - not presented -any questions?
- e. PO and Data Deadlines Tracking, (Presented quarterly)
- f. Covid Updates from utilities, if any - assume none.
- g. Other

9. **Other business**

- Requests to send recordings to Viglione and jdwright.com@gmail.com

10. **Adjourn** at 10:34.

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

<ul style="list-style-type: none"> <li>• Updated Gantt Chart &amp; Project Status Summary &amp; data timeline report (sent, separate doc)</li> <li>• E-votes / call notes (attached / bottom of agenda)</li> <li>• COA memos (3)</li> </ul>	<ul style="list-style-type: none"> <li>• Jan minutes (separate doc, sent for Evote in Jan; awaiting evotes from Fay and Viglione) / resent</li> <li>• Jan invoice (will be sent for vote, separate doc)</li> <li>• Google Doc on status of all Eval plan projects – Posted</li> </ul>
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**Summary of 2022-23 Votes To Date – NOT Updated Yet**

	Minutes for the month	SERA Invoice
Feb 2023		
Jan 2023	<i>Pending – Emailed 1/9; responded: Sickinger 1/9. Resent 2/6/23. Awaiting Fay and Viglione</i>	<i>To be submitted in Feb</i>
Dec 2022	<i>Approved (12/12 Viglione &amp; Fay; 12/13 Sickinger)</i>	<i>Approved – (12/16 by Viglione, Fay, Sickinger); true up to be provided with Jan invoice.</i>
Nov 2022	<i>Approved (11/8 Viglione &amp; Donatelli; 11/9 Fay)</i>	<i>Approved - (12/16 by Viglione, Fay, Sickinger)</i>
Oct 2022	<i>Approved: Fay 10/10, Viglione 10/11; DEEP abstain.</i>	<i>Approved - (12/16 by Viglione, Fay, Sickinger)</i>
Sept 2022	<i>Approved:10/12, Viglione 10/17, Donatelli 10/17.</i>	<i>Approved: Fay 10/14, Donatelli 10/17, Viglione 10/28.</i>
Aug 2022	<i>Approved – via evote: Fay 8/23, McLean 8/24, Dube only voted for invoice</i>	<i>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</i>
July 2022	<i>Approved –via evote: Donatelli 7/21, Fay 7/22, Viglione 7/25; resent to McLean 7/25.</i>	<i>Will evote for easier record-keeping.</i>
June 2022	<i>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</i>	<i>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).</i>
May 2022	<i>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</i>	<i>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</i>
Apr 2022	<i>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</i>	<i>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</i>
Mar 2022	<i>Approved – Evotes of yes from McLean, Viglione, Fay, and Donatelli, 4/28.</i>	<i>Approved – Evotes of yes from McLean, Viglione, Fay, and Donatelli, 4/28.</i>

	Minutes for the month	SERA Invoice
Feb 2022	<u>Approved</u> : Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22	<u>Approved</u> : yes on 3/14 for all voters McLean, Viglione, Fay, and Donatelli.
Jan 2022	<u>Approved</u> : 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)	<u>Approved</u> : Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22
Dec 2021	<u>Approved</u> : 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)	<u>Approved</u> : Sent both portions for evote 12/17. Approved Donatelli, Viglione, McLean 12/17.
Nov 2021	<u>Approved</u> : 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	<u>Approved</u> : Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli 1/10.	<u>Approved</u> : Sent for evote 11/23, resent 11/30 (Approved McLean, Donatelli on 11/30, Viglione 1/10).
Sept 2021	<u>Approved</u> : July/Aug/Sept sent 9/26 for evote; (Sept amended, then approved 9/27 Donatelli & McLean) Awaiting Viglione.	<u>Approved</u> : Sent for evote 10/26. Approved McLean 10/26, Donatelli on 10/27, Viglione 1/10).
Aug 2021	<u>Approved</u> : July/Aug/Sept sent 9/26 for evote; approved 9/27 Donatelli & McLean, Viglione 1/10)	<u>Approved</u> : 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	<u>Approved</u> : July/Aug/Sept sent 9/26 for evote approved 9/27 Donatelli & McLean, Viglione 1/10).	<u>Approved</u> : 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	<u>Approved</u> - 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)	<u>Approved</u> – 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	<u>Approved</u> - 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)	<u>Approved</u> – 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	<u>Approved</u> - Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)	<u>Approved</u> – 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	<u>Approved</u> , sent for evote 3,8, 4/12, 4/22 (In favor, Wells, Viglione 4/22/21, McLean abstain)	<u>Approved</u> , Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)
Feb 2021	<u>Passed</u> . Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)	<u>Approved</u> , Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)
Jan 2021	<u>Passed</u> . Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)	<u>Approved</u> , 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

### 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 & Electrification
  - X2231 – Cross cutting HP & Electrification
- 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 – Approved by Eval Committee: 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.
- **VOTE HELD in meeting 11/7/22. MOTION passed:** 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 –**

- **Passed 2022 Eval Plan Update** / no budget change, and contract projects. Move Plan's budget forward to EEB. In favor: Fay 10/4, Viglione 10/5, Donatelli 10/5.
- **Passed 2022 Eval Plan** 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 utilities 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)

**2021 Final Reports Issued:** 3/24 RR1973 ESRPP; 4/16 C1906 SEM Phase 1; 7/23 X1941 MF; 10/21 (or before) X1931-2 (CF&Loadshape), X1931-3 (air compressor), X1931-6 (HOU), X1931-7 (DD), X1931-8 (Adv. T-Stat); 11/22 R1959 Renov&Addn; 11/24 X1931 Early Retirement Phase 1; 12/14 C1901 C&I Sector-wide Process. Roadmap, Legislative report, Evaluation Plan.