



EEB Evaluation Committee Monthly Meeting Agenda

MONDAY May 9, 2022 – 10:00-12:00 (longer meetings going forward)

ALL VIRTUAL MEETING – NO MEETING ROOM (recordings posted)

Meeting Materials in Box folder: <https://app.box.com/s/c0zseb63i4su4i926c5xese70sw68r1g>

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 AGENDA - REVISED

1. Call to order
2. Public Comment 1 min
3. Minutes and invoices – 5 min
 - a. April Minutes - **vote**
 - b. EA Team April invoice - **vote**
4. Regular Documents to **read ahead of time** and ask questions, if any 0 min
 - a. Interim e-votes and meetings – (read bottom of agenda)
 - b. **Project summary document** – summarizes latest tasks accomplished, etc. (PDF attached)
 - c. **Project Gantt chart** – short status report that focuses on items Committee should be aware of (PDF attached)
 - d. **Data tracking report** – long version summarizes email and phone traffic, meetings, issues, and latest transactions related to data requests (traditional list form, by project, PDF being forwarded later today)
 - e. **Data deadlines report** met / not by utilities – for quarterly tracking (PDF to be forwarded): summarized metrics for each data request by project by utility. New form. Comments requested. Being forwarded later today.
 - f. **PO tracking report met/not met by utilities – for quarterly tracking (PDF to be forwarded)**. summarized metrics for each PO by utility. New form. Comments requested. Being forwarded later today.
5. Other regular information – **Read through this** – ask questions if any. 0 min
 - a. Covid Updates from utilities, if any - assume none.
 - b. Update on data sharing authorized by EA Team to reduce data requests / leverage data – none this month
 - c. Working with Exec Secretary on getting current on posted studies – work continues, additional ones sent this month
 - d. Continuing to monitor request from C&I industry group for streamlined EM&V

- 6. Short: Data request on lighting data from DOE / Guidehouse** **5 min**
- 7. PSD process -** **20 min**
- a. Correction on one item – EUL pulled incorrectly in last update
 - b. EA Team will walk through the individual studies and identify which will have reports to review soon so their results will be eligible for 5/15/22 cutoff for inclusion in 2022 PSD
 - c. 1 month extension request (6/15) for HES / HES-IE key topics
 - d. Have worked out use of all previous evaluation findings thru 12/1 – Latest / last version of the memo showing agreements on how evaluation results will be used / distributed after last meeting
 - e. PSD meetings: not yet started in earnest; a contractor has been hired by utilities to update but especially update the formatting of the document.
- 8. Legislative report – read / comment / vote in meeting** **0-5 min**
- a. Review the regular report prepared by EA Team – Reviews all projects that were underway in 2021. **To be sent before meeting.** Pulls abstracts from all reports, and provides up-front status based on previous reports and budgets.
- 9. Processes / linking with EEB /Updates / Coordination** **15 min**
- a. Response to DEEP conditions (Skumatz) & Roadmaps / processes (McLean)
 - b. **Updates** - Presentation on evaluation to EEB (6/8), to Residential committee (HP) 6/8, and to Second Onboarding meeting (To be scheduled) **0-5 min**
- 10. Data report for 2021 Data and PO performance by utilities –** **5-10 min**
- a. Draft presented last time. Report to be forwarded before meeting.
- 11. Discussion of upcoming agenda topics** **20 min**
- 12. Status of EA Team non-project assignments for 2020/21 & Next Steps – Read this:**

2022 EA or Roadmap Deliverable	Status	Due	Completed
Eval in C&LM Plan Jan Briefing & Vote	Eval Committee vote for approval 1/10; Budgets approved by EEB	1/12/22	1/12/22
RFP for 2022-24 3-yr Research Areas	Issued 1/21, due 2/28	1/21/22	1/21/22
Score / Recommend 3-yr Contractors	In process	Mar 2022	5/3/22
Legislative Report – Evaluation Studies	For committee review Mar 2022 meeting	Not specified	May meeting
EA contract renewal	Complete at ES and UI		April 2022
PSD / Memo on use of Eval Reports by utils; responses by EA	Util Memo delivered 1/11/22 (6 wks after 12/1); EA response 2/11/22 (4 wks after memo); Utilities used in 3/1/22 filing; discussions of remaining issues 3/18/22 (mostly R1939)	1/11 & 2/11	1/11, 2/11 met; follow-up discussions (provided to committee then, and 4/11)
Next PSD / Memo on use of Eval reports	6 weeks after PSD#2 - studies close May 15 per Roadmap (util due); EA due 4 weeks later	6 wks after 5/15 & 4 wks after	

Eval Plan update	Need to complete earlier to be incorporated into C&LM Plan timing	Aug/Sept	

13. Other items –

To do:

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

<ul style="list-style-type: none"> Updated Gantt Chart & Project Status Summary & data timeline report (attached) E-votes / call notes (attached / bottom of agenda) 	<ul style="list-style-type: none"> April minutes (attached) April invoice (attached) Legislative Report (coming) Data & PO deadlines / performance sheets (coming)
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Summary of 2020-21 Votes To Date - UPDATED;

	Minutes for the month	SERA Invoice
Apr 2022	<u>In this meeting</u>	<u>In this meeting</u>
Mar 2022	<u>Evote approved meeting</u>	<u>Evote / approved</u>
Feb 2022	<u>Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22</u>	<u>For March Meeting</u>
Jan 2022	<u>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)</u>	<u>Approved: Sent for Evote 2/9/22; Approved McLean & Donatelli 2/9/22; Viglione and Fay 2/10/22</u>
Dec 2021	<u>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)</u>	<u>Approved: Sent both portions for evote 12/17. Approved Donatelli, Viglione, McLean 12/17.</u>
Nov 2021	<u>Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli, 1/10.</u>	<u>Approved: Sent 12/14. Approve Donatelli, McLean 12/16. Viglione 1/10</u>
Oct 2021	<u>Approved: Sent 12/14. Approved McLean 12/16, Viglione 12/17, Donatelli 1/10.</u>	<u>Approved: Sent for evote 11/23, resent 11/30 (Approved McLean, Donatelli on 11/30, Viglione 1/10).</u>
Sept 2021	<u>Approved: July/Aug/Sept sent 9/26 for evote; (Sept amended, then approved 9/27 Donatelli & McLean) Awaiting Vigliione.</u>	<u>Approved: Sent for evote 10/26. Approved McLean 10/26, Donatelli on 10/27, Viglione 1/10).</u>
Aug 2021	<u>Approved: July/Aug/Sept sent 9/26 for evote; approved 9/27 Donatelli & McLean, Viglione 1/10)</u>	<u>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).</u>
July 2021	<u>Approved: July/Aug/Sept sent 9/26 for evote approved 9/27 Donatelli & McLean, Viglione 1/10).</u>	<u>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).</u>
Jun 2021	<u>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)</u>	<u>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)</u>
May 2021	<u>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)</u>	<u>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)</u>
April 2021	<u>Approved - Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)</u>	<u>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)</u>

	Minutes for the month	SERA Invoice
Mar 2021	<i>Approved, Sent for evote 3/8, 4/12, 4/22 (In favor, Wells, Viglione 4/22/21, McLean abstain)</i>	<i>Approved, Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)</i>
Feb 2021	<i>Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)</i>	<i>Approved, Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)</i>
Jan 2021	<i>Passed. Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)</i>	<i>Approved, Sent for Evote 2/8, 3/8, 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)</i>
Dec 2020	<i>Passed, Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, Wells 7/1)</i>	<i>Approved Evote 12/18 (Wells, Viglione, McLean)</i>
Nov 2020	<i>Approved / Evote Wells, McLean, Viglione (12/15/20)</i>	<i>Approved (with Oct) Evote Wells, McLean, Viglione (12/15/20)</i>
Oct 2020	<i>Passed: Sent for Evote 2/8, 3/8, 4/12, 7/1 (In Favor: McLean 3/8, Viglione 3/8, , Wells 7/1)</i>	<i>Approved (with Nov) Evote Wells, McLean, Viglione (12/15/20)</i>
Sep 2020	<i>Passed Evote –McLean (11/5), Wells and Viglione (11/9)</i>	<i>Passed (with Aug) – Evote McLean (11/5), Wells and Viglione (11/9)</i>
Aug 2020	<i>Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10)</i>	<i>Passed – Evote– in favor McLean (11/5), Viglione and Wells (11/9)</i>
July 2020	<i>Passed sent for evote 2/8, 3/8, 4/12 (In Favor: McLean 3/8, Viglione 3/8)</i>	<i>Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10)</i>
June 2020	<i>Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10)</i>	<i>Passed Evote McLean, Wells, Viglione (8/17 all; sent 8/10)</i>
May 2020	<i>Passed via Evote: In favor, McLean, Viglione, Wells (6/5, 6/5, 6/8)</i>	<i>Passed via Evote: In favor McLean, Viglione, Wells (all 9/2, 8/17)</i>
Apr 2020	<i>In meeting – Motion to approve SERA Invoice for April Passed. MOTION / 2nd (Wells / McLean). Passed with Wells / McLean in favor. Via evote, Viglione in favor 4/7 – Skumatz check / reversed</i>	<i>Passed in Meeting: Wells / McLean: in favor, Wells / McLean. Viglione in favor via evote 6/5. Skumatz check / reversed</i>
Mar 2020	<i>Passed in April meeting: In favor McLean, Wells (4/6); Viglione E-vote 4/7</i>	<i>Passed in April meeting: In favor: McLean, Wells, Viglione (4/6/20)</i>
Feb 2020	<i>Evote Passed: In favor McLean (2/10); Wells 4/6; Viglione 4/7</i>	<i>Evote Passed: In favor McLean (4/1); Wells 4/6 ; Viglione 4/7</i>
Jan 2020	<i>Evote passed: In favor O’Connor (1/16), Wells (2/10), abstain McLean (1/16).</i>	<i>Evote passed. In favor Li and McLean, 2/10. (No vote from OCC / Taren and John in transition)</i>

Other Votes / Meetings / Tracking (2021-2022)

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.

Dec 2021

- **Approved 2022-24 Evaluation Plan** 12/17 (Sent 12/16; Donatelli abstain 12/16; McLean in favor 12/16; Viglione in favor 12/17) 2022=\$4,500K; 2023=\$4,500K, 2024=\$5,775K
- **Approved 2022-24 EA Team Budget 12/17**(Sent 12/17; Donatelli abstain 12/17; McLean in favor 12/17; Viglione in favor 12/17); 2022=\$444,110, 2023=\$444,110, 2024=\$531,155
- **Approved PO Budget reallocations, revised, replacing 10/26 version:** Sent 12/16, in favor Donatelli 12/16, McLean 12/16, Viglione 12/17. Add \$203.6K to R1982; Add \$8K to C1902; Add \$25K to R2029; Add \$56K to R1965/2027/1983.
- 12/17 - R1965/2027 HPs Key results presentation
- 12/14 – Final report - C1901 C&I Sector-wide Process
- 12/13 – X1931-4 (Lighting Controls) Phase 2 Kickoff
- 12/10 – X2022 Outreach / workforce Key results presentation

Nov 2021

- 11/24 Final Report - R1959 final report (R&A)
- 11/24 11/19 – R2014 Kickoff

- 11/22 Final report - X1931 Early Retirement Phase 1;
- 11/16 – Update on Evaluation to DEEP Day long workshop
- 11/9, 11/11, 11/12, 11/15 – Discussion meetings on Evaluation Project List, plus meeting
- 11/10 – Evaluation update to EEB

Oct 2021

- **10/27 – PASSED Budget Realloc:** *Evote to augment budgets for several projects: +211.6 for R1982 HP/HV Metering for covid stop/start, higher incentives, and meters remaining in a 2nd year; +25K for R2029 Wx from back-and-forth WAP data; and \$56K for analysis of attribution and other issues related to HPs. (Votes in favor received: Donatelli 10/26, McLean 10/27). Awaiting Viglione.*
- 10/21 - X1931-8 (Adv. T-Stat)
- 10/21 – X1931-7 Report complete (HDD)
- 10/21 – Last 2021 PSD meeting with utilities
- 10/19 – R2014 – Phase 2 kickoff
- 10/19 – X1931-3 Report complete (Air Compressor)
- 10/18 – X1931-2 Report complete (CF& Load shape)
- 10/18 – X1931-6 Report complete (HOU)
- 10/13 – Eval presentation to EEB
- 10/1 – R2015 meeting

Sept 2021

- 9/17 – 2021 PSD redline from utilities (Ghani) to EA Team, requesting comments by 9/21. EA responded more time needed. Reviewed and called meeting with questions / discussion for 9/23. Utilities and EA reviewing the small number of comments raised / discussed to finalize shortly.
- **PASSED 9/13: C&LM Plan budget directions:** *Approved agreement with discussion of the general structure of recommendations for C&LM Plan evaluation budgets to be forwarded to EEB Board – 1) increase evaluation project budgets to \$4.5 million in 2022, increasing to \$6 million by 2024. 2) Also approved agreement with general recommendation of structure for increasing EA Team budget by 35% with 50% increases in evaluation project budgets. Motion / Second: McLean & Donatelli in favor during Committee meeting Sept 13. Evote in favor from Viglione 9/14.*
- **PASSED 9/13 NMR budget Add'n:** *Approved R1983 NMR budget increase of \$55,400 in meeting 9/13. McLean & Donatelli in favor during Committee meeting Sept 13. Evote needed from Viglione.*
- **PASSED: Approved Roadmap 9/9:** *Sent 9/3, in favor McLean 9/4, resent 9/9, in favor Donatelli 9/9; awaiting Viglione, resent 9/26, abstains 9/28.*
- 9/8/21 – Request for Evaluation Plan Project Ideas; first responses due 9/17

Aug 2021

- 8/5/21 - PSD 2020 update discussion meeting with EA / Utilities held; Reviewed about a dozen items that ERS review determined were not in redline. Decisions made/ERS re-reviewing for final redline for 2020 updates. To begin: updates from 2021 summer study results.

July 2021

- 7/8/21 - PSD 2020 update discussion meeting with EA / Utilities held; all dispositions for 2020 complete / agreed; forwarded to ERS for redlining and verification.
- 7/1 - Multiple Summer Presentation meetings held for use in PSD / Plan including: R2027 HP/HPWH Reliability & R1965 HP/HPWH Baseline & Potential (7/1); and C2014 C&I Lighting Sat & Remaining Potential (7/1).
- 7/1/21 - PSD 2020 update discussion meeting with EA / Utilities held

June 2021

- 6/25 – C1901 C&I Sector Wide Process Evalion Review Draft out for Review; 1 extra week means due 7/16.
- 6/22 – X1939 Early Retirement Report out for review; 1 extra week for review (due 7/13)
- 6/8-6/30 Multiple Summer Presentation meetings held for use in PSD / Plan including: X1941 MF (final presentation; 6/8 and 6/17); X1939 Early Retirement (6/14); R1959 SF Reno & Addn (6/17); X1931-6 Hours of Use (6/21); X1931-7 Degree Days (6/21); X1931-4 New Measure-Lighting Controls Res/C&I (6/23); C1901 C&I Sector-Wide Process Eval (6/24); X1931-1 ISP Com'l Boiler & Furnaces (6/28); X2001 EUL C&I (6/28); X2022 Educ/Workforce Initiatives (6/29); X1931-2 Coincidence Factor & Loadshape (6/30); New Measure Compressed Air (6/30); New Measure R/C&I Thermostats (6/30).
- 6/3, 6/10, 6/17, 6/24 - PSD update meeting / EA & companies
- **Passed 6/9 Award Project R2015:** Evote approving recommended contractor (Evergreen) for project R2015. (McLean 6/9, Viglione and Li 6/11). Should be contracted by utilities along with R1968 asap.
- 6/3 PSD update meeting / EA & companies

May 2021

- 5/21 X2022 Phase 1 presentation / methods / best practices
- 5/19 SEM Phase 1 repeat presentation
- 5/6 Kickoff 3 "New Measure" projects (air compressor, advanced thermostats, advanced lighting controls)
- 5/6 - PSD update meeting / EA & companies

April 2021

- 4/15 C1906 SEM Phase 1 Presentation
- **4/12 PASSED: Augment SERA Budget, add \$69K to initial budget of \$328,970,** transferring from X1940; All in favor in April Evaluation Committee meeting. Documented in memo dated 4/12.
- 4/7 R1973 Retail Products Final Presentation
- 4/1, 4/8 - PSD update meeting / EA & companies

March 2021

- 3/30 C1902 ECB NTG and Baseline K/O
- 3/22 X1942 NEI Kickoff
- **PASSED 3/30 Award Projects:** 3/15 Evote Approval of Memo on RFP Project Award Recommendations (Viglione 4/15; Wells 3/30, McLean 3/29)
- 3/12 RFP responses due to EA Team
- 3/12 Repeat Kickoff X2022 Engagement project for those that couldn't attend 3/3 (added due to storm duties)

- **Possible EVOTE OUTSTANDING/checking:** 3/8 Legislative report sent for evote, resent 4/12; In favor Viglione 3/16.
- 3/8 Kickoff for X1931-6 HOU/Load Shapes Project
- 3/ 4, 3/18 EA Team / utility meeting on PSD update process
- 3/3 Kickoff X2022 Engagement

February 2021

- 2/18 EA Team / utility meeting on PSD update process
- 2/5 R1973 Retail Products Review Draft Report sent to Committee for Review – due 2/19.
- 2/4 EA Team / Utility meeting on PSD update process
- 2/4 Legislative Report sent to committee for Review – due 2/19

January 2021

- ***PASSED: 2021 Eval Plan Update 1/27*** – 2021 Evaluation Plan Update ***Evoted and passed*** (1/27 McLean, 1/27 Wells, 1/28 Viglione)
- 1/25 Eval Committee Discussion on the 2021 Evaluation Plan Update
- 1/25 C1906 SEM Phase 1 (Eval Best Practices) Review Draft Report sent to committee for review - due 2/8
- 1/22 Eval Committee Discussion on the 2021 Evaluation Plan Update
- 1/4 - PSD update meeting / EA & companies