



**EEB Evaluation Committee Monthly Meeting MINUTES**

**MONDAY January 9, 2023 – 10:00-12:00 (likely to end early)**

ALL VIRTUAL MEETING – NO MEETING ROOM (recordings posted) Meeting  
 Materials:<https://app.box.com/s/gyyit9hang6sl7teq0g29bh8u0zlf2m7>

**COMMITTEE MEETING MINUTES**

**Attendees:** Fay\*, Viglione\*, Sickinger\*, Lawrence, Reed, Mosenthal, Sherwood, Prah, Skumatz, Wirtshafter, Pigg, Kroll, Jacobs, Alim, Errichetti, Williams, Sheth, Chaudhry, Martinez

1. **Call to order** 10:05
2. **Public Comment - None**
3. **Minutes and invoices and evotes**
  - a. December Minutes – already distributed & evoted – In the packet for today’s meeting.
  - b. EA Team December invoice already approved / discussion; will true up in Jan invoice.
4. **Conditions of Approval with EA input - Data and PO tracking performance update by both utilities, and UI Data dictionary / Data requests**
  - a. **Data / PO Tracking – Draft final results presented – see below for scores.**
    - Reviewed submittals from contractors; identified remaining “issues”. Discussed with utilities for corrections / caveats, and similarly with contractors.
    - For data requests, we have several categories before we say “met”; met 1<sup>st</sup> round within time limit with quality data, or if the data were not the right info or other issues, whether the “2<sup>nd</sup> round” was met on time with quality data.
    - Will submit final by January 16, after interviewing and firming up a few classifications.

PO COMPLETIONS – DRAFT RESULTS	ES	UI
POs - Total number relevant 2022	15	12
Number satisfactory	10	8
Number delayed due to contractor redlines	3	0
Still in progress and not overdue	1	3
R1982 issue	1	1
Revised "N"	13	8
Satisfactory percentage – Draft	100%	100%

Data Requests - DRAFT	ES #	UI #
Done 1 <sup>st</sup> round (no issues)	14	6
Done 2 <sup>nd</sup> (correcting issues)	1	2
Late	0	2
Late excusable (abnormal data)	1	0
2029 issue	2	1
"N" revised	15	10
Pct 1st	93%	60%
Pct 1st&2nd	100%	80%

b. UI Data Dictionary – Condition of Approval #7.

- Multiple meetings held for months (every other week and weekly) between UI and EA team members & some contractors.
- UI provided “Dictionary” portion from Eigo (attached)
- UI prepared res and com'l “templates” for requests that EA forwarded (attached, laundry list of variables), but UI has linked variables based on topics and measures, and the data output will include definitions and variable names in the first two lines. Modules based on topics (hub / spoke in a sense)
- Therefore, expected approach for consultant data requests will be:
  1. They can review dictionary for information.
  2. Provide list of topics (programs, measures, billing data, etc.)
  3. Data meeting to discuss the request
  4. UI aggregates the modules and sends to contractor.
  5. Proof of concept will be in the first data request’s timing and completeness, but the “attached” dictionary will also be a valuable component.
- EA is satisfied that UI has done their best to meet the conditions of “dictionary” and templates / process. They involved their data personnel. They developed a process that no longer starts from scratch with each request. The dictionary is embedded in the responses. We are anxious to see if these products provide fast, complete data requests, and we all recognize this is not static or “done”, but continually updates, but we believe the COA conditions were met.

**QUESTIONS;** Additional Tab for Residential noted but not attached? It is a separate file / ok.

Lisa maybe submit a memo – check with DEEP.

**5. Other quick updates for committee – discussion**

- a. List of Kickoffs presented, and next studies starting / progress toward getting Evaluation Plan Studies underway – see list forwarded today for members to peruse
- b. Working jointly with utilities and TCs.
  - R1968 baseline & relation to all-electric baseline program – planning joint meeting with NMR; to be scheduled.
  - Early retirement / EA team is reviewing memo for comment; should have results out soon.

- Affidavit from other state for Early Retirement language to use in CT (equipment viability / sent Friday by Pete Jacobs.)
  - HES presentation for Residential committee and prior – working closely with NMR on some additional drill-down results that will better advise programs.
- c. Progress on report-posting – reposting – some of the links have been broken – Lisa said the ones she checked / needed were fixed? If you find some that are still broken, send note to Lisa (or Emily). Lisa notes the website still doesn't allow searches by project name or number or keyword. This will become especially problematic with 45 projects in this 3 year plan.
  - d. Update on data requests / data issues (incl. conditions suggestions) – Nothing new that wasn't discussed above in the COA item.
  - e. Report on progress in funding options for data issues – no meetings / progress yet. Lisa needs to schedule a meeting.
  - f. Status of PSD Updates – complete until next round; prepping for next round; deadline met and PSD went out.
  - g. Discussion of EA Workplan – sent out for evote and approved 12/12 / no comments. Note it was also approved by the EEB .
  - h. Next item due – Legislative report – on our to do list (assembling abstracts from 2022 reports completed).
    - Suggestion – remind them the full reports are on the website.

**6. Regular Updates to read ahead of time; not discussed / questions taken as needed**

- a. Interim e-votes and meetings – (bottom of agenda)
- b. Project summary document – separate attachment - not presented -No questions.
- c. Project Gantt chart – separate attachment – not presented -No questions
- d. Data email / contact tracking report – separate attachment - No questions.
- e. PO and Data Deadlines Tracking, (Presenting annual results elsewhere in this meeting)
- f. Covid Updates from utilities, if any - assume none.
- g. Update on data sharing authorized by EA Team to reduce data requests / leverage data – none this month
- h. Other

**7. Highlights / implications of Recent Evaluation Reports (if time)**

- Nothing this month – just kicked off 9 projects / lots of discussion there.

**8. Other business**

**9. Adjourn** Motion / Second by Vigione / Fay. No objections. Meeting ended at 10:43.

\*\*\* 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>• Data &amp; PO deadlines draft embedded above; final 1/16</li> </ul>	<ul style="list-style-type: none"> <li>• Dec minutes (separate doc, already approved)</li> <li>• Dec invoice (sent for vote, separate doc)</li> <li>• Kickoffs &amp; Next projects list – separate document</li> <li>• Data Dictionary Status / COA regarding UI – embedded above plus UI documents</li> </ul>
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**Summary of 2021-22 Votes To Date –Updated**

	Minutes for the month	SERA Invoice
Jan 2023	To be submitted after meeting	To be submitted in Feb
Dec 2022	Approved (12/12 Viglione & Fay; 12/13 Sickinger)	Approved – (12/16 by Viglione, Fay, Sickinger); true up to be provided
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.	Approved - (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
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).

	Minutes for the month	SERA Invoice
Jun 2021	<i>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)</i>	<i>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)</i>
May 2021	<i>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)</i>	<i>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)</i>
April 2021	<i>Approved - Sent for evote 4/12, 4/22 (In favor, Wells, McLean, and Viglione 4/22/21)</i>	<i>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)</i>
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>

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

#### Feb 2023

- 2/6 – update on C1983 HES Impact results

#### 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). Per email note from Exec Secretary 1/9/23, also passed by EEB.**

#### 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.