



EEB Evaluation Committee Monthly Meeting

MONDAY DECEMBER 10, 2018 – 10:00-11:30 (Ended about 10:50)

Department of Energy and Environmental Protection – Public Utilities Regulatory Authority,
Commissioner's Conference Room, OCC, 10 Franklin Sq., New Britain, CT

Meeting Materials in Box folder: <https://app.box.com/s/gma5ppgt32kbaj97tcxin1dj2numvw9q>

Call-In Number: 303/900-3524; WEB Access: www.uberconference.com/skumatz

(Backup number – only if primary # doesn't work – 720/820-1390 Code (1st caller) 8296#

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COMMITTEE MEETING MINUTES

ATTENDEES: Duva*, Wells, McLean-Salls, Oswald, Ingram, Mosenthal, Reed, Prah, Chiodo, Skumatz, Jacobson, Wirtshafter

1. Public Comment – None
2. Approval of Minutes from November (sent right after meeting, plus today) – Send for **E-vote**
3. Non-Project Updates and Issues
 - a. Review Interim progress / highlights;
 - Interim e-votes and meetings – walked through recent events noted at bottom of the agenda / minutes (below). Main items – reminder of votes outstanding; and the 3-year evaluation plan meetings.
 - Upcoming meetings – none
 - Status of Data requests and deliverables – Timeline report highlights: Data soon for 1634 – ongoing issues with data / working with data but it is definitely affecting timing and costs, and Chiodo has asked Cadmus to put together a memo on costs, and potential actions to take. There are two items, both current requests and 2018 data requests coming up soon, and will need to ask / identify what can be done to speed up this turnaround as it is affecting the consultant cost and time. Jacobson – one outstanding request, with biggest issue that for about 12% of the projects they are unable to find working calculations that underpin utility savings estimates, and they've done what they can but are "at the end of the road" in trying to find those necessary calculations. R1706 RASS – Eversource and UI noted how they are investigating the problems and working with NMR to develop a resolution. Westhill R1603 Impact evaluation project also is making progress but it isn't data request, but data clarifications at this point; UI will also follow up with Westhill on a loop-back in communications / questions.
 - b. SERA team invoices – November discussion; December to come. November invoice will **evote**; December estimate will come shortly thereafter, also for **evote**.

4. Three-Year Evaluation Plan Discussion / Vote / E-Vote – provided evaluation plan with abstract up front, with summary tables. Took into account discussions with the Committee, and made final adjustments to the timing for the studies from the discussion on 12/7. Thanked everyone for participation, and appreciated those behind the scenes for their input. Not a quorum, so need to have E-vote.
 - a. 2 meetings & docs; comments incorporated; Recommended Plan prepared for vote - **evote**
 - b. Next steps – Request for approval included in packet for EEB (hoping for passage by Evaluation Committee). Process – expect to take issue group of RFP scopes to list of pre-qualified firms, include new Terms and Conditions, and submit to committee review. There will be three sets of project (R, C, X). RFP has response data certain, Q&A and answers date certain, responses, EA Team evaluation. Then memo to committee with our process and recommendations for approval. Then Skumatz works with utilities to assemble documents for contracting, working carefully to avoid \$1M caps in the grouping of the contract documents. Questions: whether the plan is to move forward all contracting at one time? Just the ones starting in Year 1 (but even some of those may be phased to avoid the \$1million issue). Asked about whether budgets are provided as part for review when proposals received, and Skumatz noted that those are in the contracts that are established. EA Team will provide a memo summarizing the requested process for a vote. Memo and **Evote**.

5. Discussion of Projects (Gantt, Project Summary Reports Provided monthly w/spend) 20 min
 - a. C&I - Chiodo – C1634 data issue. DEEP reminded of process requiring utility providing written confirmation of data content and delivery date, and looking for confirmation of those steps, and Chiodo said memo will include that. DEEP asked about data that are missing (following on with the fact these issues were raised last month and though some of the gaps were filled). Chiodo notes there are gaps in program data and billing data, but that utilities were responsive on some issues, but not all. Chiodo walked through open data on consumption from both utilities, and noted that the project data is still outstanding but less than the consumption data at this point. Chiodo preparing memo.
 - b. C&I - Jacobson C1635 – winter metering getting in place, but DNV has a great deal of site work and are behind. Jacobson had a special meeting with them on the issue and is working on it. For this project, there are 150 sites for metering, and they have other large NE projects but they have had some people leave. Jacobson asking for revised schedule confirmation. C1644 – Getting customers to respond to survey has been very challenging and short term plan to address it we reached-out to utilities last week for better customer contact information, with a delay during the holidays. Utilities note that there may not be better contact information, but note that utility close-outs are happening, so there is likely to be a delay. Not sure what else to do on cases without better information, so in those cases, they may ask the Utility to do the reach-out. Avoiding holidays is probably necessary; don't put that blame on utilities. Below targets for statistically valid responses on these surveys and may end up hearing more about that later. Suggestion to consider offering customer incentives, as they do on the residential side. Suggestion on the new round of proposals that we identify whether incentives are offered (to get faster / better response). Prah notes norm for non-participants, but not usually for participants, but that may be changing.
 - c. Res – Skumatz 1613 expecting data this week to finalize the project. RASS, MF, and SF project is awaiting the weighting data shortly, and when that is delivered, the draft reports will be delivered shortly thereafter. 617 Ductless Heat Pump, expecting report December / January, but may need internal review by our team before it goes to Committee.

d. Res – Wirtshafter – 1707 RNC NTG study was reviewed, report being updated and expect final in December and will then schedule presentation, and will then be done except confirming data delivery. HVAC study, Wirtshafter walked through results with contractor, and they continue to updating analyses with new / replacement data. MF awaiting weighting data from utilities. Builds up from the RASS – weights developed for that, and then the weights delivered to the SF and MF subsamples. Then reports follow fairly quickly thereafter.

6. Other items –

- a. Update on DEEP / NEEP M&V 2.0 Grant or other projects. 2 weeks ago NEEP meeting had an update. Overview, finishing up C&I and moving to residential side.
- b. Year end invoice question: working to beat Dec 14 for end of year invoice; Eversource says for contractors the dates are by 14th to be paid by EOY, with true-up in January. Some conflicting dates internally. UI is also ok with the 14th.

Finished 10:50.

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

- Updated Gantt Chart & Project Status Summary & data timeline report
- E-votes / call notes (attached / bottom of agenda)
- Recommended Three-year evaluation plan
- Minutes (Nov)
- SERA Invoice (Nov)

Summary of 2017-18 Votes To Date –UPDATED

2017	Minutes for the month	SERA Invoice
Dec 2018		•
Nov 2018		•
Oct 2018	Passed (O'Connor, Dornbos e-vote 11/16) Deep?	• Passed (O'Connor, Dornbos e-vote 11/16) Deep?
Sept 2018	Passed (O'Connor, Dornbos e-vote 11/16) Deep?	• Passed (O'Connor, Dornbos e-vote 11/16) Deep?
Aug 2018	PASSED: O'Connor 9/25; Duva 9/28; Dornbos 10/1	• PASSED: O'Connor 9/25; Duva 9/28; Dornbos 10/1
July 2018	PASSED: (Dornbos 9/6, O'Connor 9/7 AYE); Gorthala 9/7 abstain; DEEP approve 9/12)	• PASSED: O'Connor 9/25; Duva 9/28; Dornbos 10/1
June 2018	PASSED: (O'Connor & Gorthala 7/9; Melley 7/31)	• PASSED: (O'Connor & Gorthala 7/9; Melley 7/31)
May 2018	PASSED: (O'Connor Abstained 6/18; Gorthala in favor 6/18; Melley in favor 6/26; Dornbos 7/6)	• PASSED – (O'Connor 6/18; Gorthala 6/18; Melley 6/26; Dornbos 7/6)
April 2018	PASSED – (O'Connor 5/17, Melley 5/22, Dornbos 5/31)	• PASSED – (O'Connor 5/17, Melley 5/22, Dornbos 5/31)
Mar 2018	PASSED – (O'Connor 5/17, Melley 5/22 with edit to add her attendance, Dornbos 5/31 abstain)	• PASSED – (O'Connor 5/17, Melley 5/22, Dornbos 5/31)
Feb 2018	PASSED – (O'Connor 3/14, Gorthala abstains 3/14; Melley 3/21, Dornbos 4/6)	• PASSED – (O'Connor, Gorthala 3/14; Melley 3/21, Dornbos 4/6)
Jan 2018	PASSED – (O'Connor, Gorthala 3/14; Melley 3/21, Dornbos 4/6)	• PASSED – (O'Connor, Gorthala 3/14; Melley 3/21, Dornbos 4/6)
Dec 2017	December minutes –PASSED – (O'Connor and Dornbos 1/9; Gorthala Abstained not present 1/9, Deep approved to approve in 1/17/18 email with question / question answered).	• Invoice thru 12/13 - PASSED EVOTE / Distrib 12/13; In favor Dornbos, Gorthala, O'Connor 12/14. • Est invoice thru EOM – PASSED EVOTE (Distrib 12/21; In favor O'Connor and Gorthala 12/21; In favor Dornbos 12/22.
Nov 2017	PASSED vote during meeting 12/11/17 (O'Connor / Melley / Gorthala)	PASSED vote during meeting 12/11/17 (O'Connor / Melley / Gorthala)
Oct 2017	PASSED e-vote Melley (11/8), Dornbos (11/14), O'Connor (11/14, reiterating vote during meeting)	PASSED e-vote for Aug-Oct Invoices – Dornbos, O'Connor, Gorthala, Melley (11/14).
Sept 2017	PASSED e-vote Melley, Dornbos, O'Connor 10/13; Gorthala 10/14.	See above
Aug 2017	PASSED-e-vote O'Connor, Gorthala 9/11; Melley 9/12; Dornbos 9/19.	See above
July 2017	PASSED-e-vote O'Connor, Gorthala 9/11; Melley 9/12; Dornbos 9/19.	PASSED e-vote O'Connor, Melley, Gorthala 9/13; Dornbos 9/19.
June 2017	PASSED-e-vote O'Connor, Dornbos, Gorthala passed 7/10/17; Melley abstains (minutes too long, not always accurate)	PASSED-e-vote O'Connor, Dornbos, Gorthala passed 7/10/17
May 2017	PASSED-in meeting O'Connor, Gorthala, Melley (6/12/17)	PASSED-in meeting Gorthala, O'Connor, Melley (6/12/17)
April 2017	PASSED-Evote OConnor, Gorthala (5/31/17); re-sent 6/9; in favor Dornbos, Melley (6/12/17)	PASSED-Evote OConnor, Gorthala (5/31/17); re-sent 6/9; in favor Dornbos, Melley (6/12/17)
Mar 2017	PASSED-Evote O'Connor, Dornbos, Melley, Gorthala 4/13/17	PASSED-Evote O'Connor, Dornbos, Melley, Gorthala 4/13/17
Feb 2017	PASSED-Evote O'Connor, Melley, Gorthala 3/9/17	PASSED- Evote O'Connor, Melley, Gorthala (3/9/17)

Jan 2017	E-vote O'Connor 2/6, Gorthala 2/6; re-sent out for third vote 7/10/17	PASSED- Evote O'Connor, Melley, Gorthala (3/9/17)
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Other Votes / Meetings / Tracking – UPDATED

December 2018

- 12/7 Evaluation Plan follow-up call

November 2018

- 11/30 Evaluation Plan Meeting with Committee / stakeholders

October 2018

- 10/31 data meeting C1634
- 10/15 Data call re R1603
- 10/17 Data meeting R1706 RASS
- 10/12 – R1617 HVAC Presentation
- E-vote complete: R1634 revised scope/budget: in favor Dornbos 10/2; recirculated 10/9; in favor O'Connor 10/9. 2-0-1 (no response DEEP) (passes).

September 2018

- 9/14 – C1641 Presentation
- 9/13 – R1617 Working group meeting
- 9/12 – EEB reapproval of SERA contract
- 9/11 – C1641 posted final
- 9/5 – Review Draft of R1709 NEI study circulated for comment – 2 week review period
- 9/5 – Final report for R1613/1614 HVAC posted

August 2018

- 8/9 - R1707 RNC NTG Review Draft circulated for comment – due 8/30

July 2018

- 7/18 – Technical presentation on R1702 Codes & Standards

June 2018

- 6/28;7/5 – R1702 Codes and Standards Finalized report issued
- 6/13 – data call C1634
- 6/6 – Kickoff C1644

May 2018

- Data call UI – R1603
- 5/15 – Data call, C1635
- 5/10 – R1702 Codes and Standards Draft report for committee review

April 2018

- 4/2 – Presentation C1639 SBEA
- 4/10 – Data Call C1634 Request #1
- 4/23 – HES & IE Impact Data and program discussion
- 4/25 – C1630 report posted

March 2018

- 3/20 – HES & IE Impact Kickoff
- 3/21 – Kickoff for SF and MF On-site Studies (R1616, R1705)

February 2018

- 2/6/18 – EA Team memo on viable project / oversight combinations
- 2/15 – Data Request #1 call C1635
- 2/27 – DHG Working Group meeting R1617

January 2018

- 1/25/18 – Review draft C1630 distributed
- 1/19/18 - EA Team Sent note to contractors on project status
- 1/17/18 – PASSED – Add \$70K to budget for R1641 (discussion & memo in eval committee meeting). Votes via email: O'Connor 1/8/18; Dornbos 1/9/18; Melley 1/17/18; Gorthala abstain 1/9/18 (not at meeting).
- 1/9/18 – one pager for EEB Board summarizing Eval Rec'm for sweep prepared; delivered / discussed with EEB by Skumatz.
- 1/9/18 – Motion / Memo on Sweep Passed. EA Team memo on Eval Rec'm for sweep – Projects and EA team budget recommendation – BOTH PASSED by committee (O'Connor, Dornbos, Gorthala with clarifications, 1/9);
- 1/4/18 – Review draft R1613/14 distributed

December 2017

- 12/1 - HES Process and Impact Data meeting
- 12/6 – Data Call R1707
- 12/11 - Memo (during meeting) reconfirming data cost allocations to projects (for utility notice), funds to draw temporarily from evaluation, authority for contractors to spend and re-submit invoices to utilities.
- 12/11 - Call between Skumatz /Swift on Sweep calculations / clarification of carryover treatments, etc.
- 12/11 – Vote in committee to augment budget of C1641 by \$70K
- 12/12 - VOTE APPROVE sweep approach - O'Connor sent EA team budget sweep revised memo from 12/11 meeting to committee; in FAVOR of general recommendations / approach: O'Connor (12/12), Dornbos (12/13), Gorthala (12/13) with conditions (O'Connor - try to work with DEEP on 1663; Dornbos – approve overall compromise effort / approach with clarifications; Gorthala – agree with Dornbos / address DEEP issues); DEEP abstains but raises issues / questions.
- 12/13 – Skumatz responded to DEEP question.
- 12/13 - EEB meeting on Sweep – Skumatz attended via phone.
- 12/13 - Skumatz attended Residential committee meeting to monitor regarding evaluation / sweep
- 12/12 - Skumatz and Chiodo(?) attended Commercial Committee meeting to monitor regarding evaluation / sweep
- 12/19 – Call with utilities to understand / discuss elements of budget sweep (Skumatz and others)
- 12/20 - R1602 RNC report presentation

November 2017

- 11/2 – Kickoff NEI project (R1709)
- 11/13-DR pilots programs info (R&C)
- 11/14 – PASSED October minutes
- 11/14 – PASSED SERA invoice Aug-Oct
- 11/28 – Impromptu data call R1707/RNCNTG

October 2017

- 10/2 - Data Processes meeting
- 10/4 – Data call – R1707 (RNCNTG)
- 10/5 – Data call – R1706, R1616, R1705 (RASS, Lighting, MF)
- 10/5 – Kickoff R1702 (codes and standards)
- 10/13 – Evotes requested on minutes (passed; see table above)
- 10/13 –PASSED - C1630 budget increase of \$5K (evote #2); In favor O'Connor 10/13, Dornbos 10/13; Melley no answer in 10/13 email; Gorthala abstain 10/14; Gorthala in favor 10/30.
- 10/16 – Data meeting NEI project (R1709)
- 10/20 – UI contracts approval process update meeting
- 10/30 – R1704 HES Programs update discussion

September 2017

- 9/5 – Discussion of UDRH
- 9/5 – Data request discussion 1706/1616/1705
 - 9/21 - R1615 LED NTG Project Presentation
 - 9/22 - R1706 RASS Kickoff
 - 9/28 - R1707 RNC NTG Kickoff
 - 9/29 - R1606 Behavior Retention Project Presentation

August 2017

- 8/1 – Meeting on recommendations for PSD revisions to Residential HVAC measures – boilers, furnaces, HPWH, circulating pumps
- 8/9 – presentation to EEB on data costs issue
- 8/11- Data cost call
- 8/24-Data request meeting 1630
- 8/25-Data cost call

July 2017

- EEB full board vote on Data memo passed
- 7/31 – Meeting on recommendations for PSD revisions to Steam Trap equation
- 7/23 – Meeting on recommendations from 1602 on UDRH

June 2017

- Approved / Passed – Memo Summarizing Mini-RFP Results (in favor O'Connor, Dornbos, Gorthala, 6/5/17)
- Approved / Passed – 2 parts / both approved: Approving Memo identifying extra costs to evaluation projects because of data issues from utilities and identifying the assessment to each utility and recommending addition to each of the project budgets, with the money to be pulled out of funds that are not evaluation funds. (in favor O'Connor, Dornbos, Gorthala. 6/22/17)

May /June 2017

- None additional.

April 2017

- Interim Meeting -1617 DHP Working Group – 4/10/17

March 2017

- None additional

February 2017

- Approved/passed Evaluation Plan Update (votes in favor 2/8/17: O'Connor, Dornbos, Gorthala)

January 2017 Interim votes and interim committee meetings – not final

- Votes in favor of evaluation plan (in favor O'Connor & Gorthala 1/9/17; Dornbos 1/12 – passed). 1/24 DEEP votes against.
- December 2016 minutes passed (In favor 1/9 O'Connor, Melley, Gorthala, Dornbos).