



EEB Evaluation Committee Monthly Meeting

TUESDAY NOVEMBER 13, 2018 – 10:00-11:30 (meeting took about 35 minutes)

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/afnmsjeifohon4qz00tzgco28g7izvn3>

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#
www.join.me/SkumatzEconomics)*

COMMITTEE MEETING MINUTES

ATTENDEES: Wells*, Oswald, Ingram, Reed, Skumatz, Wirtshafter, Jacobson, Chiodo – No quorum

1. Public Comment - None
2. Approval of Minutes from previous 2 meetings (received 11/13) – deferred to EVOTE because minutes received this morning and no quorum.
3. Non-Project Updates and Issues
 - a. Review Interim progress / highlights; Interim e-votes and meetings (including some data meetings); reviewed highlights from third page of agenda.
 - b. Status of Data requests and deliverables – Timeline report discussion:
 - C1634 – custom data is difficult, and recognize work and efforts of utilities to work on it. However it is taking time and efforts for contractors to continuously follow up on the data / much to do. Chiodo mentioned she hopes there won't be budget implications but will check – she does not want to get into the position of losing statistical confidence in the analysis work because of time spent on data. Oswald noted that they are behind, partly due to a change in IT procedures, and instead of being able to run a batch dump of all attachments to the desired project, the attachments need to be downloaded individually. Ingram noted that there may be quality / clarity differences in naming of files, etc. because some are older or there has been personnel turnover, etc. Chiodo notes that with new construction, the projects may be new, but utilities often started engaging with the customer 4 or more years ago, so some files are older.
 - R1603 – Issues here are more with the contractor – the utilities seem to have sent the data but the contractor missed that savings may be aggregated, while program data may be for individual units (in MF) making some individual records look like they have very big savings. Contractor is reworking the data with this updated understanding (Eversource). UI believes they sent information but have not heard additional feedback from the contractor..
 - RASS – Had data meeting on options for how to get data needed for weighting. Agreement on an acceptable option, and some data delivered by UI, but another

batch was expected last Friday / not yet receive. UI is on this and it may have just been uploaded or will be soon.

- c. SERA team invoices – September and October (sent 11/13) to be presented - deferred to EVOTE because document received this morning and no quorum.
4. Project Updates and Evaluation Planning Discussion
 - a. Evaluation Planning Process – Update – Project ideas submitted; being refined and scored for discussion at **11/29 meeting**. Materials will be forwarded prior to 11/29 meeting. Plan is to then take comments, revise, and discuss at 12/7 follow-up call – requested feedback on times that were unavailable for 12/7 so precise time can be scheduled (sent via email on 11/13). Then vote in Evaluation Committee’s Monday December 10 meeting. Then budget to EEB for vote. **REMINDER: BLOCK OUT 11/29 FOR IN-PERSON MEETING 8:30-3:30/4-ISH. MEETING TO BE HELD AT 107 Selden St, Berlin CT.**
 5. Discussion of Projects / Status (and data) – *see Gantt & Project summaries-* Walk-through
 - a. Wirtshafter: R1707 - final review, report posted any day now; will look for presentation date. R1603 – data meeting and were getting large savings, but now that the source of those large observations is understood, contractors will revise the analysis. R1705 MF – Need weights (from UI data) to finish next steps.
 - b. Skumatz: R1614 HVAC – report and appendices posted, final presentation held, and project will drop off chart. R1616 Lighting – connected to RASS – and RASS (R1706) both awaiting weighting data. R1617 – revised savings tool and memo forwarded by contractor and Prah and Wirtshafter have commented but awaiting Skumatz comments to finalize. R1709 NEI – integrating comments from reviewers to finalize and hold presentation.
 - c. Jacobson: C1641 complete and will disappear from list. C1644 – surveys are in field after some delay and expecting to still be within 1-2 weeks of original schedule. Report expected early 2019. C1635 EO impact with cold weather is transitioning emphasis to gas sites, recruiting and making appointments. Eased up on non-weather dependent sites in preference for gas temporarily but will return.
 - d. Chiodo: C1634 – Installed summer meters and are leaving in for duration. Recruiting for winter metering and would like full complement this winter but worried a little as still looking for program files. Hope not to have to meter next winter but hard to tell at this point.
 6. Other items –
 - a. Ingram – Invoicing. Noted that Need contractor invoices (for November?) by December 6, and for EOY need all invoices by December 27 at the latest (estimates ok). Will send email if this is not correct. UI notes that all funds are accrued anyway and this is not an issue / held on books already. What is needed in 2019 will be carried over.
 - b. Quick discussion of NEEP meeting – looks like VT got an ARRA grant for ami metering and follow-on studies that let them get a jump on others.

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

- Updated Gantt Chart & Project Status Summary & timeline report
- E-votes / call notes (attached / bottom of agenda)
- Minutes from 2 previous meetings
- SERA Invoices (2 months)

Summary of 2017-18 Votes To Date –UPDATED

Minutes & Invoices Approvals – E-vote C1634 complete – 2-0 or 2-0-1;

2017	Minutes for the month	SERA Invoice
Oct 2018	To be considered in Nov meeting	<ul style="list-style-type: none"> To be considered in Nov meeting
Sept 2018	To be considered in Nov meeting	<ul style="list-style-type: none"> To be considered in Nov meeting
Aug 2018	PASSED: O'Connor 9/25; Duva 9/28; Dornbos 10/1	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> PASSED: O'Connor 9/25; Duva 9/28; Dornbos 10/1
June 2018	PASSED: (O'Connor & Gorthala 7/9; Melley 7/31)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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)	<ul style="list-style-type: none"> 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).	<ul style="list-style-type: none"> 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)

Other Votes / Meetings / Tracking – **UPDATED**

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. No word from DEEP. 2-0 or 2-0-1 or 2-1 vote (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).