



EEB Evaluation Committee Monthly Meeting

MONDAY FEBRUARY 11, 2019 – 10:00-11:30 – *Likely a short meeting (lasted 45 min)*

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/m25pwbjlc2dt2dliihmijg4hnifc5ra>

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: O'Connor*, Duva*, Wells, Oswald, Lano, Ingram, Skumatz, Jacobson, Prah

1. Public Comment - None
2. Approval of Minutes from January 2019 - EVOTE
3. Non-Project Updates and Issues
 - a. Review Interim progress / highlights;
 - Interim e-votes and meetings (see bottom of agenda).
 - Upcoming meetings - None
 - Status of Data requests and deliverables – Timeline report discussion
 1. Jacobson – EO data request will be discussed with project discussion.
 2. HES Request 3a by UI met by Oswald.
 - b. January SERA team invoice - generally on-track / a little more than proportional from preparation of RFP; EVOTE
4. Discussion of RFP progress
 - a. Update on number of intents to bid. More responses than last time. Sent to lists from CT, NH, AESP, IEPEC websites; 23-24 intents to bid; strong interest in the pools). Assembling responses to Q&A to be sent to those completing Intent to Bid.
 - b. Reminder of schedule – Proposal responses due 2/28.
5. Discussion of Projects (Gantt, Project Summary Reports Provided monthly w/spend)
 - a. Jacobson – C1635 EO impact evaluation – good progress on gas metering installed for winter. One more site of 32 to do. Have metering in for all electric sides, and half the site visits done and 12 more scheduled. Wants to talk about upstream metering. Holding out for data from UI. Haven't provided data from UI; got quickly from Eversource. Holds up evaluation sample design. Although UI (likely) has the same data, UI has been directed by management not to provide to project. Holding up evaluation. Relevant point is whether UI agreed to provide / signed off on data provision up-front at project planning. Upstream impact evaluation was delayed because program had a change; initial data requests (and

potentially plan / agreement) may have omitted the upstream. Jacobson will investigate whether the data steps regarding agreement / official sign-off for data provision were all completed and report back to committee.

- b. C&I C1634 – Update on new construction impact evaluation – 116 completed measures (M&V plans), 4 site visits scheduled for Feb, and issue about over-runs on tracking data have been dealt with and no outstanding data issues going forward (past issues and missing data affected timeline to this point). Oswald received recent gas data request with incomplete contact information (missing even City), and he just got that refined information from consultant on Thursday or Friday, and is following up on that data request within his system. C1644 – NTG continuing to have problems getting customer survey completions. Wanted to provide chart (separate slide). Indicates status of quotas met (reproduced below). Met quota on lighting, but trying to produce some end use numbers but having hard time meeting quotas – especially on gas side (want 80, got 5 interviews covering 6 projects). What they have done is put together priority list to focus request for assistance from utilities (70 priority contacts; now pared to smaller subset, but still not enough for evaluation). Right column is minimum for which they need help from the utilities to support the evaluation. Lowest response rate Jacobson has ever seen. Low incentives, gatekeeper issues discussed some last time –Jacobson noted the consultants went through all the data provided; Eversource noted they are having to go back through customer records, and UI is in process of working through account executives and updating contacts that have turned over. Prahl notes fine line between account executives for contacts / asking for response vs. influencing responses; taking care. Jacobson notes a few contacts can really move project forward. So far have received only 1 updated contact from UI; need more. Eversource asked for updated prioritized list to make sure they are only looking up the ones still relevant; agreed.
- c. Residential projects: 3 residential projects (1616, 1706, and 1705) are at the same place. All had an issue with overresponse for some respondent types; worked with utilities to identify the best data available to use for re-weighting data to better represent the statewide population of households. Utilities provided data, weighting design decided, and moving forward. Three large-ish reports will be coming out at one time to us, and then after EA Team edits, then to committees. Utilities request a longer review time given all at once. Reports expected to be stand-alone, related, and consistent. UI got a bit confused about multiple data requests from one firm; Skumatz noted each request has project name and number at top, but some projects are managed by one firm.
- d. Other residential projects: R1617 – sent note asking when delivered, and meant to be delivered to EA Team late this month; then to Committee after edits. NEI complete and project done / posted. R1603 not discussed (by accident) – see Gantt.

Sum up – invoice and minutes to be delivered. Skumatz to check on data sizes for data retention needs going forward – needs to be protected. Next steps after getting data sizes, need to coordinate with utilities on data confidentiality requirements, and find location to house data going forward. In response to question, not sure when projects will be ready for contracting – 23 intent to bid vs. about 7 firms submitting last time. Will keep committee posted.

C1644 EO – Net to Gross

- The following table lists the surveyed projects by end-use and fuel type.
- Rows in green indicate completed end-use categories.
- When applicable, we have included notes regarding additional 18 priority contacts we are attempting.

Sample Stratum	Fuel Type	Total Project (Population)	Total kWh/CCF (Population)	Completed Interviews	Completed Sample Points	Completed kWh/CCF	Target	Priority Contacts
Controls	Electric	52	2,947,223	2	2	44,737	9	Two contacts (n=4)
Cooling	Electric	215	12,980,074	6	42	2,676,394	35	
Custom	Electric	147	5,316,081	6	16	529,181	33	Two contacts (n=19)
Heating	Electric	63	1,885,558	2	2	19,877	9	One contract (n=4)
Lighting	Electric	4380	254,580,178	20	74	14,081,553	67	
Motor	Electric	91	7,220,257	6	6	199,592	10	Two contacts (n=4)
Other	Electric	13	347,383	2	9	95,393	7	
Process	Electric	94	12,424,185	6	12	1,789,567	29	Two contacts (n=6)
Refrigeration	Electric	166	12,092,573	3	72	9,862,277	34	
Total Electric		5221	309,793,512	53	235	29,298,571	233	
Controls	Gas	53	250,632	1	1	1,498	24	One contact (n=7)
Custom	Gas	40	562,936	1	2	144,055	21	
Heating / DHW	Gas	226	1,578,666	3	3	25,515	35	Three contacts (n=12)
Other	Gas	6	49,081	0	0	-	7	
Process	Gas	49	1,586,902	0	0	-	23	Five contacts (n=11)
Total Gas		374	4,028,217	5	6	171,068	80	
Total Gas and Electric		5595		111	476		576	

6. Other items –

- Update on DEEP / NEEP M&V 2.0 Grant or other projects.

*** 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)
- Count of intents to bid received.
- Minutes (Jan)
- SERA Invoice – Jan

Summary of 2018-19 Votes To Date –UPDATED

	Minutes for the month	SERA Invoice
Mar 2019		
Feb 2019	O’Conor 4/1/19	Passed (O’Connor, Wells evote 4/1/19)
Jan 2019	Passed (O’Connor, Dornbos, Wells, 2/19/19)	Passed (O’Connor, Dornbos, Wells, 2/19/19)
Dec 2018	Passed (Duva, O’Connor, Dornbos e-vote 12/10)	Passed (Wells, O’Connor, Dornbos e-vote 12/13)
Nov 2018	Passed (Duva, O’Connor, Dornbos e-vote 12/10)	Passed (Duva, O’Connor, Dornbos e-vote 12/10)
Oct 2018	Passed (O’Connor, Dornbos e-vote 11/16, Wells 12/10)	Passed (O’Connor, Dornbos e-vote 11/16, Wells 12/10)
Sept 2018	Passed (O’Connor, Dornbos e-vote 11/16, Wells 12/10)	Passed (O’Connor, Dornbos e-vote 11/16, Wells 12/10)
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)

Other Votes / Meetings / Tracking – UPDATED

March 2019

February 2019

- 2/4 Final presentation on NEI study
- 2/7 Intent to bid and questions due

January 2019

- 1/28 RFP issued, with due date of 2/26/19

December 2018

- 12/7 Evaluation Plan follow-up call
- 12/10 Evaluation Committee passed 3-year Evaluation Plan by e-vote (Duva, O'Connor, Dornbos e-vote 12/10)
- 12/12 EEB Board passes 3-year Evaluation Plan in meeting
- 12/18 Evaluation Committee approves plan for steps in RFP process (12/18 O'Connor, Dornbos); also in favor (Oswald)

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 obtain 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).