



EEB Evaluation Committee Monthly Meeting MINUTES

Monday January 8, 2018 – 10:00-11:30

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/o6jchddyw2pse7bgee73yhtj03yzpkuz>

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

Attendees: O'Connor*, Gorthala*, Melley*, Lewis*, Duva, Swift, Ingram, Oswald, Prah, Skumatz, Chiodo, Jacobson, Wirtshafter.

Guest: Franks.

Public Comment

Approval of Minutes from December meeting – Request for E-vote.

Non-Project Updates and Issues :

- a. Review Interim progress / highlights - Interim e-votes and meetings – List of meetings, votes, presentations read from bottom of agenda. Draft of HVAC report out end of last week (two weeks of review).
 - b. SERA team invoices – No new invoice for December - Evoted during month of December.
 - c. Contractors submitted December invoices / will true up any differences with accruals in January invoicing. Percentages between utilities now all caught up. True-up spreadsheets were tracked.
2. Discussion of Projects / Status (and data) – *see Gantt & Project summaries*
- a. Walk-through of Projects / Monthly Status Report – focus on Gantt “changes” and status of new projects; update on results of call / meeting on “new” steps for projects
 - C&I Projects (Chiodo & Jacobsen) – C1630 report is being finalized; C1663 process evaluation continues to be on hold; C1634 on hold; 1662 had started in fall but on hold. C1639 draft from contractors will be out for review soon; includes realization rates for multiple measures (lighting strongest). C1641 has a few more projects to complete (some recruitment issues) not 100% done but reviewing 79 projects that are complete. C1635 on hold / lost winter metering; C1644 on hold.
 - Residential Projects (Skumatz & Wirtshafter) – complete 1602, 1606; Process report out for review; 1615 complete, 1616 mostly on hold except coordination; 1617 DHP is moving forward after delays for poor response rate / required revising analysis; 1702 underway and expect draft soon; 1704 on hold except minor coordination; RASS sent first 10K wave of outreach for surveys and going relatively well; 1707 RNC NTG Delphi panel has been recruited and moving along; NEI nearing lit review end and about 20% complete; all last five projects on hold except HES study had a data

request so it could be coordinated with HES process in case either or both proceed. MF study similarly had enough work to coordinate with RASS.

- Question: for a few (mostly residential) projects the percent spent exceeds percent done; confirmation from Skumatz projects are catching up and we do not expect the projects to end up behind.

3. Discussion of Evaluation as part of 2018 Budget Sweep

- a. Review EEB, DEEP, Discussions with Utilities, figures / recommendations – Skumatz reviewed the prepared memo, with emphasis from first 3 pages. Reviewed DEEP letter and previous EA Team recommendations and clarified status of some of the projects. Two commercial projects must spend in 2019 – one was always a part-2019 project in the 3 year plan (included 2018 participants – 1662). The other project was unexpected in 2019, but UI contracting delays forced delay of winter metering by a year. Those projects now must continue into 2019 / significant shift. Total 2019 is \$1.3 million. Want to defer minimum of other projects to not commit all (potential) 2019 funds. DEEP’s “Keep” budget from Appendix A (Made a set of recommendations that met two of the goals we took away from the DEEP memo – No more than DEEP’s total in 2018, and no more than \$9 total for plan.
- b. Revised C1663 – revised EA Team recommendation: Keep 1/3 (DEEP recommended cut 100%). Rationale: re-scoped to focus on most important measures.
- c. Revised C1662 – revised EA Team recommendation: Cut 20% (DEEP recommended cut 100%). Current PSD baseline is likely rebating market baseline measures, and focus NTG on most important measures.
- d. Noted incorporation of \$70K for 1641 committee previously voted on.
- e. Other projects recommended to move forward and not delete per DEEP list: HES process, NEI, Key rationales presented in memo. Important non-research rationales also noted (CT reputation, cancellations / continual delays lead to poor bids in future with mediocre firms and high risk premiums, avoids cancelling existing contracts, and delays of decisions threaten timely completion of projects).
- f. Even with these revisions, the plan meets our read of the two main DEEP features of the DEEP Attachment A list: Not exceed a certain cap for 2018; not spend more than \$9 million for 3 year plan projects. Driven largely by the explicit recognition that 2 commercial projects must continue into 2019.

Very long heated discussion on multiple items. First item was Process (whether DEEP is considering input from Evaluation committee and EEB); DEEP asked for report-out of dollars spent by project (SERA noted the requested information was included in the appendices of the memo).

DEEP noted they have made a decision and their 2018 list weighed their priorities. Pushback that major items (3 topics) were not discussed in EEB so DEEP decision is not informed by those discussions (yet) and they will still be discussed by EEB. Discussion of second-guessing DEEP vs. input/discussion process.

Long discussion of cash-basis accounting vs. accrual and understanding of \$9 million for specific list of 3 year 2016-18 Plan of projects. Understanding of all attendees except DEEP is \$9 million for 3-year plan / list of projects and clearly stated for multiple years, memos, calls, Plan; long, consistent paper trail. DEEP now suggests that dollars for 2015 projects that carried over to 2016 should be included; strong pushback. Long discussion.

DEEP states cannot count on any funds in 2019. Pushback from Swift, EA Team, and others that ISO can't be met without the two commercial studies that will and must continue into 2019. Contracts are in place for the totals. Concern by committee that DEEP seems to be saying you can count on 2019 (for DEEP's list that implies it is 2108) but you can't (for the list that EA team recommends). One central core of difference appears to be DEEP explained they only are counting funds for 2018 budget – can't count on 2019 funds, even though some of the 2018 expenditures will continue to 2019. The budgeting approval will come from 2018 and 2018 (carryover) dollars. DEEP's plan counts on carryover money from 2018 to 2019 that we have apparently not been able to carry over in the past. This funding carryover commitment must be able to be counted on so these ISO-critical projects may complete.

Further project decision delays threaten projects being completed in 2018 / timely way.

DEEP requests companies and EA Team compare expenditures for projects (SERA numbers in tables). Request for companies to review dollars in EA Team appendices. DEEP questions whether more than \$9 million will be spent (numbers provided in tables total less than \$9 million).

EA budget discussion: Historically 50% of budget is fixed cost, reviewed types and number and budget of projects and stages. The 3-year Plan project list is back-loaded because of delays (from RFP process, data delays, and contracting delays). As a consequence, the total budget to be overseen is larger than previous year, making cuts difficult. Only with committee cooperating in streamlining of EA communication, decision-making, etc., will any cuts be possible. Conclusion is that our maximum 13% reduction vs. 33% reduction (DEEP potential) is \$48K, which is only 1.2% of evaluation's 1.9% of total program budgets. EA team made it clear we cannot conduct the work under that extra budget cut.

Discussion of \$70K budget addition for 1641; utilities need confirmation this additional budget was approved in December meeting. DEEP noted they voted in favor / should clarify December minutes as well. Clarified / confirmed.

We should follow-up with E-vote for Budget sweep memo and E-vote for minutes.

4. Other items - no other items discussed.
 - a. Update on DEEP / NEEP M&V 2.0 Grant or Gorthala project.

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

- Updated Gantt Chart & Project Status Summary
- E-votes / call notes (attached)
- Memos on data cost funding, carryover dollars
- Memo on Recommended cuts to comply with budget sweep
- Minutes from Nov meeting
- SERA Invoice
- Budget memos

Summary of 2017 Votes To Date –

Minutes & Invoices Approvals

2017	Minutes for the month	SERA Invoice
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Dec		<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	PASSED vote during meeting 12/11/17 (O'Connor / Melley / Gorthala)	PASSED vote during meeting 12/11/17 (O'Connor / Melley / Gorthala)
Oct	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	PASSED e-vote Melley, Dornbos, O'Connor 10/13; Gorthala 10/14.	See above
Aug	PASSED-e-vote O'Connor, Gorthala 9/11; Melley 9/12; Dornbos 9/19.	See above
July	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	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	PASSED-in meeting O'Connor, Gorthala, Melley (6/12/17)	PASSED-in meeting Gorthala, O'Connor, Melley (6/12/17)
April	PASSED-Evote O'Connor, Gorthala (5/31/17); re-sent 6/9; in favor Dornbos, Melley (6/12/17)	PASSED-Evote O'Connor, Gorthala (5/31/17); re-sent 6/9; in favor Dornbos, Melley (6/12/17)
March	PASSED-Evote O'Connor, Dornbos, Melley, Gorthala 4/13/17	PASSED-Evote O'Connor, Dornbos, Melley, Gorthala 4/13/17
February	PASSED-Evote O'Connor, Melley, Gorthala 3/9/17	PASSED- Evote O'Connor, Melley, Gorthala (3/9/17)
January	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 and Meetings

December 2017

- 12/1 - HES Process and Impact Data meeting
- 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).