



## EEB Evaluation Committee Monthly Meeting - MINUTES

Monday December 12, 2016 – 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/oej62gmfcdrf4hifzuj82jhts7d25qw>

**NEW Call-In Number: 303/900-3524; WEB Access: [www.uberconference.com/skumatz](http://www.uberconference.com/skumatz)**

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

*[www.join.me/SkumatzEconomics](http://www.join.me/SkumatzEconomics))*

### MEETING MINUTES

**Attendees: O'Connor\*, Emily Lewis (Acadia), Oswald, Melley\*; Pahl, Wirtshafter, Skumatz, Chiodo, Wirtshafter, Swift joined partway through meeting.**

**Guest: Franks on phone.**

1. Public Comment - none
2. Approval of Minutes from November meeting (Skumatz)  
October minutes vote (Motion / Second by O'Connor / Melley); not enough voters / tabled. Vote later.  
Vote on November minutes later also.
3. Non-Project Updates and Issues (Skumatz, all):
  - a. Review Thursday reports and highlights; review interim meetings & votes
    - Walk-through of status for UI and Eversource. Data status note distributed and discussed by project. Note Oswald in meeting, Swift absent. Walked through by project. 1613/4 program goals (UI / Oswald expects shortly). 1602 needs listed on memo (some progress); 1639 down to participant data doesn't have account numbers so can't link and draw sample and going on for months / Eversource data more problematic (August data request; delaying sample draw / Critical); 1641 retro-commissioning data request August – a problem that info is not centrally available and on many separate engineer harddrives and if can't find 15% of projects after months, should the savings be allowed to be counted? They can't be evaluated (UI better than Eversource on this). Brief discussion of approach used in CA, issue of parallel tracking systems.
    - O'Connor expressed considerable concern about the data issues and the fact it is an on-going issue. She will schedule a separate meeting specifically on this data issue to get this moving.
  - b. SERA team invoice and contractor invoice procedures for End of year. Note we expect to have heavy December. Voting for invoices will happen through email.
4. 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

## Residential Projects (Skumatz & Wirtshafter & Prah)

- Wirtshafter – 1615 moving along, no data issues.
- Skumatz – 1606 data questions were addressed and expect draft results shortly. 1602 RNC – not mentioning data, but data issues mean we won't have interim memos done this year and those interim memos may be rolled into final report. 1613/14 – interviews being conducted; field work shortly; data issues. 1617 – some data missing (UI says this may come shortly); this involves working group – next meeting will be scheduled after we get and review / revise next deliverables from the consultants.

## C&I Projects (Chiodo & Jacobsen & Prah)

- Chiodo - 1630 moving along. Engineers in field and pulling summer loggers and deploying winter loggers. Coordination with utilities seems to be going ok. When Chiodo reviewed data and noted some summer demand for some winter projects and highlighted to consultants.
- Jacobson - 1630 – Lighting impact has just gotten Utilisafe clearance so some progress beginning. Non-lighting not proceeding well because of data issues (don't know what is done on a site). Process evaluation is significantly delayed because of data. 1641: missing data sufficient to go to field for Eversource (just received about 80% of data recently, so looking promising); some UI data to allow some progress. 1663: have decided to wait until beginning of 2017 to get process evaluation to cover 2016 participants. Heads-up that we need preliminary data in first 3 weeks of 2017.
- Data status / considerations and options – discussed earlier.

5. Discussion of timing of 3 year budgets for evaluation / carryover – related to invoicing and the fact there is a 3-year budget helps. Updated spreadsheets to be delivered with this in mind. Note this means 2017 budget will be much higher as we carry over and start projects. But won't go over total allocated for 3 year period. Discussed budgets for carryover for projects, and procedures for end of year invoices -
6. Discussion of roadmap procedural changes – Main change of note is the newly proposed procedures for system for tracking updates to PSD and programs that people liked when we last discussed it. This procedure will no longer be provided piecemeal as each project report becomes available, but aggregates the results of all the studies since last PSD update into one document – more easily tracked and more efficient. Plan is EA memo; then utilities work on PSD updates; they send memo replying on what used / not used; EA respond on critical omissions. Timing for PSD update is summer and fall, so memo we're talking about should happen in spring to be timely (March/April). Memo we get back from Utilities about what will / won't be in the PSD is October or thereabouts. One note is that if critical report comes out later than March / April, they may allow draft results in, or bring in results later if the information is a critical improvement over existing results (this would be exception). Clarification of review process, including Technical Consultant input into PSD updates. Joe notes that part of the filing in the Plan includes a memo noting the changes that were incorporated, and that may be useful to review as well (about Chapter 8 or 9 of plan).
7. Preview on Evaluation Plan Meeting and follow-on steps (Prah) – About to have multi-hour meeting on this topic. Sent solicitation for project concepts in November; reviewed those plus projects that hadn't yet started, and prioritized. Propose to add 7 studies and drop 4 and will discuss in detail in next meeting. Want committee feedback, prepare memo on recommended studies; put out for vote and send mini-RFPs to get studies started. Goes out to the pool of pre-qualified firms.

8. Update on DEEP / NEEP M&V 2.0 Grant – January we'll have an update.

Meeting ended early.

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

- Updated Gantt Chart & Project Status Summary
- E-votes / call notes (attached)
- Minutes from last meeting
- One pagers (none this meeting)
- Latest Thursday report
- Edited Roadmap

### **Summary of interim meetings and votes in January 2016**

- 1/11/16 – to extend SERA contract until June 30 – passed;
- 1/25 – Committee conference call on first 2 C&I projects – no votes
- 1/27 – 3 votes in favor of approving choice of Res contractors; directed utilities to begin contracts; C&I contracts approved in Dec.

### **Summary of interim meetings and votes in February**

- 2/12 – Vote to Approve C1630 passed (O'Connor, Dornbos, Gorthala)
- 2/8 – Vote to approve C1639 passed (O'Connor, Dornbos, Gorthala)
- 2/9 – Vote to approve SERA team invoice for Dec / Jan passed (O'Connor, Dornbos, Gorthala, Duva)
- 2/22 – committee call on Evaluation project list
- 2/23 – presentation on R91
- 2/26 – Vote to approve 3 year evaluation plan memo (2/9, revised 2/26 after 2/22 input from utilities) passed (O'Connor, Gorthala, Dornbos)
- 2/29 – vote to approve memo to EEB committee on evaluation plan (O'Connor, Gorthala, Dornbos)

### **Summary of interim meetings and votes in March**

- 3/7 – Presentation of R32 (HER retention), R33 (Database improvement), R154 (lighting onsites)
- 3/9 – Skumatz presented at EEB meeting
- 3/14 – Presentation on R91 impact evaluation / engineering differences report.
- 3/14 – Webinar on Impact Evaluation methods
- 3/24 – Presentation on R151 and 2 C&I one-pagers

### **Summary of interim meetings and votes in April**

- 4/11 During monthly meeting – PASSED - Clarifying Administrators responsibility for selecting contractors from within the competitive-RFP-qualified contractors to conduct specific evaluation projects. Passed (motion O'Connor / Gorthala). Voted in favor O'Connor, Gorthala, Dornbos proxy; None against; McCree abstain.
- 4/11 During monthly meeting – PASSED - Clarifying content of one-pagers and level of detail. Passed (motion O'Connor / Gorthala). Voted in favor O'Connor, Gorthala, Dornbos proxy; None against; McCree abstain.
- 4/11/16 – R4Plus Report Presentation. Presentation by NMR.
- 4/16/16 - Approved - One pager for C1641 approved including both optional -- with 3 votes (O'Connor, Dornbos, Gorthala on 4/14-4/16)
- 4/18/16 – Discussion of Residential One-Pager Drafts (R1615 LED NTG, and R1606 Retention of HERs). Attendees O'Connor, Oswald, Swift, Melley, McCree, Reed. HERS: timing questions. Note in future there will be gas elements. Lighting Project R1615: Interest in specialty bulbs. Prospective more important than retrospective / assessing trajectory. Elements of lifetimes would be helpful.
- 4/18/16 – Non-Energy Impacts. Attendees O'Connor, Oswald, Swift, Reed, O'Neill (GreenBank), Griffith (SWA), Rosenthal (Optimal), Smeden (Eversource), Thompson (Synch). Handouts distributed / posted.
- 4/23/16 – approve SERA Feb and March invoices (in favor O'connor, Dornbos, Gorthala, Duva)

### **Summary of interim meetings and votes in May**

- 5/16/16 – Evaluation Committee call to discuss two one-pagers – R1613/1614 (HVAC and DHW impact) and R1602 (RNC)
- 5/16/16 – Evaluation Committee call to discuss BES and PRIME programs – utilities / administrators / evaluation consultants – to better understand program design and delivery.
- 5/20/16 – Approved – one pager for 1615 (LED NTG) – with 3 votes (O’Connor, Dornbos, Gorthala)
- 5/20/16 – Approved – one pager for 1602 (HER Persistence)– with 3 votes (O’Connor, Dornbos, Gorthala)

### **Summary of interim meetings and votes in June**

- 6/13 – Meeting to discuss residential one-pagers (R1613/1614, R1602, and R1617) – attendees Lewis, Dimetrosky, O’Connor, Oswald, Swift, Reed, Franks, McCree, Melley. R1613/14 Discussions of baseline, free ridership, data timeframe, and upstream issues. R1602 discussed question of code change timing, MF vs. SF, lighting calculations, and non-program homes. R1617 discussed cold climate installations, integration with existing heating systems, onsite, and adjustment factor options. These points to be considered in revisions of one-pagers.
- 6/29-7/1 – O’Connor, Gorthala, Dornbos, DEEP (Melley) to approve SERA April Invoice.
- 6/29-7/1 – O’Connor, Gorthala, Dornbos, DEEP (Melley) to approve 1602 (RNC) with extra \$25K budget allotment; 1 (DEEP) in favor of project with no extras.
- 6/29-7/1 – O’Connor, Gorthala, Dornbos, DEEP (Melley) to approve 1613/1614 (HVAC & DHW Impact).
- 6/29-6/30 – O’Connor, Gorthala, Dornbos to approve Legislative report; DEEP weighing in 7/7.

### **July interim votes and meetings**

- Workshop C&I 7/11 (C1630 Lgst Savers)
- Workshop C&I 7/18 (C1639 SBEA)
- 7/21 One-pager discussion R1617
- 7/22 One-pager discussion R1617
- 7/15-7/19 – C1630 Phase 2 Approved – 3 votes in favor (O’Connor, Dornbos, Gorthala); DEEP (Melley) abstained.
- 7/27 – Lori Lewis session on ECB realization rates / PSDs, etc.
- 7/26 – R1617 one pager approved (O’Connor, Dornbos, Gorthala, Melley)
- 7/27-8/2 - One-pager for C1639 approved – 3 votes in favor (O’Connor, Dornbos, Gorthala); DEEP against – to be discussed

### **August interim votes and interim committee meetings**

- 8/3 SERA invoice approved for May and June 2016 (Melley, O’Connor, Gorthala)
- 8/9 R113 final released to committee; later posted
- 8/18 R15 final released to committee; later posted
- 8/17 R1613/1614 UI PO issued (R1615, R1606 issued earlier)
- 8/26 R1602 UI PO issued

### **September interim votes and interim committee meetings – MAY NOT BE COMPLETE**

- 9/6 R1617 DHP UI PO issued
- 9/7 R1617 DHP Working Group Meeting #1
- 9/12 R113 project presentation (before regular committee meeting)

- 9/16 C1641 workplan walkthrough
- 9/19 One pager C1663 call / discussion; e-vote opened
- 9/22 EM&V 2.0 meeting / NEEP attended by some (new) team members
- 9/26 R1617 DHP Working Group Meeting #2

October interim votes and interim committee meetings

- 10/11 R1617 DHP Working Group Meeting #3
- 9/30-10/14 C1663: C&I (non- SBEA) Process Eval. One pager Approved - 3 votes in favor - \$700K budget, with no add-ons. (O'Connor 9/30, Gorthala 9/30; Dornbos 10/14).

November interim votes and interim committee meetings **NOT UPDATED /NOT FINAL**

- 11/2 R1617 DHP Working Group Meeting #4
- 11/4 SERA Team July / Aug invoice approved 3 votes (Melley, O'Connor, Gorthala 11/4)