



EEB Evaluation Committee Monthly Meeting - Minutes

Monday January 9, 2017 – 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/49ynx45xmdpfp0f9u2xm7k5fb2bf74im>

NEW 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

DRAFT COMMITTEE MEETING MINUTES

Attendance: O'Connor*, Duva*, Melley, Chiodo, Skumatz, Wirtshafter, Swift, Oswald, Gorthala*, Lewis (Arcadia), Reed.

Guest: Franks.

1. Public Comment - none
2. Approval of Minutes from December meeting (Skumatz)
Oct and Nov 2016 minutes approved by e-vote (votes 12/13). Circulate an Evote for December minutes.
3. Non-Project Updates and Issues (Skumatz, all):
 - a. Review Thursday reports and highlights; review interim meetings & votes
 - b. Data:
 - Interim meeting on data (O'Connor): Thanks for making time. Important to stay on top of data issues that come up, and sounds like some were resolved before the meeting and others were in the works.
 - Data memo distributed prior to meeting; Swift and Oswald noted individual items resolved and yet to be completed for residential and commercial projects (including C1639, C1641, R1617 and others). Also need a justification memo for the vendor selection for C1663 for UI.
 - c. SERA team invoice – December ones were approved and processed. True up with January invoice will be needed. Utilities will check on how accrual process works and whether we just adjust January or do a more complicated process.
4. Discussion of Projects / Status (and data) – *see Gantt & Project summaries (note Wirtshafter & Prah cannot attend this month's meeting)*
 - 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)
 - C&I Projects (Chiodo & Jacobsen)

- Jennifer Chiodo: C1630 moving along, working with utility account managers. C1639 finds more of the data issues are being resolved with allows them to draw samples. BES is also finding data are being delivered which is starting to allow progress. For C1663 a contractor section memo is needed.
- Residential: For R1606 the EA team has seen a preliminary memo. R1616 moving well and all tasks underway, and expect to finish in February. Largest task remaining is consensus group work for NTG. Swift interested in sales data modeling memo when it becomes available. R1602 interview work is underway, and interim memo on in-depth interviews in March. Additional interim memos will be rolled into report because of data delays. R1614/13 we are working out tradeoffs for budget / scope adjustments as data and other challenges have put project behind. R1617 have sent draft decision tree and associated survey, which EA team is revising for working group review.

5. Evaluation Plan – Discussion

- a. Document distributed, with list of recommended projects. Recommended budget exceeds \$9 million but will not be exceeded. Recommend retain projects in the evaluation Plan because 1) project budgets not known for certain until mini-RFP process; 2) want final project budgets to reach the full \$9 million total because the percent of evaluation to C&LM plan program expenditures is very low even at \$9 million; 3) data delays mean projects may not complete within 3 year plan (reducing 3 year budgets). Questions about formatting of Evaluation Plan table, which includes the laundry list of projects with a 1/0 indicator on which projects and budgets that are recommended for the Plan. Walkthrough, discussion / comments.
- b. Questions on timing of projects; Swift notes thermostat project not duplicative and needed for programs to update which models should be included/incentivized; many questions remain. Suggestion that R1611 (conversions) should be addressed by utility reporting requirements (condition 21 of 2016 plan and other regulations requiring tracking); however, process evaluation designed to document steps actually happening to note whether or not high efficiency coincidence is actually being achieved. DEEP suggests the tracking shows there are shortfalls (not presented); however, affects C&LM Plan projects. Swift suggests this isn't the simple review provided by reporting or duplicative, but needs deeper dive and should provide recommendations to company, and provide best practices for other projects. Question of whether there is a better source for the dollars to come from. R1616_R1708 question on timing, LED markets, and lighting standards. Wirtshafter notes the project timing is not immediate, but phased within the 3 year period (end use has largest savings). Saturation part needed sooner. Utilities and Reed note study results needed for savings, RR, bulb types, lifetimes, and other topics (e.g. support / not for LEDs based on national policy). Regarding market (national policy) uncertainties, delay in RFP cycle means some key uncertainties may be better settled. Question about C1635 budget sizes and whether onsite M&V costs may be able to be reduced (automated data for example). EA notes programs are very broad and sample helps identify what is happening in projects that are vs. not meeting savings; and automated mostly applies for prescriptive projects, not these studies (custom). There hasn't been much proven in automated data yet in commercial, and DEEP pilots are testing this; not yet proven / known / can't yet rely. Will be working with contractors to optimize studies and budgets. C1661 question on why study vs. requested guidance from ISO. EA notes project is not ISO (that is clear); it is examining best way to meet ISO for CT; review will identify whether there is room to not meet on one or more studies but meet portfolio-wide; companies not already doing (Swift notes need for optimization research). Looking for practices elsewhere, what companies doing,

recommendations to best meet requirements at reduced cost. R1648_1703 DR pilots has budget of \$50-\$300; MA experience shows importance of evaluation and roles so suggest oversight role at minimum (\$50K). DEEP notes they are pilots – Wirtshafter notes especially important to evaluate pilots where issues arise that affect full program design. O’Connor notes importance of pilot evaluation prior to full roll-out; independent EA team input important in process. Swift notes importance of evaluations and clarified that GDS is third party program oversight and pilot design; keep this project, and third party evaluation oversight is valuable (lower budget range) project. O’Connor / Swift wondered if SERA Team budget for this should come out of DR \$1 million fund (support / should look into). R1711 in/out depending on savings identified in 1602 project and will know within next week or two (and small budget). No other projects with question marks. Suggest e-vote of Evaluation Plan as it stands / will circulate.

- c. Next steps – Mini-RFPs to be drafted (Jan / Feb); expect all to be drafted / issued all at once to allow evaluation contractors to make tradeoffs in bids and for EA and committee to get the real budgets in total rather than piecemeal. Also allows EA team to refine and combine projects optimally. If some RFPs take longer, then may need to delay some. Committee gets another review at RFP stage.

6. Legislative Plan expected February / March; Document summarizing PSD and process recommendations gains economies from the preparation of the Legislative Report. Working for this memo in March / April.

7. Other items –

- a. Update on DEEP / NEEP M&V 2.0 Grant – working on admin; meeting monthly on progress on M&V 2.0; role of partners meeting in March. Multi-year project. Question on whether funds are allocated / locked in (question about DOE administration changeover and certainty of funds).

*** 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
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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, onsites, 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)

December interim votes and interim committee meetings NOT UPDATED /NOT FINAL

- 12/12 CT Evaluation Projects Planning / Ranking Meeting for all
- 12/13 E-vote for Oct and Nov meeting minutes – approved by evote (O’Connor, Gorthala, Melley; Dornbos approves Oct and abstains on November).
- 12/13 Approval of SERA team invoices for Sept, Oct, and Nov 2016 (O’Connor, Gorthala, Melley, Dornbos).
- 12/21 Call on data issues with utilities, Taren

January 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, Dornbos; Gorthala abstains / not present).