

JUNE 30 SAG EM&V Q&A

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Hi Karen. Thank you for the opportunity to comment.

I have a few questions/comments:

Re: the spreadsheet on ComEd AIU Res measures- why are only 2 ECM's included 2<sup>nd</sup> freezer & refrig? Where did the 54% and 35% NTG come from?

Re: The spreadsheet for the non0-residential measures – What is the source for these input values? How will the many N/A columns and missing values be found and inserted in the spreadsheet? Where will these inputs come from?

Re: Reporting structure - second bullet/option 2 seems reasonable and logical to the reader i.e., program-by-program arrangement. Proposed layout seems easy to follow and appropriate.

Re: Eval. approaches- Lighting & appliances- what is the difference between a site visit and a sit visit/in-home inspection in terms of cost/time and results/outcomes?

Appliance recycling- what is the difference between “engineering analysis” & “statistical modeling” – please explain each approach and what inputs will be used and how (what engineering analysis approaches and modeling approaches “ will be used. What is the difference between these two approaches in terms of cost/time/ results/outcomes?

Home energy performance- Explain how will site visits will be done – at what point in the construction stage? Does this apply strictly to new construction or retrofit/expansion as well? Explain how the billing analysis will be used and how the engineering analysis will be used and why there are two separate approaches. Will modeling be used as part of the billing or engineering analyses and if so please explain what modeling will be used.

Small C&I Intro kit – why will this approach get the eng review, survey and statistical modeling?

Retro/ C&I new construction/Street lighting- why isn't an evaluation strategy (on a tentative basis) decided now in the event that AIU will adopt these programs in 2010 or beyond? Isn't the appropriate time now to make the evaluation strategy and approach decision in terms of administrative efficiency?

Thanks,

Geoff

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ANSWERS FROM EM&V THUS FAR:

The spreadsheet for the non-residential measures – What is the source for these input values? How will the many N/A columns and missing values be found and inserted in the spreadsheet? Where will these inputs come from?

**The data in the nonresidential spreadsheet came from the program tracking databases of AIU and ComEd. This spreadsheet is a work in progress and represents**

the first of a two-step process. In this worksheet (and for AIU only), we have taken the information in the program tracking databases and looked at the values here compared to the values in the Technical Reference Manual (TRM) for the Act On Energy program. That is the source of all of the NA that are seen in the right hand columns for the ComEd measures. The review of the ComEd database is being performed by Summit Blue and they may be taking a different approach to this first stage.

Summit Blue: For ComEd, we will also compare assumptions in the tracking system with those in the TRM but that analysis is not far enough along to present at this time.

Small C&I Intro kit – why will this approach get the eng review, survey and statistical modeling?

**This is a question for SBC/Itron as they are the evaluation lead for this program.**

Summit Blue: We are not sure how to interpret this question. This is a program only offered by ComEd. The details of the approach are spelled out in the evaluation plan. To summarize, the survey will provide verification of receipt and installation. Given the size and scope of the program and that the anticipated savings are quite small compared to total participant consumption, engineering estimates adjusted with survey data is the most appropriate approach for the impact analysis.

Retro/ C&I new construction/Street lighting- why isn't an evaluation strategy (on a tentative basis) decided now in the event that AIU will adopt these programs in 2010 or beyond? Isn't the appropriate time now to make the evaluation strategy and approach decision in terms of administrative efficiency?

**We do have a write up of what could/would occur on these programs (in the appendix of the plan) that was done absent knowledge of the program design. To spend the time and effort to plan for a program that may not occur did not seem prudent. Our plan includes assessing the current status of the programs at the beginning of each program year and adjusting our overall evaluation plan. This discussion will occur next month (July).**

Eval. approaches- Lighting & appliances- what is the difference between a site visit and a sit visit/in-home inspection in terms of cost/time and results/outcomes?

**THERE IS NO DIFFERENCE. I BELIEVE THESE ARE THE SAME**

Appliance recycling- what is the difference between "engineering analysis" & "statistical modeling" – please explain each approach and what inputs will be used and how (what engineering analysis approaches and modeling approaches " will be used. What is the difference between these two approaches in terms of cost/time/ results/outcomes?

**THE ENGINEERING COMPONENT REFERS TO USE OF PREVIOUS STUDIES THAT HAD USED ENGINEERING MODELS USING METERED DATA FROM IN-SITU AND LAB METERING. I DON'T THINK WE SHOULD HAVE USED THE TERM "ENGINEERING MODELS" HERE. WE SHOULD HAVE SAID SECONDARY DATA FROM METERED STUDIES.**

**THE STAT COMPONENT REFERS TO USE OF SURVEY DATA THAT ARE BASED ON SAMPLES OF PARTICIPANTS AND NONPARTICIPANTS FOR NTG ESTIMATION.**

**THE AVERAGE SAVINGS IS BASED ON DISTRIBUTION OF MODELS IN THE PROGRAM (TOP DOWN, SIDE BY SIDE, AND SIZE). AVERAGE MODEL SAVINGS ARE OBTAINED FROM SECONDARY DATA (PRIMARILY CA).**

**NUMBER OF UNITS REMOVED \* AVERAGE SAVINGS ACROSS VARIOUS SIZES AND MODELS \* NTG RATIO = TOTAL PROGRAM SAVINGS.**