



Comprehensive White Papers on Top-Down Evaluation Approaches in California



Public Meeting – Presentation of Draft Research Results

July 7, 2011

9:30am-3:30pm PDT

Energy Division Project Manager:

Ayat Osman, PhD

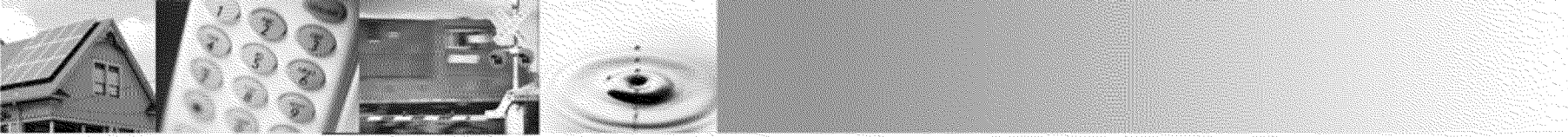
Itron Contract Manager:

Mike Ting (Principal Consultant)

Energy Division Advisor:

Ken Keating, PhD





Agenda

- 9:30 am -10:00 am Introduction and meeting purpose
- 10:00 am -10:45 am Marvin Horowitz presentation
- 10: 45 am - 11:00 am Q&A
- 11:00 am - 11:45 am Sanstad & Loudermilk presentation
- 11: 45 am - 12:00 pm Q&A
- 12:00 pm - 1:00 pm Break for lunch
- 1:00 pm- 1:45 pm Cadmus presentation
- 1:45 pm - 2:00 pm Q&A
- 2:00 pm - 3:30 pm Roundtable discussion

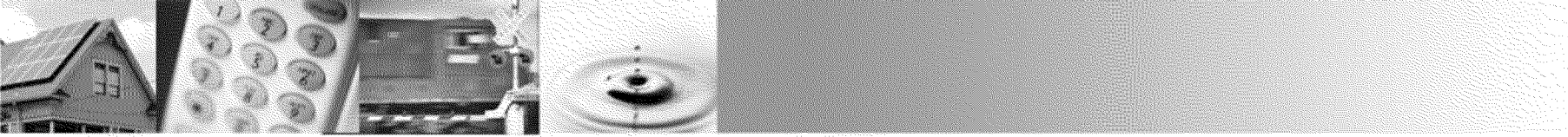




Introductions

- Ayat Osman (CPUC Energy Division) – ED Project Manager
- Mike Ting (Itron) – Itron Project Manager
- Fred Coito (KEMA) – Project Advisor
- Ken Keating (consultant to ED) – Project Advisor
- Winning Subcontractors:
 - Alan Sanstad (LBNL) & Margaret Loudermilk (University of Chicago)
 - Marvin Horowitz (Demand Research LLC)
 - Hossein Haeri & Jim Stewart (Cadmus)





Background

- Interest in “top-down” evaluation approaches driven by the CPUC’s need to explore robust methods to assess progress towards achieving the carbon emission reductions resulting from energy efficiency required by AB 32
- RFP issued by Itron in February to solicit proposals to develop white papers that provide:
 - 1) a comprehensive review, comparison, and discussion of applicable top-down evaluation approaches
 - 2) detailed recommendations for top-down approaches appropriate to the CPUC’s EM&V needs
 - 3) a detailed proposal to conduct a pilot study implementing the authors’ recommended approach using existing data





Meeting Purpose

- Purpose of this meeting is to allow interested parties to interact with and pose questions to each of the three research teams while the white papers are still in draft form
- The three draft white papers will be posted for public comment **one week after** the public meeting date
 - Interested parties will have a **two-week** period after the posting date to provide comments and questions
- Responses to public comments and questions will be provided in attachments to the final white papers which will be made available to the public in mid-August

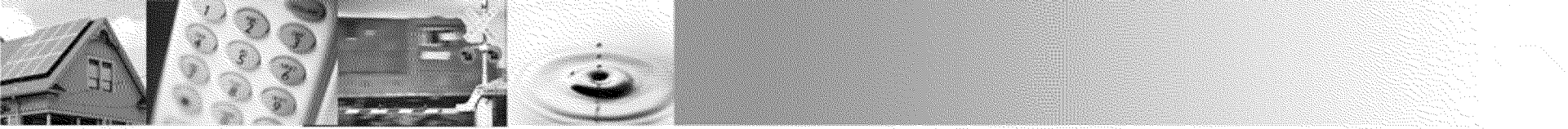




Roundtable Discussion

- Does segmentation increase the value of T-D EM&V approaches?
 - Geographic, Building/industry type, High use vs. low use, Participants vs. non-participants, Annual/monthly/daily
- Are there enough in-state counterfactuals (and will there be going forward)?
- What precision levels are required to consider these T-D models to be successful/useful for regulatory purposes?
- Where are there synergies (if any) between T-D and B-U evaluation (including saturation and market effects studies)?





Roundtable Discussion (2)

- Can the T-D models really tell us what we want if they don't include variables to represent utility programs, codes and standards, and other government interventions?
- If IOU/non-IOU attribution cannot be done precisely with T-D approaches, is there still enough value in the CA regulatory/policy context to pursue developing T-D EM&V systems?
- What are the data collection and analysis time requirements for T-D approaches and how do these synch with the 3-year IOU program cycle?





Thank You

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