



## **Subcommittee Tracking Sheet**

### **Subcommittee Name**

Meeting #2: February 19th, 2015

#### **I. Agenda Items for Discussion/Materials**

1. Follow-up from last meeting:
  - Brief overview of update subcommittee summary
  - Updates from efforts across the state
2. Possible local government data sets and recommended data gathering approach. What should LGSEC focus on?
  - Current REN Public Agency Retrofit Program
    - Audit calculations (excel versions)
    - Possibly eQuest files
    - Possibly IOU incentive applications
  - Current REN EUC Program data
    - Assumed EnergyPro files
    - Possibly program applications
  - ARRA Funded FlexPath Applications in LA County
  - ARRA Funded HVAC QI Program
    - Wrightsoft Manual J, D and S calcs
  - Possible HERO Program data
  - Possible PACE application data
  - What is the best way for the local governments to go about gathering pre/post data?
3. If time allows, 'repair indefinitely' scenarios and data collection strategies brainstorm.
  - Commercial Lighting Fixtures
  - Constant Volume Air Handler
  - Large electric motors
  - Large pumps and fans
  - Chillers
  - Windows
  - Furnaces and rooftop HVAC units
    - Schools?
  - Are there ways to collect more widespread/systematic data to support these case studies?

#### **II. Meeting Attendees**



Alejandra Mejia, Cal TF Staff  
Jenny Roecks Cal TF Staff  
Annette Beitel Cal TF Staff

Armen Saiyan, TF Member  
Doug Mahone, TF Member  
Pierre van der Merwe, TF Member  
Andy Brooks, TF Member  
Spencer Lipp, TF Member  
Martin Vu, TF Member  
Christopher Rogers, TF Member  
Sherry Hu, TF Member

Jordana Camarata, First Fuel  
Christine Hanhart, UCONS  
Marc Costa, Energy Coalition  
Devin Rauss, SCE  
David Sawaya, PG&E  
Kevin Messner, AHAM  
Nick Dirr, Association for Energy Affordability  
Luke Nickerman, PG&E

### **III. Key Issues Discussed**

#### **Local Government Non-Compliance Data Strategy**

- Questions to ask:
  - For all of the measures, was a permit required? If so, was it secured?
    - Does permit equal compliance? CCSE is working on this, DNV GL study may get to this
    - Are the local governments better positioned to ask the building departments for data?
      - This is something LADWP is leveraging in their current pilot
    - Energy data isn't electronic, often embedded in other sections of documentation
    - How much does the permit cost?
      - Fees schedules are available, but these vary widely
      - Could show if cost of permit is greater than incentive
      - Cost of the permit isn't the only factor behind non-compliance. Cost of getting to code would be greater.



- Is there a way to cross-reference incentive data with permit information?
  - One option is to ask trade allies
  - CCSE may have information on this
  - VEIC worked with their regulator on a similar study, found 10% non-compliance in new construction, commercial
  - ACT: Marc will begin to work on cross-referencing approach (incentives paid vs. permits pulled)
  - ACT: Marc to try to pull surveys from public agency side of the programs
- LADWP considering integrating incentive/permit process—savings at the counter
  - Overview of LADWP pilot: Include savings from code, cannibalizing C&S
  - Cross-referencing utility and building dept. data
  - Working with Navigant to devise a way to evaluate—right now leaning towards a market transformation approach
- More ideas on attribution:
  - Get to customers through associations (BOMA, tax credit allocation committee—commissioned analysis on same questions, etc), anonymous surveys
    - ACT: Alejandra to review tax credit allocation committee study—get from Andy
    - This could be a great way to answer Doug’s missed opportunities questions
      - Doug’s current source of information: implementers who are having trouble securing projects due to cost of going past code
  - SCE’s pilot answer: experimental design (test and control), variable: incentives to get to code
    - Also trying to get to other benefits of triggering code—make customer think of measures/benefits in a more systemic way
    - Energy Division encouraging stakeholder workshops
    - ACT: Alejandra to follow-up with IOU To Code pilots

### Repair Indefinitely Discussion

- New AB 758 group that will address existing building code may answer these questions.
  - Possibly separate code into new and existing?
  - David Chookian at the CEC



- ACT: Alejandra to look into AB 758 approach for discussion at next meeting
- Slides to be distributed, discussion to be fleshed-put at next meeting

#### **IV. Action Items**

- ACT: Alejandra/Marc to touch base with ABAG to get update on BayREN pilot
- ACT: Marc will begin to work on cross-referencing approach (incentives paid vs. permits pulled)
- ACT: Marc to try to pull surveys from public agency side of the programs
- ACT: Alejandra to review tax credit allocation committee study—get from Andy
- ACT: Alejandra to follow-up with IOU To Code pilots
- ACT: Alejandra to look into AB 758 approach for discussion at next meeting
- ACT: Alejandra to review Cadmus study, review possible code non-compliance methodologies from other
  - Keep an eye out for attribution, free-ridership screens