



# Statewide PV Audit Program

CPVU Meeting

August 28th

# Purpose

- SB 1 requires the CEC to “annually conduct random audits of solar energy systems to evaluate their operational performance.”
- KEMA is tasked to assess existing solar inspection and auditing efforts
- Develop a straw man Statewide PV Auditing Plan

# Existing auditing practices in IOU territories

- On 7/29/2008, the CPUC established an evaluation plan for the CSI
  - Annual report to legislature starting 2009
  - “...net generation output meters or appropriate data loggers are installed on a representative sample of CSI customer participants.”
  - Status: Selecting contractor through an RFP process

# Inspection vs. Auditing

- *Inspection* usually takes place soon after the initial installation of the PV system or after a change in system configuration
- *Auditing* monitors PV system's ongoing performance overtime

# Discussion: Current Auditing Practices

- Data Collection
  - Types of data collected
  - How often is the data collected?
  - Who collects the data?
- Sampling protocol
- Any constraints in sharing field data with the CEC?

# Discussion: Inspection/ Audit Results

- Major issues on-site
- Major barriers for customers
- Complaints
- Lessons learned

# Discussion: Future Needs

- What other goals should a statewide auditing program achieve besides verifying rebate payouts (eg. collection of statewide PV data, customer education, installer education, penalties for poor performers)?
- Do they have any areas of concern regarding inspections or audits?
- Do you feel like you're adhering to the CEC's guidelines - if not, are there problems with any of the guidelines, are there any gaps in guidelines?
- What is a good way to inspect system performance 1 year from system installation? How about 3 years, 5 years, 10 years?

# Next Steps

- Meet with IOUs - September
- Conduct an online survey to solicit input on auditing practices and recommendations (optional) – late September or early October
- Draft a scoping study on auditing plan that includes several audit designs and recommendations - November
- Solicit input on the straw man proposal
- Finalize the statewide audit plan



## Contact information

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