



 OCTOBER 8 & 9  DOWNEY, CA

ET Summit Fall 2018

COMMERCIAL + RESIDENTIAL BUILDINGS

Emerging Technology: Supporting NMEC

How to Move Forward, Past the Roadblocks

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A level-set on why we are doing NMEC

- AB 802 directed the State to incentivize savings that bring buildings into compliance with Title 24 using “NMEC”.
- 3 years later, this still makes sense.
 - NMEC gives us a very clear existing conditions baseline to measure from.
 - Meter-based is the right vehicle for to-code EE.
- Whole building level meter-based analysis is attractive:
 - Utilities have already invested in metering infrastructure, no extra cost to program.
- Gives flexibility to customer and implementer as to intervention choice.

What we have accomplished so far...

- We have done a lot of good work in the whole building realm:
 - LBNL/KW Engineering work
 - SCE NMEC Procedures Manual,
 - Commercial Whole Building Demo with PG&E.
- **It's a great progress. But we need to keep pushing things forward...**

Remaining issues within our environment

- At the whole building level, NMEC does not provide disaggregated measure-level savings figures.
- How can Emerging Technologies help get the State solve this?
 - Advances in sub-metering infrastructure?
 - Internet of Things mixed with M&V?
 - More customer engagement, phone apps, real time interaction.
 - Interventions need to modernize.

NMEC can help, but we also need a refresh the framework by which we evaluate and value energy efficiency for CA and our customers.

More work is ahead of us to fit NMEC into the existing paradigm of EE.

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