

# ET Summit 2024

Presented by



# From ET to Measure Package: Technology Transfer through CalNEXT



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# Windows Package Measure Development

## Project Objectives:

- Develop a deemed measure package for residential high-performance windows
- Develop a deemed measure package for commercial high-performance windows
- Incorporate measure offering for commercial secondary windows
- Support the development of gas-exempt building envelope measures in support of Decision 23-04-035

# Phase I Windows Projects

## Residential Windows

- Fast Track measure brought to CalNEXT from SCE
- Develop draft measure package and bring to the point of submittal to Cal TF

## Commercial Windows

- Market characterization and measure development combined in one project
- Develop draft measure package and bring to the point of submittal to Cal TF
- Market interviews to help understand the commercial high efficiency windows market

## Phase II Windows Projects

- Identical scope for residential and commercial windows measure packages
  - Take draft measure package through IOU and Cal TF approval to the point of CPUC submission
  - Address comments from each review process
  - Building energy modeling using DEER Residential and Commercial Building Prototypes

## Project Achievements

### Residential Windows

- Draft measure package submitted to the CPUC for review

### Commercial Windows

- Commercial windows market characterization published
- Draft measure package through IOU review and in Cal TF review process

## Project Challenges

- New building energy modeling prototypes took affect towards the end of Phase I projects, requiring remodeling in Phase II
- Baseline efficiencies for residential new construction result in low cost-effectiveness for new construction measure application types

# Technology Transfer

- Two new deemed measure packages
- Market characterization to inform program design
- Commercial secondary windows qualified products list (QPL) identified through Attachments Energy Rating Council (AERC)
- Dissemination of project results to IOUs, CA program implementors, and industry stakeholders



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For more information contact Kyle Booth at [kbooth@energy-solution.com](mailto:kbooth@energy-solution.com)

The project reports can be found below:

[Commercial Windows Phase I](#)

[Residential Windows Phase I](#)

[Residential Windows Phase II](#)