

# ET Summit 2020

Presented by



# Playing in the Sandbox

## Pilot Testing Emerging Technologies in CA



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## Pilot Testing Market Interventions

- Our state of knowledge about emerging technology products can be characterized along three dimensions:
  - Technical performance
  - Market barrier knowledge
  - Program intervention efficacy
- Characteristics of emerging technologies that are ready for pilot testing
  - Technical performance – should have high confidence in technical performance so that null findings cannot be attributed to technical performance
  - Market barrier knowledge – can have medium or high confidence in our understanding of the market and market barriers that are unique to the product
  - Program intervention knowledge – can have low or medium confidence in understanding of interventions that can address the market barriers

## Scope of ETP Pilot Testing

- ETP is non-resource and provides recommendations to program designers and portfolio administrators on emerging and underutilized technologies
- ETP pilots focuses on market barriers specific to the emerging technology (e.g. performance uncertainties, hidden costs)
- Portfolio Administrators and program designers conduct pilots that focus on market barriers that cut across all measures (e.g. first costs/financing, information asymmetry, split incentive, organization practices, bill protection)

## Collaborate to develop scope of pilot tests

- Present three emerging technology candidates that are ready for pilot testing
  - Commercial Secondary Windows
  - Residential Ducted Split System Variable Capacity Heat Pumps (VCHP)
  - Central MF Heat Pump Water Heaters
- Discuss pilot testing objectives
  - Identify market barriers unique to the emerging technology to be pilot tested
  - Identify possible interventions against those market barriers
  - Identify actors and venues (specific IOU programs, customer sites, sector, etc.)

## Three Pilot Testing Candidates

- Commercial Secondary Windows
- Residential Ducted Split System Variable Capacity Heat Pumps (VCHP)
- Central MF Heat Pump Water Heaters

On to the breakout sessions!