

## DOCKETED

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# CPUC'S IOU POTENTIAL STUDY

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PRESENTATION TO JOINT AGENCY IEPR  
WORKSHOP

JULY 11, 2016

NAVIGANT

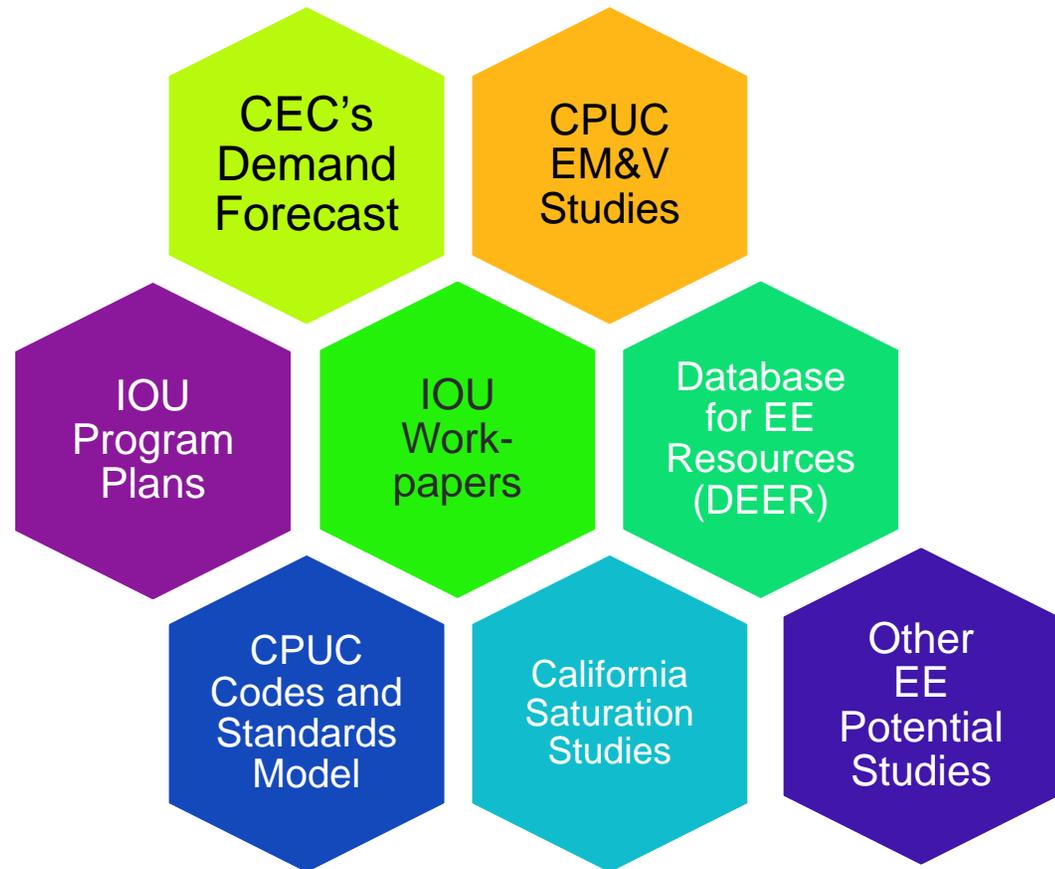
# IOU POTENTIAL STUDY OVERVIEW

- General Scope:
  - Bottom-up model forecasting energy efficiency (EE) savings in 4 IOU service territories
  - 200+ technologies, 6 sectors, 16 climate zones, multiple building types
  - Includes savings from Codes and Standards, Behavior, and Financing programs
  - Calibrated to historic EE adoption rates and reflective of current CPUC policies
- Recent history of the IOU potential study:
  - Studies completed in 2011 and 2013
  - 2015 Potential Study – Sets goals for 2016 & beyond
  - 2016 AB802 Study – Identifies additional savings potential stemming from AB802



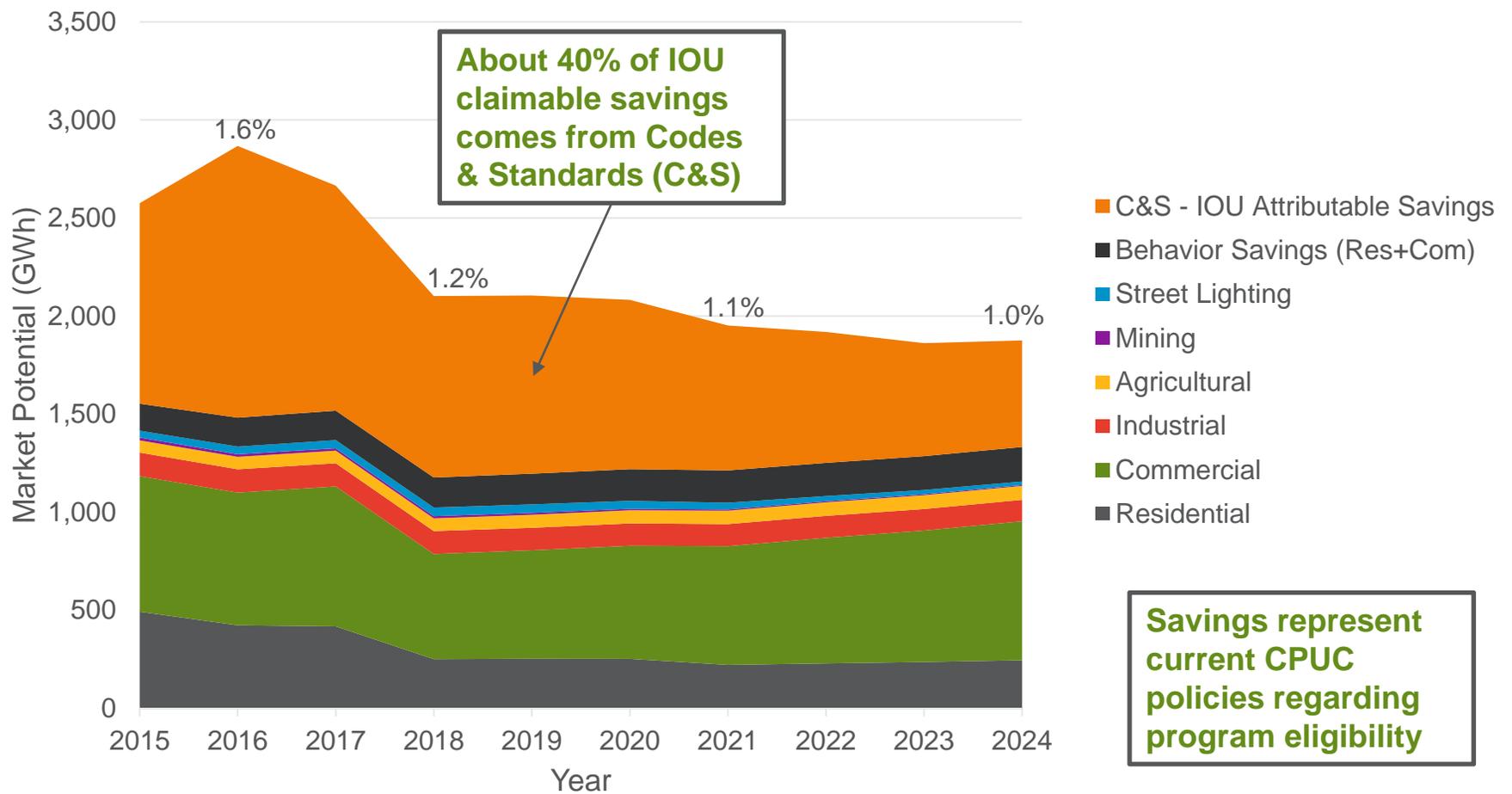
# DATA SOURCES AND GRANULARITY

- Potential studies rely exclusively on existing data sources
- All measure level data based on an annual savings basis (no monthly or hourly variation is tracked)
- Demand savings are based on DEER definition of the peak hours

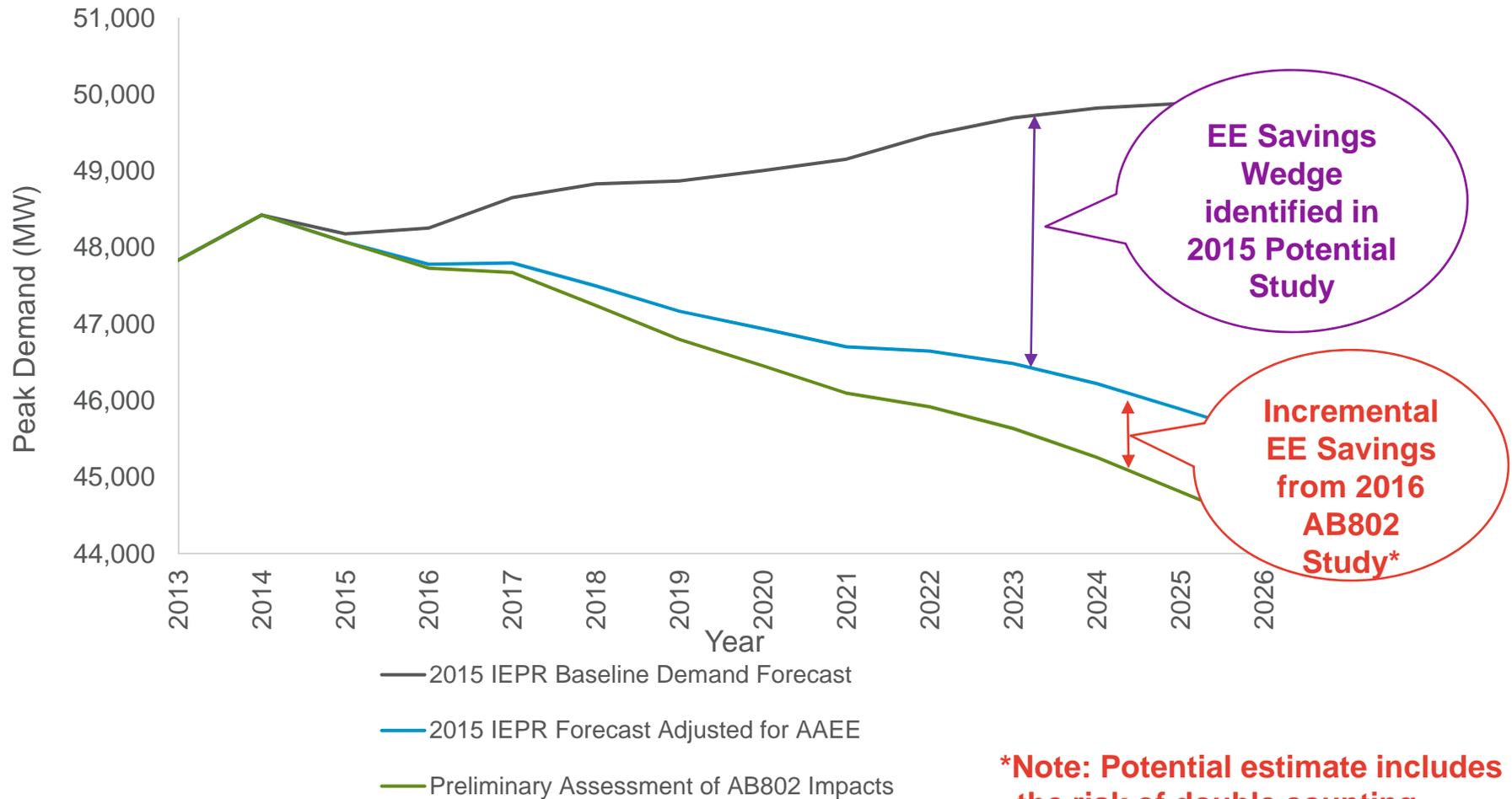


# 2015 POTENTIAL STUDY RESULTS

Incremental electric savings (prior to AB802 and SB350)

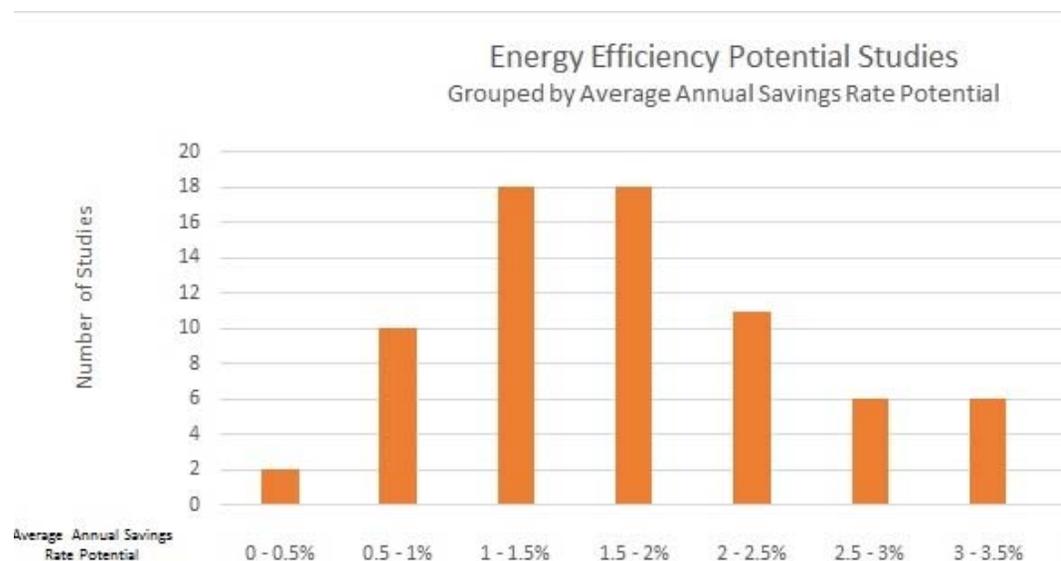


# POTENTIAL STUDY RESULTS REFLECTED IN THE DEMAND FORECAST



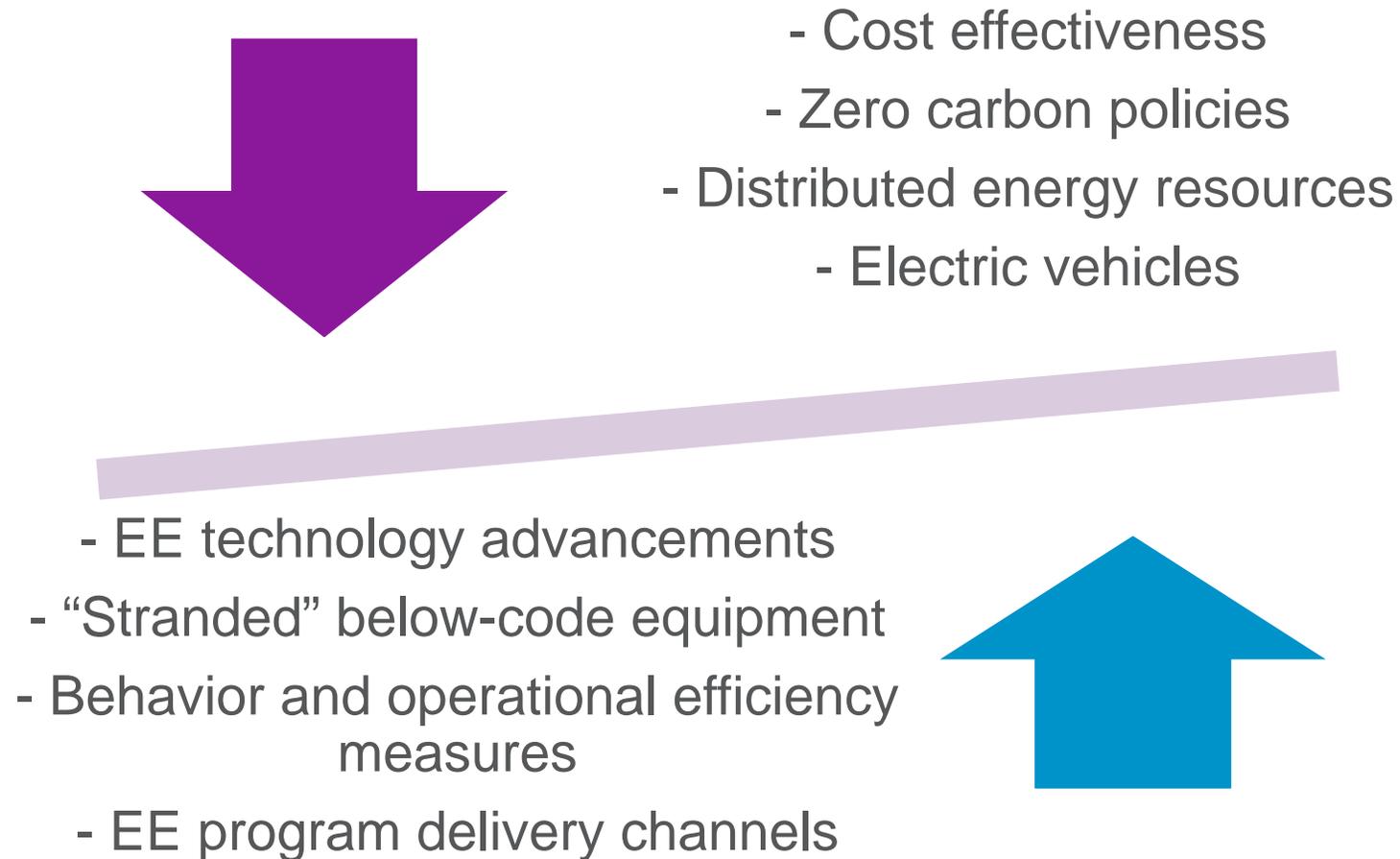
## EE POTENTIAL ACROSS THE US

- DOE recently compiled a summary of 75 EE potential studies completed since 2007
- Results indicate that the average annual savings percentage savings is around 1.5% per year
- Most other parts of the US are implementing traditional EE programs w/ significant untapped potential
- EE continues to thrive in deregulated markets (e.g., New England, PJM, Texas)
- Increasing emphasis on integrating EE programs with other distributed energy resources (e.g., New York, Hawaii, Arizona)
- Renewed interest in market transformation initiatives (e.g., Pacific Northwest)



Source: USDOE, EE Potential Studies Catalog

# THE PATH TO DOUBLING ENERGY SAVINGS – OPPORTUNITIES AND POTENTIAL CHALLENGES



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