



DEMAND ANALYSIS WORKING GROUP (DAWG)

California Energy Demand Forecast Updates and Draft Results

October 26, 2023

Energy Assessments Division
California Energy Commission



Today's agenda

Topic	Time	Facilitators
Welcome and Introductions	10:00 to 10:05	Nicholas Janusch, CEC
Additional Achievable Energy Efficiency & Additional Achievable Fuel Substitution	10:05 to 12:00	Nicholas Janusch, CEC Ingrid Neumann, CEC Ethan Cooper, CEC
<i>Lunch Break</i>	<i>12:00 to 1:00</i>	
Additional Achievable Transportation Electrification	1:00 to 2:05	Quentin Gee, CEC Maggie Deng, CEC Liz Pham, CEC
Residential Sector Results	2:05 to 2:35	Greg Vitz, Verdant Taylor Harms, CEC
<i>Break</i>	<i>2:35 to 2:45</i>	
Electricity Rates Forecast	2:45 to 3:05	Lynn Marshall, CEC
Distributed Generation	3:05 to 4:15	Mark Palmere, CEC Brian McAuley, Verdant Alex Lonsdale, CEC
Open Discussion	4:15 to 5:00	



Recap of IEPR Timeline

Date	Meeting
July 31, 2023	DAWG: California Transportation Energy Demand Forecast: Passenger Travel Miles Methodology Improvements
August 8, 2023	DAWG: CA Energy Demand Forecast: Distributed Generation Updates and Residential Sector End-Use Model Updates
August 15, 2023	IEPR Commissioner Workshop on Inputs and Assumptions
August 18, 2023	IEPR Commissioner Workshop on Load Modifier Scenario Development
Today, October 26, 2023	DAWG: CA Energy Demand Forecast Updates and Draft Results
November 15, 2023	IEPR Commissioner Workshop on Load Modifier Results
December 6, 2023	IEPR Commissioner Workshop on Forecast Results
January 2024	Adoption of IEPR forecast at CEC Business Meeting



Protocol for questions and comments



Introduction to: Additional Achievable Energy Efficiency (AAEE) & Additional Achievable Fuel Substitution (AAFS)

October 26, 2023

Nicholas Janusch
Acting Supervisor of the Efficiency Analysis Unit,
Advanced Electrification Branch



Decarbonization Goals

- Since the [AB 3232 California Building Decarbonization Report](#), several goals have been established to help aim the state towards its 2030 emission target.
 - Per the [Governor's July 2022 letter to CARB](#), California has set a **goal to create 3 million climate-ready and climate-friendly homes by 2030 and 7 million by 2035.**
 - The Governor's goal helps support the goal recommended in the [2021 IEPR](#) of **6 million heat pumps installed by 2030.**
 - [October 10, 2023](#): Top global building appliance manufacturers and distributors commit to help California achieve six million heat pump goal



For this morning's AAEE & AAFS discussion...

- Focus on the draft results for the planning forecast and local reliability scenario
 - Unlike the [2022 IEPR Update](#), both the planning forecast and local reliability scenario include zero-emission appliance standards
- **Ingrid** → Summary of **programmatic AAEE and AAFS** draft results
- **Ethan** → Summary of the technology-based **inclusion of the zero-emission appliance standards** scenarios for the planning and local reliability scenarios

Staff requests stakeholders' feedback of these draft results and how the zero-emission appliance standards are being modeled.

We would like feedback before our IEPR November 15th workshop.