



**TITLE 24, PART 6**

**2025 CODE CYCLE**



# 2025 Title 24 Energy Code Update

California Statewide Utility Codes & Standards  
Enhancement (CASE) Team

# Welcome from Statewide CASE Team




**Nikki Westfall**

Energy Solutions, on behalf of Statewide Utility  
Codes and Standards Enhancement Team  
[nwestfall@energy-solution.com](mailto:nwestfall@energy-solution.com)



# Today's Agenda



12:30 PM	Introduction
12:50 PM	Individual Heat Pump Water Heater (HPWH) Ventilation
1:20 PM	Individual HPWH Electric Ready Cleanup
1:50 PM	Central HPWH Electric Ready Cleanup
<b>2:20 PM</b>	<b>Break</b>
2:30 PM	Central HPWH Cleanup
2:45 PM	CA Plumbing Code (CPC) Appendix M Pipe Sizing
3:15 PM	Pipe Insulation Enhancement
<b>3:45 PM</b>	<b>Break</b>
3:50 PM	Master Mixing Valve
4:20 PM	Conclusion / Wrap-Up
4:30 PM	Adjourn

# Thank you for participating!

We want to hear from you! If comments can't be answered today, CASE Authors will follow up separately within 5 business days.

## **4 ways to engage:**

- Verbally using the hand raise function in GoTo Webinar
- Go To Webinar Questions Pane
- Mentimeter Polls: Go to Menti.com and enter code
- Email us at [info@title24stakeholders.com](mailto:info@title24stakeholders.com)

*Technical Issues? Use GoTo Webinar's Questions feature to connect with our technical support team*

# GoTo Webinar Logistics

- Close all running programs

- Audio

You can use your phone instead of computer audio →


- Questions →





- Handouts (or Title24Stakeholders.com) →


- Raise Hand

- Survey at end


- Mentimeter (**Menti.com**)


File View Help  \_ □ ↗ ✕

- ▶ Audio 
- ▶ Attendees: 2 of 501 (max) 
- ▶ Questions 
- ▼ Handouts: 1 

 Stakeholder Meetings Intro Slides .pptx

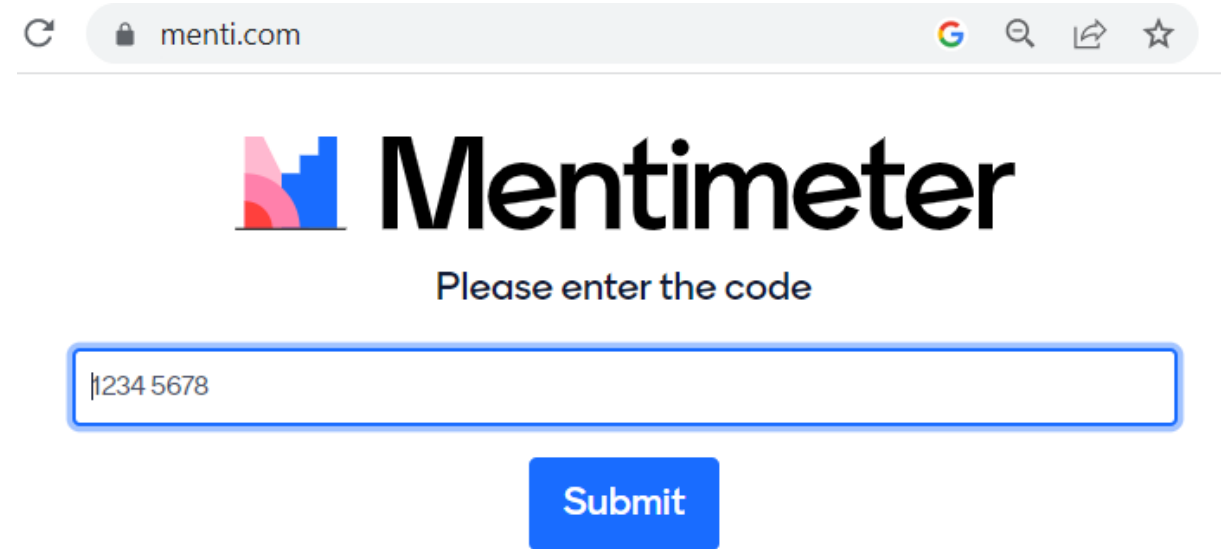
**Test for dashboard pic**  
Webinar ID: 772-531-483

 This session is being recorded.

 **GoTo**Webinar

# Mentimeter Logistics

- ✓ Go to Menti.com
- ✓ Enter the code
- ✓ Participate in polls



The screenshot shows a web browser window with the URL "menti.com". The page features the Mentimeter logo, which consists of a stylized bar chart with red, blue, and pink bars. Below the logo, the text "Mentimeter" is displayed in a large, bold, black font. Underneath the name, the instruction "Please enter the code" is shown. A text input field with a blue border contains the code "1234 5678". Below the input field is a blue button with the word "Submit" in white text.

Input provided through Menti are anonymous.

If you feel comfortable, identify yourself so we can follow up with you directly to better understand your suggestions.

# CEC Introduction

- Authority and Process
- Drivers and Themes
- Contacts

Javier Pérez  
California Energy Commission  
[Javier.Perez@energy.ca.gov](mailto:Javier.Perez@energy.ca.gov)



# California Energy Commission's Authority & Process

## Public Resources Code

**(PRC 25402):** Reduction of wasteful, uneconomic, inefficient, or unnecessary consumption of energy

- Warren Alquist Act Signed into law in 1974
- Mandates updates Building Efficiency Standards and requires the building departments to enforce them through the permit process

## WARREN-ALQUIST ACT

Warren-Alquist  
State Energy Resources  
Conservation and  
Development Act

Public Resources Code  
Section 25000 et seq.



CALIFORNIA  
ENERGY COMMISSION  
Gavin Newsom, Governor

2022 EDITION  
JANUARY 2022  
CEC-140-2022-001



# 2025 Energy Code Drivers and Themes

## State Goals

- Contribute to the state's GHG reduction goals
- Increase building energy efficiency cost-effectively

## 2025 Energy Code Strategies

- Heat pump baselines
- Promote demand flexibility, Solar PV generation and energy storage
- Covered process loads
- Equity & affordable new housing program integration
- Additions, alterations, and smaller homes (e.g., ADUs)
- Electric vehicle readiness support
- Interagency coordination



# 2025 Energy Code Senior Staff Contacts

**Javier Perez** – Project Manager

**Payam Bozorgchami** – Technical Lead,  
Envelope, Additions and Alterations, ADUs

**Haile Bucaneg** – Covered Process, Demand  
Response, Nonresidential and Residential ACM

**Muhammad Saeed** – Solar Photovoltaic and  
Energy Storage Systems

**Bach Tsan** – HVAC Systems, Refrigeration

***Email Convention at the Energy Commission:***  
[firstname.lastname@energy.ca.gov](mailto:firstname.lastname@energy.ca.gov)



# PG&E Introduction

- Statewide Utility Codes and Standards Team
- Project Schedule & Milestones

**Kelly Cunningham**

PG&E

[Kelly.Cunningham@pge.com](mailto:Kelly.Cunningham@pge.com)



# How the Utility Team Supports the 2025 Code Cycle

## General priorities:

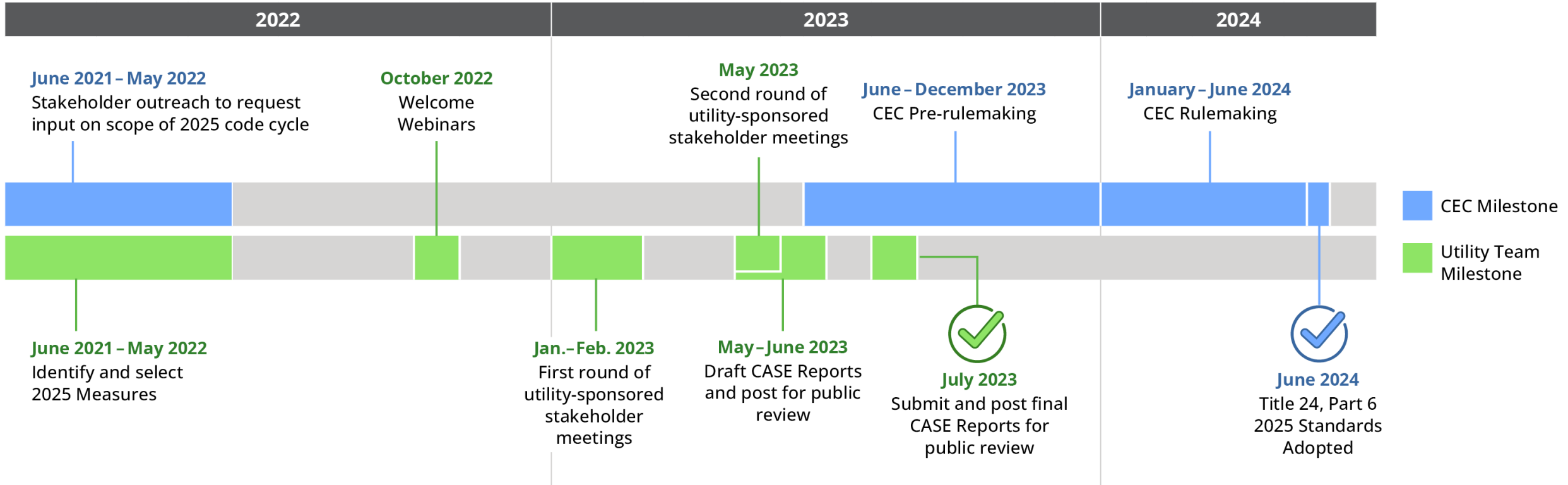
- Support CEC in achieving statewide policy goals
- Cost-effective energy savings (kWh, kW, Therms)
- GHG emissions reductions

## Options for utility team support:

- Develop Code Change Proposals (CASE Reports)
- Provide data for proposals CEC develops
- Collaborate with other stakeholders who are developing proposals
- Support software improvements



# 2025 Cycle Project Schedule & Milestones



# Estimated Schedule for 2025 Code Cycle

<b>Milestone</b>	<b>Tentative Dates</b>
Measure identification and selection	June 2021 – May 2022
CEC Updates Weather Files and Develops 2025 TDV	November 2021 – October 2022
Research version of CBECC with 2025 TDV and weather files available	October 2022
Welcome Webinars	October 2022
First Round of Utility-Sponsored Stakeholder Meetings	January – February 2023
Utilities Submit Draft CASE Reports to CEC and Post for Public Review	May – June 2023
Second Round of Utility-Sponsored Stakeholder Meetings	May 2023
CEC Pre-rulemaking Workshops	June 2023 – December 2023
Utilities Submit Final CASE Reports to CEC and Post for Public Review	No Later than July 31, 2023
Express Term Review	October 2023
45-Day Express Terms Review	January – February 2024
15-Day Express Term Review	Beginning of April 2024
2025 Title 24, Part 6 Adopted	End of June 2024
2025 Title 24, Part 11 (CALGreen) Adopted	July 2024
2025 Compliance Manuals and ACM Reference Manuals Approved	November 2024
CASE Study Results Reports and CCSRs Complete	December 31, 2024
2025 Compliance Software Available to Public	January 1, 2025
2025 Standards Effective	January 1, 2026

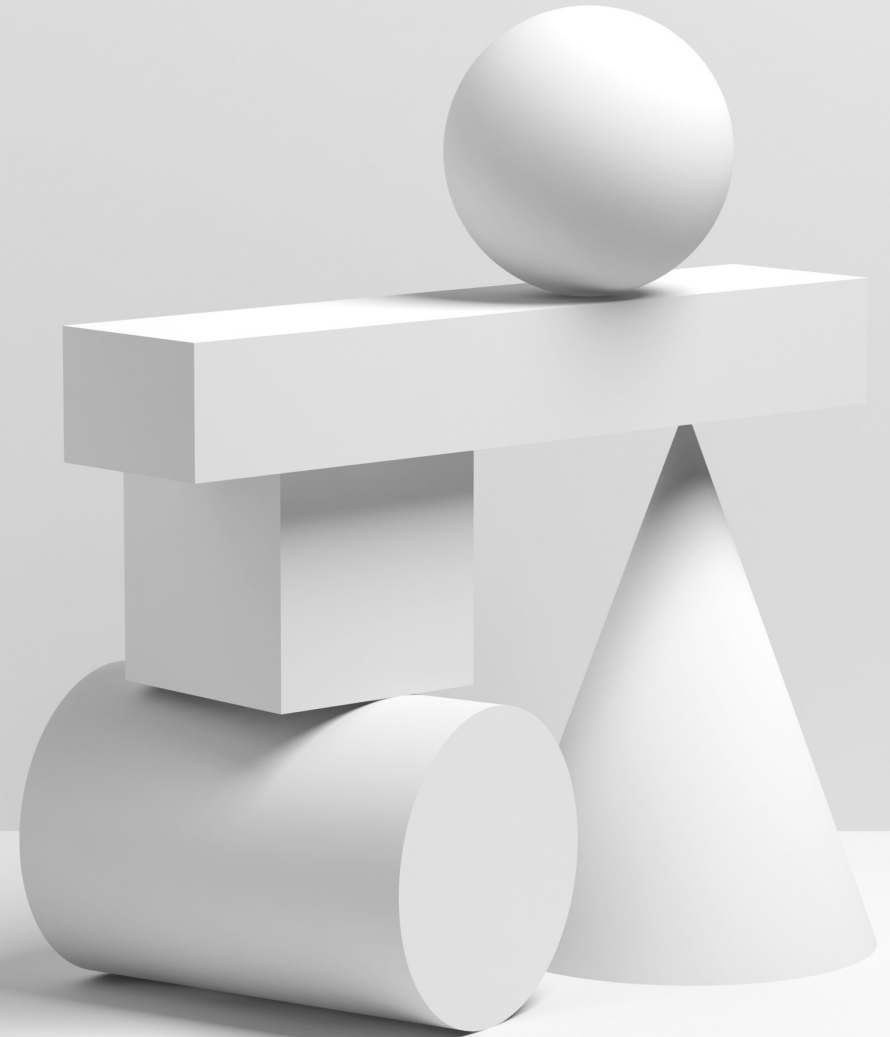


# 2025 T24 Measure History & Background

- Items to Balance
- Proposal Identification
- Current Measures

# Items to Balance

- **Energy savings** and **GHG emissions**
- Load management to support **grid reliability**
- Distribution of proposals across **building types** and **system types**
- Impacts on those who work to **comply** with the code
- Enabling savings to **persist** over time
- **Energy equity**
- Interaction with CALGreen and local reach codes
- Support statewide policies to improve energy performance of the **entire building sector**







# Conclusion

# Next Steps

Draft CASE reports to be posted on [title24stakeholders.com](http://title24stakeholders.com) this month.

## UPCOMING MEETINGS:

**May 10:** Nonresidential Covered Processes

**May 16:** Lighting Language Cleanup, Controlled Environment Horticulture, and Nonresidential Daylighting

**May 17:** Single Family Buried Ducts & High Performance Windows, Multifamily Envelope, and Indoor Air Quality

**May 18:** Pools, Nonresidential Space Heating, and Commercial Kitchens

**May 22:** Nonresidential Envelope, Existing Buildings, and Multifamily Restructuring

**May 23:** Nonresidential and Multifamily Elevators



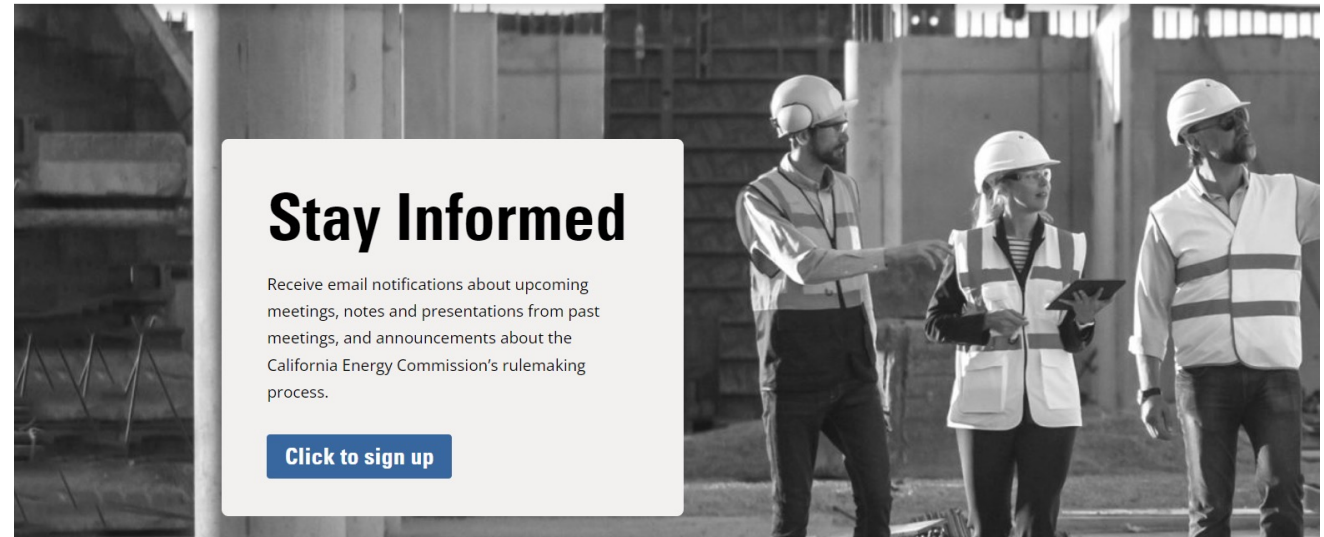
# Participate In the Process

Stakeholder engagement is encouraged throughout the code cycle:

- ✓ Share knowledge and data
- ✓ Attend our utility-sponsored stakeholder meetings
- ✓ Participate in CASE surveys
- ✓ Review CASE Reports
- ✓ Submit comments



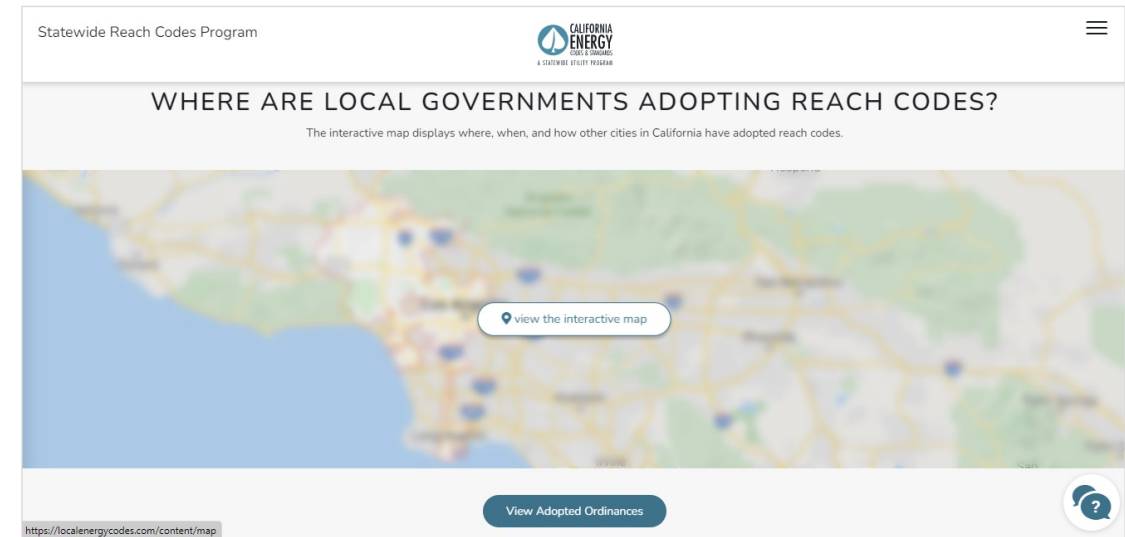
[About Us](#) ▾ [Public Meetings](#) [2025 Code Cycle](#) ▾ [2022 Energy Code](#) ▾ [2022 CALGreen](#) ▾ [Previous Cycles](#) ▾ [Future Code Cycles](#) ▾



Sign up for our listserv at [Title24stakeholders.com](https://www.title24.com/stakeholders)

# Get in Touch

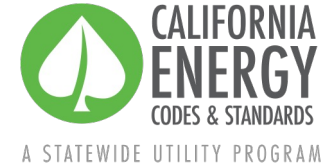
1. Visit [Title24stakeholders.com](https://title24stakeholders.com) to sign up for our listserv, or contact [info@title24stakeholders.com](mailto:info@title24stakeholders.com)
2. Follow 'Title 24 Stakeholders' on [LinkedIn](#)
3. Visit [Energy Code Ace](#) for compliance support and the [Local Energy Codes](#) program for information on statewide reach code activity
4. Contact the CEC [Building Energy Efficiency Standards - Title 24](#)



# Thank You

## Questions?

[info@title24stakeholders.com](mailto:info@title24stakeholders.com)



### **Javier Perez**

California Energy Commission

[Javier.Perez@energy.ca.gov](mailto:Javier.Perez@energy.ca.gov)

### **Kelly Cunningham**

PG&E

[Kelly.Cunningham@pge.com](mailto:Kelly.Cunningham@pge.com)

### **Cosimina Panetti**

Stakeholder Engagement

[cpanetti@energy-solution.com](mailto:cpanetti@energy-solution.com)

### **Nikki Westfall**

Program Coordination

[nwestfall@energy-solution.com](mailto:nwestfall@energy-solution.com)