

# CalNEXT Request for Ideas (RFI)

## 2023 Q3

August 8, 2023



Rebecca Rothman, VEIC  
Tim Minezaki, Energy Solutions

# Presenters



**Rebecca Rothman**

Managing Consultant  
VEIC



**Tim Minezaki**

Senior Staff Engineer, Policy & Ratings  
Energy Solutions

# Agenda

1	Introduction & Why RFIs?	5 min
2	RFI – Energy Program Improvements	10 min
3	Review Submission Process	5 min
4	Q&A	10 min

# About CalNEXT

CalNEXT's vision is to identify emerging technology trends and bring commercially available technologies to the energy efficiency program portfolio.



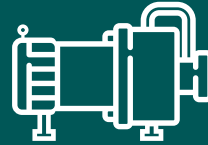
Appliances &  
Plug Loads



HVAC



Lighting



Process  
Loads



Water  
Heating



Whole  
Buildings

# Poll #1

**What Technology Area(s) are you interested in submitting a project idea for?**

Please respond to the Zoom poll

# Why RFIs?



## Portfolio Size/Diversity

- 160 Projects for the life of the program
- 40 to be selected this year



## Selecting the Best

- Maximize impact
- Maximize technology transfer
- Maximize budget



## Industry Subject Matter Expertise

- Compliment partner team
- Increase industry engagement
- Increase adoption



# Energy Program Improvements



## Opportunities

In planning for our 2024 portfolio of CalNEXT projects we are seeking to identify project ideas that will have a direct benefits to the IOU portfolio. Including:

- Research to support new or updated to measure packages
- Validating new measures for inclusion in Custom/SEM programs
- Studying existing Energy Efficiency (EE) program barriers
- Researching Building Electrification programs barriers
- Testing of new product classes to support Appliance Standards
- Support new incentive programs that can support future Building Code initiatives
- Support to improve impacts for Low-income programs like Energy Savings Assistance (ESA)
- Research to support California Market Transformation Initiatives

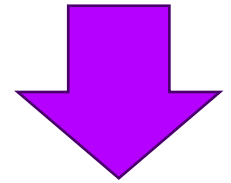
# Example 1 – Measure Package development



## Research supporting development of measure packages (formerly “Workpapers”)

- CalNEXT is interested in supporting expansion of the EE portfolio by conducting research to update existing measure packages or create new measure packages
- The database of current measure packages can be found at [www.caetrm.com](http://www.caetrm.com)
- Are there gaps in the TRM that you want to see addressed? Let us know!

CalNEXT



**eTRM**

OFFICIAL SOURCE

CA Energy Efficiency  
Measure Data



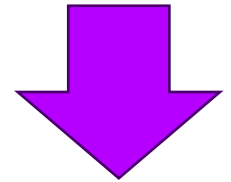
# Example 2 – Building Codes & Appliance Standards



## Research supporting future Codes & Standards efforts

- CalNEXT is interested in emerging tech research to inform future Codes and Standards efforts. Examples of possible research include:
  - Lab testing of new emerging products
  - Development of portfolio program offerings that might serve a future building code effort

*Cal* **NEXT**



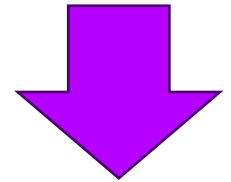
# Example 3 – Technical Validation to Support Custom/NMEC programs



## Technical validation of new technologies

- CalNEXT is interested in emerging tech research ideas to inform future custom programs. Possible research projects may include:
  - Technical validation of new emerging products
  - Identification of deployment barriers within existing program structures

CalNEXT



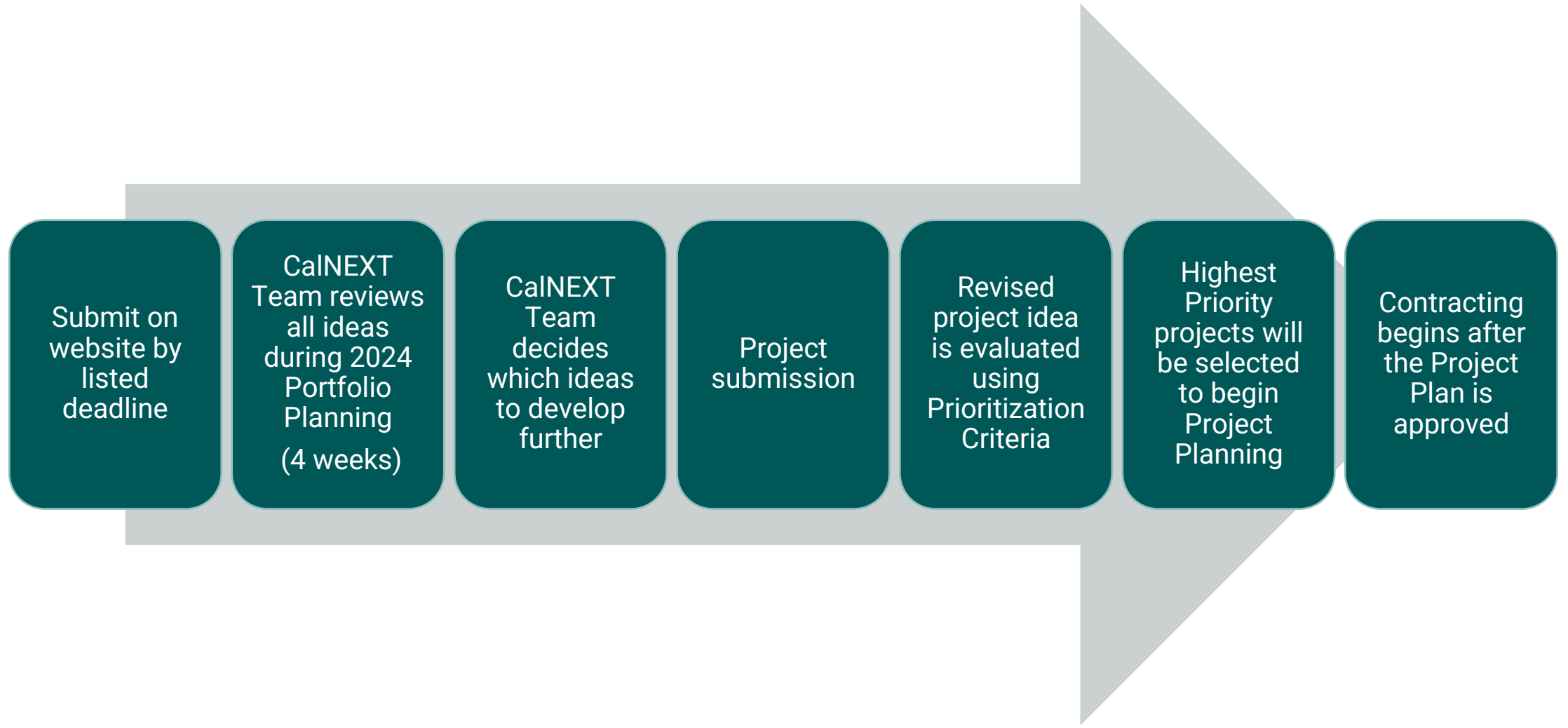
 CEDA  
California Energy Design Assistance

## Poll #2

**How likely are you to submit an idea before the  
August 31, 2023 deadline?**

Please respond to the Zoom poll

# RFI Response Submission & Selection Process



# Project Submission on CalNEXT.com

## Requests for Ideas

Each quarter we will be identifying technologies that could use additional focus. We will issue a "Request for Ideas" and share why we are prioritizing these technologies, as well as the opportunities and considerations.

View the [Q3 2023 RFI](#) here. *Submission deadline: August 31, 2023*

View the [Q2 2023 RFI](#) here. *Submission deadline: May 25, 2023*

View the [Q1 2023 RFI](#) here. *Submission deadline: February 23, 2023*

### How to Participate

If you are interested in submitting an idea for the Energy Program Improvement RFI above, use the RFI Q3 webform located [here](#).

## Energy Program Improvement RFI (Idea)

1. Submission Date \*

 08/03/2023

2. Contact Name

3. Phone Number

4. Contact Email \*

5. Company or Organization Name \*

# Prioritization Criteria

Criteria	Weighting	Details
TPM Alignment	10%	How well the project aligns with the CalNEXT TPMs
Technology Transfer	15%	How well will the research support technology inclusion in IOU and non-IOU EE, DR, Decarbonization programs, codes & standards, or market adoption?
Utility Benefits	15%	Project has defined clear benefits to utilities with emphasis on Total System Benefits (TSB), kWh and kW savings, Total Resource Cost (TRC), and lifecycle kWh savings.
DAC/HTR Benefit	10%	Project scope and/or expected project outcomes directly benefit Disadvantaged or Hard to Reach Communities, specifically
Justification/ Innovation	10%	Project clearly differentiates research or technology from past or present research or technology. It provides energy, carbon or demand reduction estimates and calculations
Project Execution	40%	Clarify of scope, how innovative it is, whether it's ready for implementation, has a clear market strategy, has a reasonable timeline, and has reasonable cost

## Poll #3

# How did we do?

Please respond to the Zoom poll



# Q&A







# Thank You!

Rebecca Rothman, VEIC

Tim Minezaki, Energy Solutions

Email us: [info@calnext.com](mailto:info@calnext.com)

