

CalNEXT Request for Ideas (RFI)

Q4 2023

November 6, 2023



Rebecca Rothman, VEIC
Cassidee Kido, Energy Solutions

Presenters



Cassidee Kido
Senior Project Manager
CalNEXT Program Manager



Rebecca Rothman
Managing Consultant
CalNEXT Partner - VEIC

Agenda

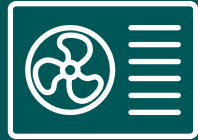
1	Introduction & Why RFIs?	10 min
2	RFI – Short Duration Projects	10 min
3	Review Submission Process	10 min
4	Q&A	15 min

About CalNEXT

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



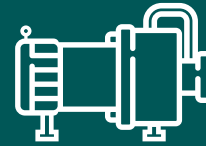
Appliances &
Plug Loads



HVAC



Lighting



Process
Loads



Water
Heating



Whole
Buildings

Poll #1

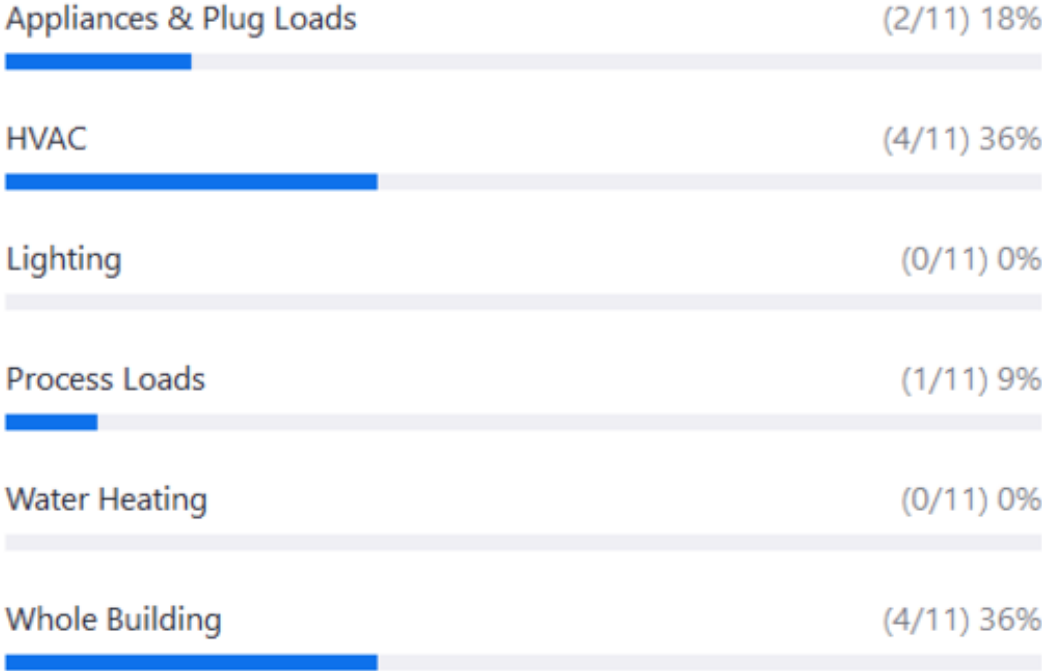
What Technology Area(s) are you interested in submitting a project idea for?

Please respond to the Zoom poll

Poll #1 Results

1. What Technology Area are you interested in submitting a project idea for? (Single Choice)

11/11 (100%) answered



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

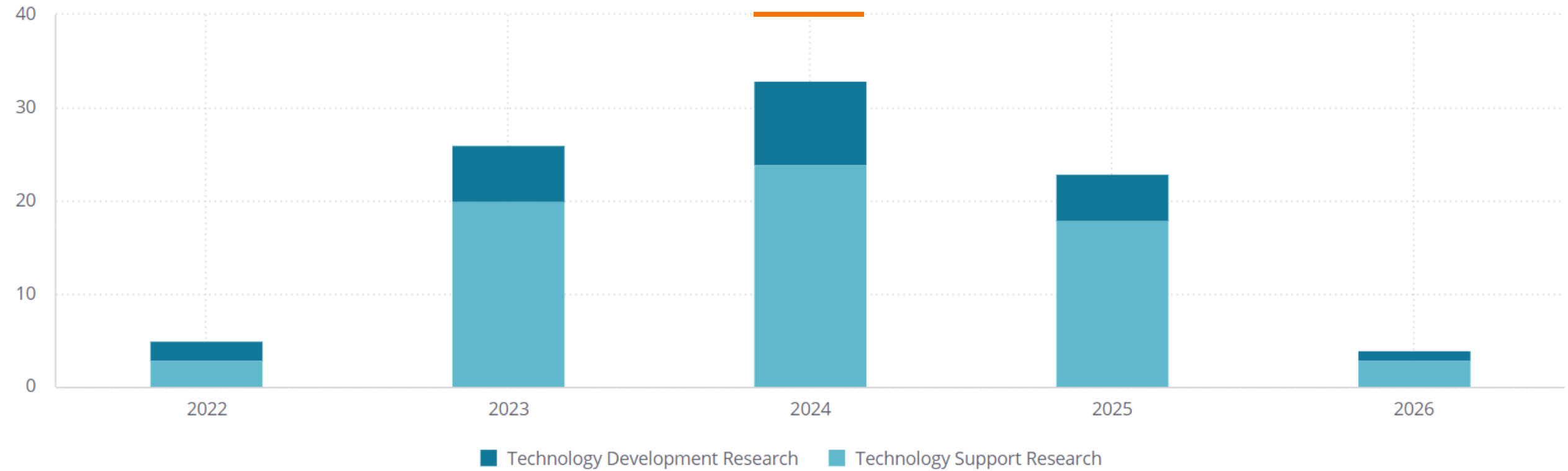


Opportunities

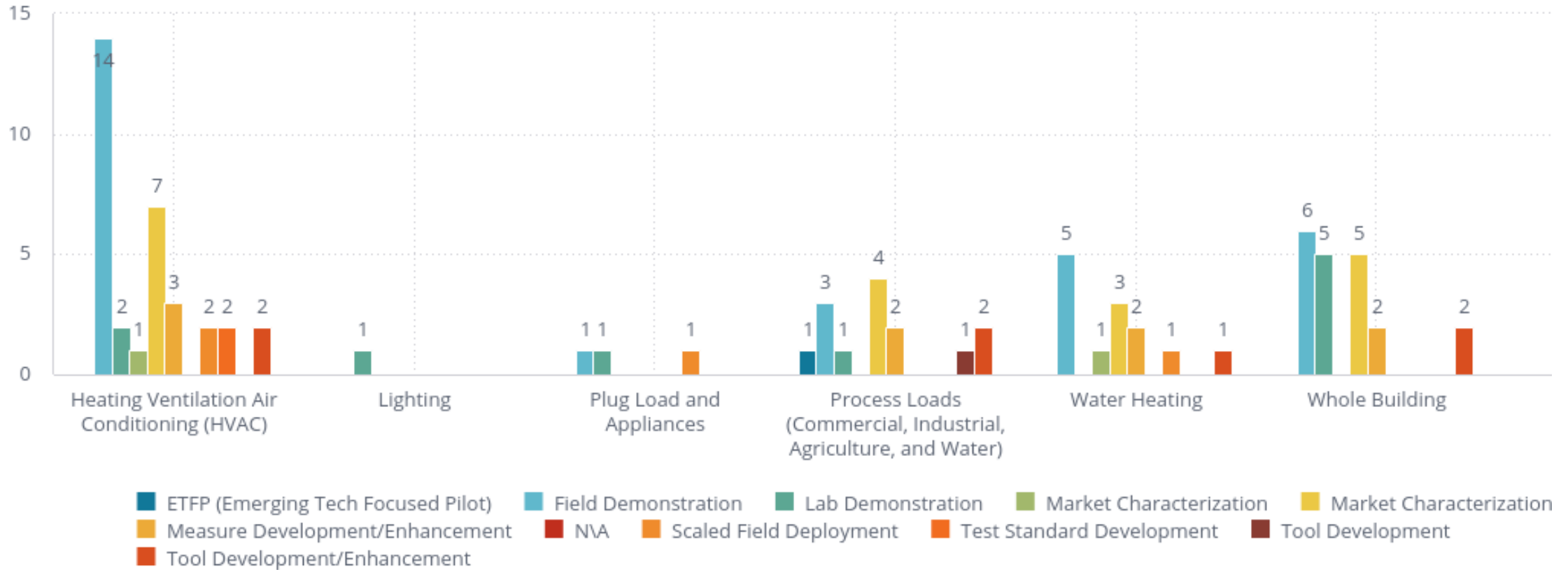
In planning for our 2024 portfolio of CalNEXT projects we are seeking to identify project ideas that will have a direct benefits to the IOU portfolio. Including:

- Research to support new or updated measure packages
- Validating new measures for inclusion in Custom/SEM programs
- Studying existing Energy Efficiency (EE) program barriers
- Researching Building Electrification program 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

Why Short Duration?



Current Program Portfolio View



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 Spend, Project Engagement, Project Outcomes
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. Stakeholder engagement

Example – Short Duration Project



Residential Water Heater Sizing Measure Package Support (ET22SWE0036)

- Utilized data from existing fuel substitution workpaper development with prototype buildings and various water heater sizes to update the (CPUC-approved) DEER Water Heater Calculator V 5.1 across the California (CA) climate zones establishing like-for-like baselines for savings claims.
- Project Duration: 3 months
- Project Cost: Less Than 100k

Poll #2

**How likely are you to submit an idea before the
November 30, 2023 deadline?**

Please respond to the Zoom poll

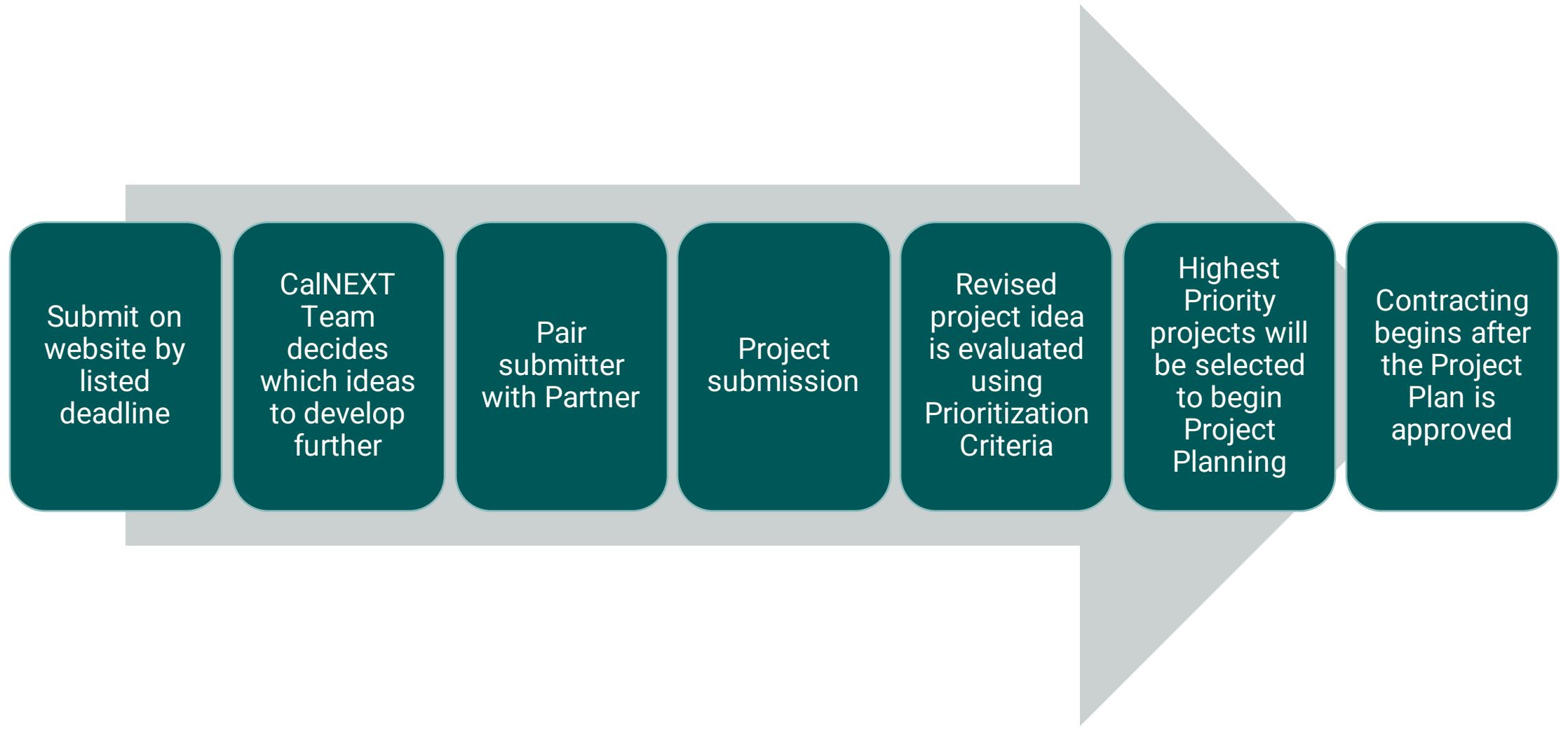
Poll #2 Results

1. How likely are you to submit an idea before the November 30, 2023 deadline? (Single Choice)

9/9 (100%) answered



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 [Q4 2023 RFI](#) here. *Submission deadline: November 30, 2023*

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*

Submit an Idea

For project concepts that are not fully defined:

(Tip: [Download this PDF](#) of form questions to prepare your answers before using the online form, as your answers may not be saved if you leave the session and come back to it later.)

This website uses cookies. By using our services, you agree to our use of cookies. [Learn more](#) [Got It!](#)

CalNEXT Idea Submission Form

Submit a Project

For research projects that are ready to implement:

(Tip: [Download this PDF](#) of form questions to prepare your answers before using the online form, as your answers may not be saved if you leave the session and come back to it later. Need an example? Look at this [Example Project Submission](#) to get an idea of what type of information the CalNEXT team needs to fairly evaluate your submission.)

This website uses cookies. By using our services, you agree to our use of cookies. [Learn more](#) [Got It!](#)

CalNEXT Project Submission Form

Poll #3

How did we do?

Please respond to the Zoom poll

Poll #3 Results

1. How well did the event give you an understanding of the RFIs? 1 star being not very well to 5 stars being extremely well. (Single Choice)

7/7 (100%) answered



2. Is there anything you wish you heard more about? (Short Answer)



3. Have you checked out our website? (Single Choice)

7/7 (100%) answered



4. How would you best like to receive information of completed projects? (Short Answer)



[View Details](#)

5. Do you have any additional feedback to provide? (Long Answer)



Q&A





Thank You!

Rebecca Rothman, VEIC

Cassidee Kido, Energy Solutions

Email us: info@calnext.com

