

Introduction to CalNEXT

July 21, 2022



David Myers
Cassidee Kido

Agenda

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Introduction to CalNEXT

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Scope and Terminology

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Who Can Get Involved

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Feedback/Q&A



Introductions

Presenters



David Myers

Associate Director, Emerging Technologies
Energy Solutions



Cassidee Kido

Project Manager II, Business Strategy
Energy Solutions

Partner Team



Poll #1

Who is joining us today?

Please respond to the Zoom poll

Importance of Emerging Technologies



Role of ET has never been more important!

- Identifying and testing new technologies for transfer to EE portfolio
- Exploring new deployment strategies
- Supporting equity, grid resiliency, and affordability



ET in California

- Have been a leader identifying and evaluating promising technologies

CalNEXT Scope and Terminology



About CalNEXt

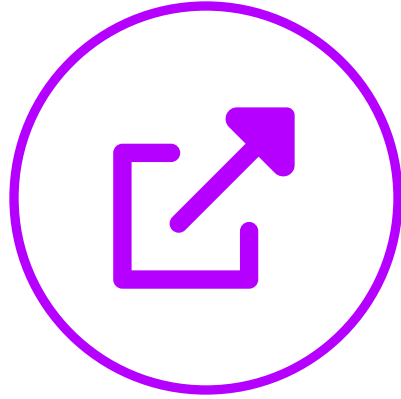
CalNEXt's vision is to identify emerging technology trends and bring commercially available technologies to the energy efficiency program portfolio.



Program Objectives

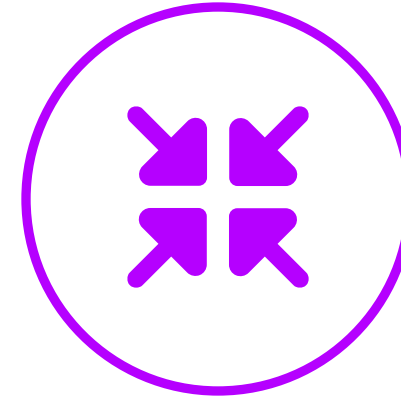
-  **Communicate** program priorities to stakeholder community.
-  **Scan, Prioritize, Evaluate** commercially available, emerging, or underutilized technologies and their applications to support increased adoption in the IOU EE portfolios.
-  **Broadcast** results to inform stakeholders, support technology transfer, and advance industry understanding to support large-scale commercial adoption.
-  **Advance** California's decarbonization, equity, and grid priorities by incorporating them into research priorities.
-  **Execute** emerging technology research projects that support the IOU energy efficiency portfolios.

Project Types



Technology Support Research

- Projects focused on addressing market barriers or developing the commercial capability of *market-ready technologies*.



Technology Development Research

- Projects focused on addressing market barriers or developing the commercial capability of *early-stage technologies*.

IOU Portfolios

Workpaper
Development

Program Integration

C&S Readiness

Market
Transformation

Technology Priority Maps



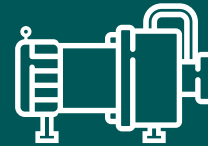
Appliances &
Plug Loads



HVAC



Lighting



Process
Loads



Water
Heating



Whole
Buildings

HTR/DAC



Engage CBOs

Insight into technical and non-technical opportunities and challenges



Community Spend

Funds spent in HTR/DAC communities



Project Sites

Emphasis on HTR/DAC research project sites



Disadvantaged Workers






Engaging disadvantaged workers

Get Involved



CalNEXT

Eligibility

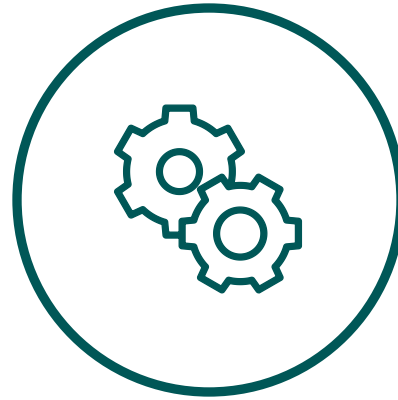
-  **Must be an electric emerging technology**
-  **Aligned with Technology Priority Maps**
-  **Qualify as Project Type**
Market-ready or near market-ready technologies
-  **Electricity services within IOU territories**
Exception: research laboratories
-  **Completed per approved plan and deadlines**

Benefits of CalNEXT



Support Research

Technical expertise, research support, purchasing units



IOU Program Integration

Position for IOU program integration



Support Commercial Adoption

Disseminate findings to a variety of stakeholders

Prioritization Framework

Criteria	Weighting	Details
TPM Alignment	25%	How well the project aligns with the CalNEXT TPMs
Benefits	20%	Whether the project has benefits for the utilities and affects HTR/DACs
Quality of Idea	50%	Clarify of scope, how innovative it is, whether it's ready for implementation, has a clear market strategy, and has a reasonable timeline
Cost	5%	Estimated budget

Poll #2

**How close is your product to
commercialization?**

Please respond to the poll

Project Submission



Submit an Idea

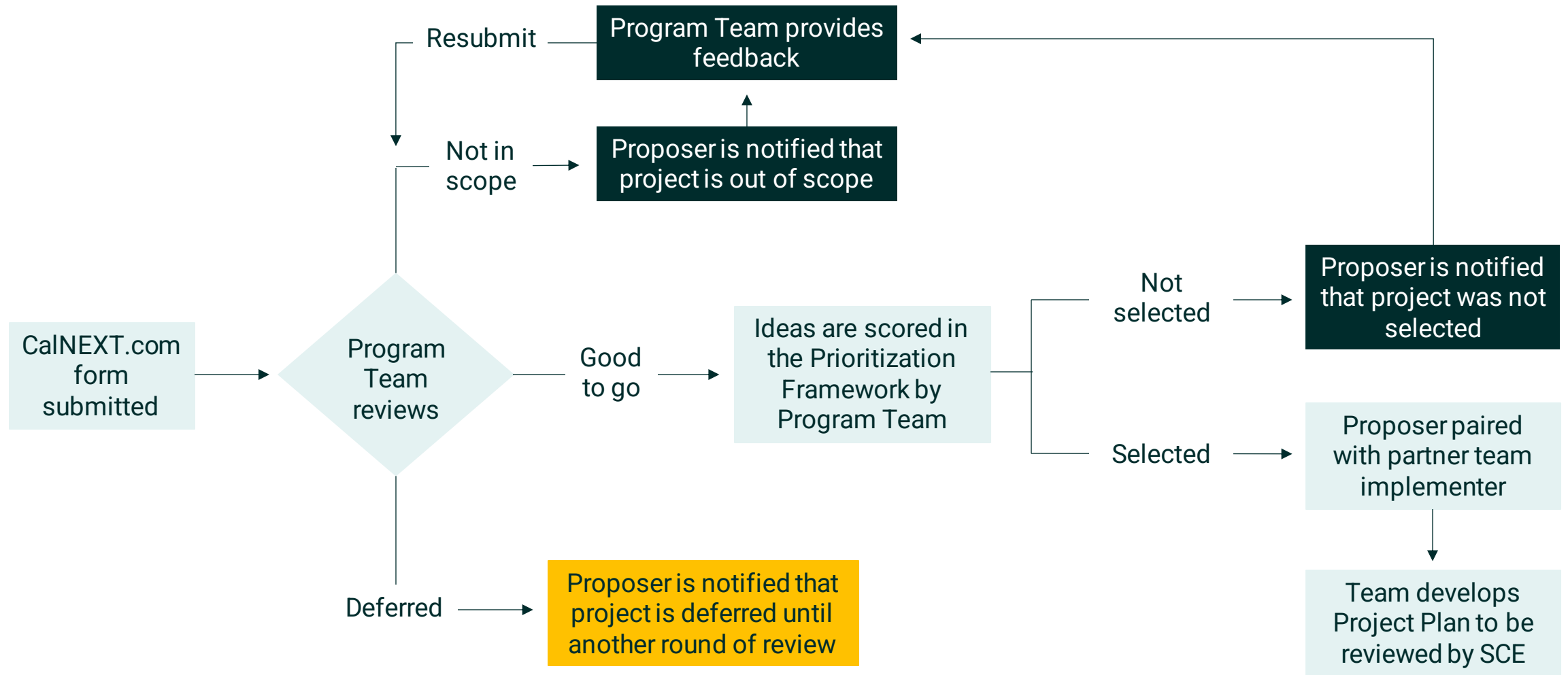


Submit a Project

Idea Submission



Project Submission



Feedback/Q&A



CA Statewide Gas Emerging Technology

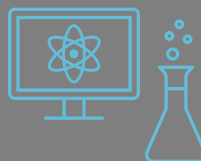
The Statewide Gas Emerging Technologies Program (GET) advances promising as potential measures for future energy-efficient programs. Working with cross functional stakeholders, the GET program sources and screens technologies at a TRL of 4 and higher to gather necessary technical and savings potential data, identify key market barriers to adoption, and develop strategies to overcome these barriers.



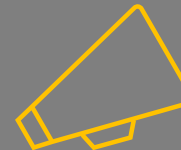
Scanning and
Screening



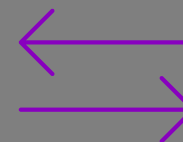
Planning and
Prioritization



Technology
Evaluation



Dissemination



Technology
Transfer

For more info: <https://cagastech.com>



Technology Priorities for CalNEXT

JULY

26

WEBINAR

Tuesday

11:00am–12:00pm

Registration Requested

Sign Up





Thank You!

David Myers

Cassidee Kido

info@calnext.com

Cal **NEXT**