

# ET Summit 2024

Presented by



# Program Prioritization to Maximize Impact






## CalNEXT



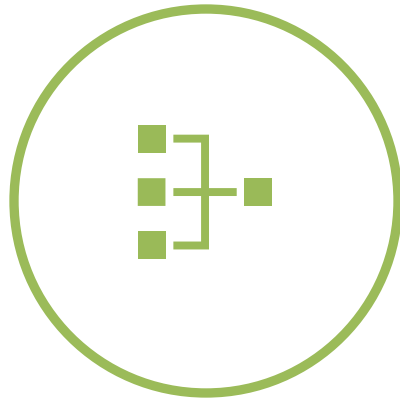
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VEIC



# Project Prioritization 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.

## CaINEXT Scanning and Screening



### **Intake Process**

Path to submit ideas for consideration



### **Prioritization Method**

Evaluating submissions to prioritize projects that bring the most value to the program



### **Portfolio Builder**

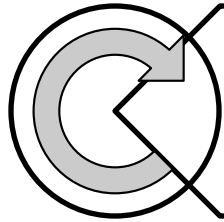
Process for responsibly meeting program portfolio targets, on time and within budget

# The Pace of Change

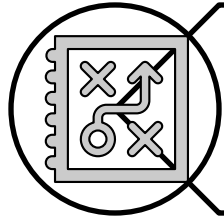
In response to customer needs and climate action demands the energy landscape is rapidly changing

- Rates
- Code
- Federal Funding
- Refrigerant Phase out
- T&D System Hardening
- EE Program Landscape
- Technology Acceleration/Maturity/Supply Chains
- Real Estate Supply and Demand
- Wealth Disparities

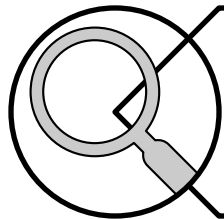
## Keeping Up With Change



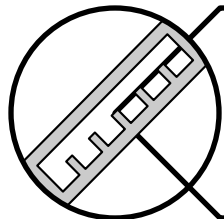
TPM Updates



Portfolio Planning



Project Evaluation



Scoring Calibration

## Portfolio Planning

### Brainstorm & Deferred Project Review

### Portfolio Fit Categories

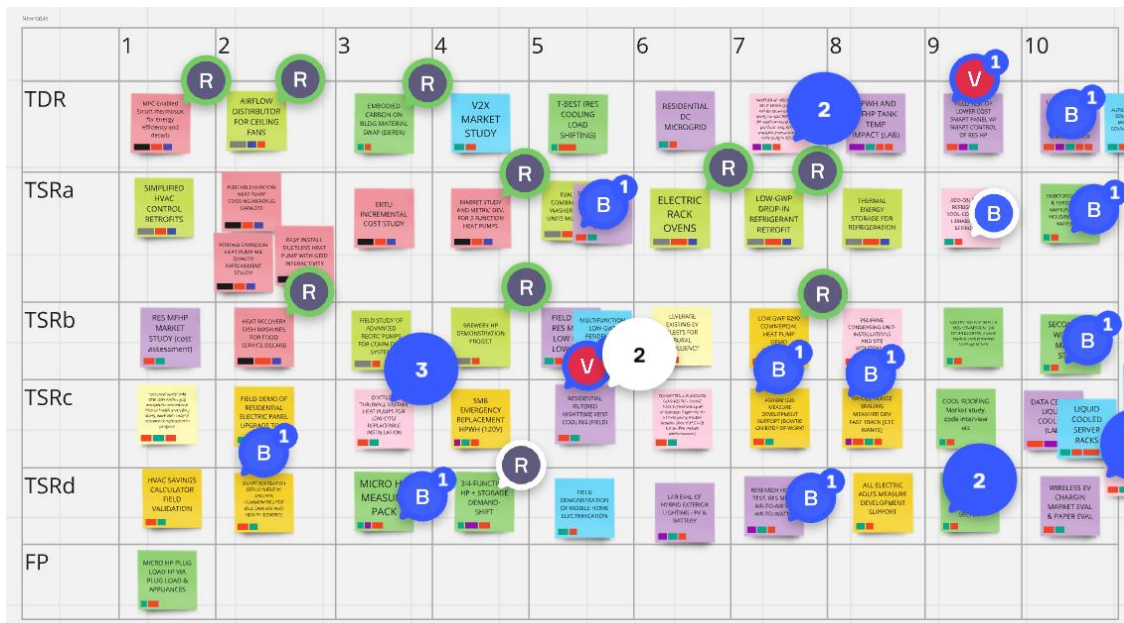
Budget Buckets

Committed Project Buckets

Expected Project Buckets

Tech Transfer Buckets

Technology Area Buckets



# Project Evaluation

<b>Project Impact &amp; Value (60%)</b>	TPM Technology Priority	10%
	TPM Research Initiative Priority	10%
	Technology Transfer	10%
	Efficiency Program Alignment	10%
	DAC/HTR Benefit	10%
	Project Innovation/Justification	10%
<b>Project Execution (40%)</b>	Project Clarity	10%
	Project Readiness	10%
	Stakeholder Engagement	10%
	Timeline	5%
	Cost	5%



## Scoring Calibration

Technology Area	Average Score	Standard Deviation	Number of Projects in Sample
HVAC	69.9	5.3	7
Lighting	71.4	7.7	2
Plug load and Appliances	67.2	8.1	5
Process Loads	75.8	7.7	14
Water Heating	76.9	7.1	11
Whole Building	71.0	9.5	6



## Results of these Processes

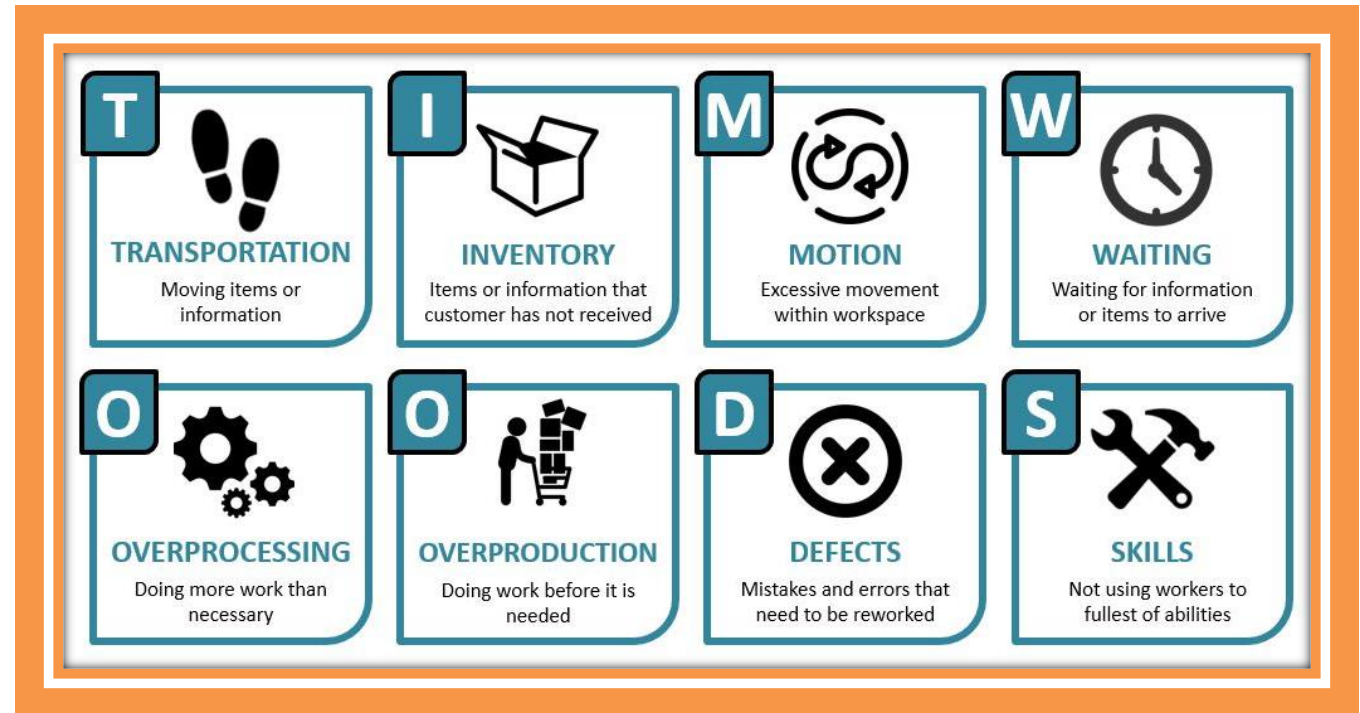
**Waste reduction** with less Draft Project plan resubmissions

**Consistent** submission to selection cycle time (approx. 3-4 weeks)

**Better Alignment** between portfolio TPM priorities

**Waste reduction** scoring administrative time cut in half

**Timely** issue identification



## Considerations for the Future of SWEETP

- Balance of increasing adoption of existing measures vs increasing number of measures
- Prioritizing measures that support energy efficiency, decarbonization, load shifting, AND refrigerant transition
- R&D, ET, C&S, MT program collaboration
- Balance of downstream program types (EE equipment, Fuel Switching, and Behavior, retrocommissioning, and operational efficiency
- Anticipating needs and baseline changes influenced by pending policy actions/effective dates

This project was funded by



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## Q&A