

Expanding Project Impact Through Technology Transfer

CalNEXT Innovation Nexus

August 26, 2026

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CalNEXT Technology Transfer

Ensuring CalNEXT **project findings** have a clear, intentional **pathway toward adoption** into California's **energy efficiency utility portfolio** is a key objective for the CalNEXT program.

Technology transfer is primarily achieved through **knowledge transfer**, when the program clearly communicates project findings to stakeholders with details to enable portfolio integration.

The sequence of activities a project undertakes to achieve “tech transfer” can take several **tech transfer pathways** to realize energy efficiency portfolio impacts.



Tech Transfer Pathways – Measure Development



New Measure Package Development

Project team has identified a portfolio gap that can be addressed through the development of a new measure package. Project team conducts activities to develop a draft new measure package, and coordinates to identify an IOU to sponsor the measure, and an IOU and/or third-party implementer to subsequently drive the new measure package through CalTF and CPUC affirmation.



Measure Package Revision

Project team identifies revision needs in existing measure packages and completes necessary work to provide proof of revision and develop necessary components of a measure proposal form and work towards a draft measure package.



Measure Study/Recommendation

Project team studies market segment with intention to indicate need for new or revised measure package, industry standard practice study, and/or studies market's utilization of an existing measure or set of measures.



Support New/Updated Custom Measure Development

Project team has identified a portfolio gap that can be addressed through a new or revised existing custom measure. Related activities may include collecting data toward custom measure, measure cost-effectiveness of emerging technology, or development of savings algorithm(s) or custom tool.

Tech Transfer Pathways (cont.)



Project Findings for Energy Efficiency Integration

Project recommendations are developed with the clear intent of supporting California statewide program design adoption, and the project team coordinates with this target audience throughout implementation to help secure adoption of these recommendations.



Tool Development

The project team develops tool(s) that help customers or portfolio actors navigate energy efficiency, including but not limited to calculators and designs guides.



CASE Advocacy and Code Readiness

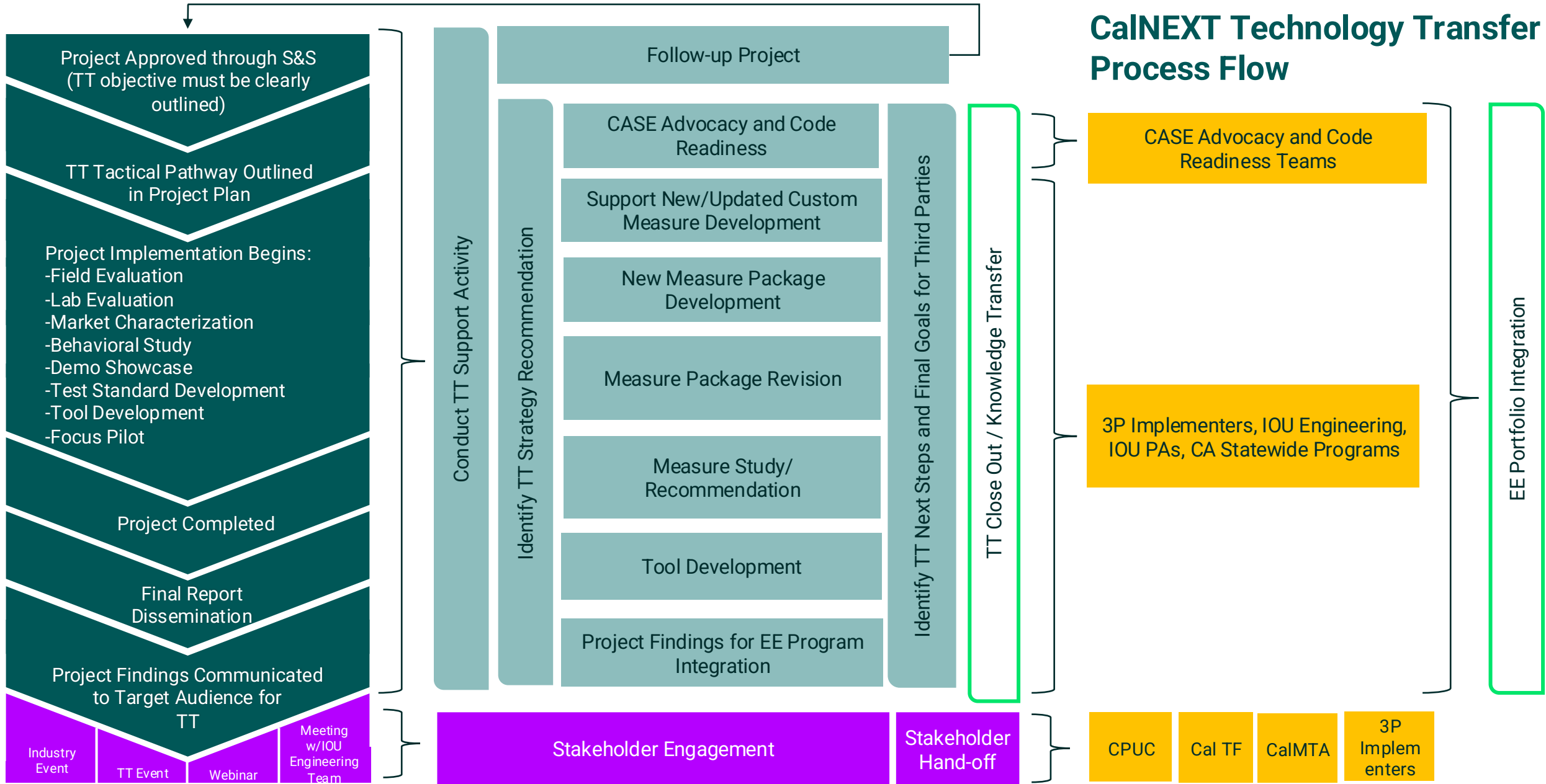
CalNEXT project outcomes can be used to help define, quantify, or substantiate a Codes and Standards Enhancement (CASE) advocacy offering, such as a code change proposal or Energy Code Ace compliance resource.

Tech transfer is achieved through submission of a code change measure idea through title24stakeholders.com



Follow-up Project

Project findings indicate that more research is needed, with intent to pursue this research in a subsequent research project.



Building Tech Transfer into Every Project

Start with the End in Mind

- Identify the **tech transfer pathway** during Intake Form development.
- Design the project to maximize success along that pathway.
- Define the desired outcome from the beginning.

Engage Stakeholders Early

- Identify key stakeholders as early as possible.
- Ask: What do we want this project to achieve?
- Connect with any program staff early in project implantation to:
 - Ensure the research addresses program needs.
 - Align project outcomes with implementation opportunities.
 - Give stakeholders visibility into project timelines so they can plan around anticipated findings.

Building Tech Transfer into Every Project (cont.)

Plan for the Next Step: Every project should have a clear path forward. Examples:

- **Market gap analysis:** Identify what is needed to close market gaps.
- **Measure development:** Plan to socialize the measure and present it to the Measure Screening Committee.
- **Laboratory validation:** Define next steps, such as a field demonstration, measure package development, or additional validation.
- Identify which programs will benefit from the research and establish connections with those teams early.

Incorporate Feedback Throughout the Project

- Requirement that project teams to meet with key stakeholders before the preliminary findings report.
- Benefits include:
 - Preparing stakeholders for upcoming results.
 - Incorporating feedback early enough to shape the project's direction.
 - Improving the relevance and usability of final deliverables.

Optimizing the "What's Next"

Make Findings Actionable

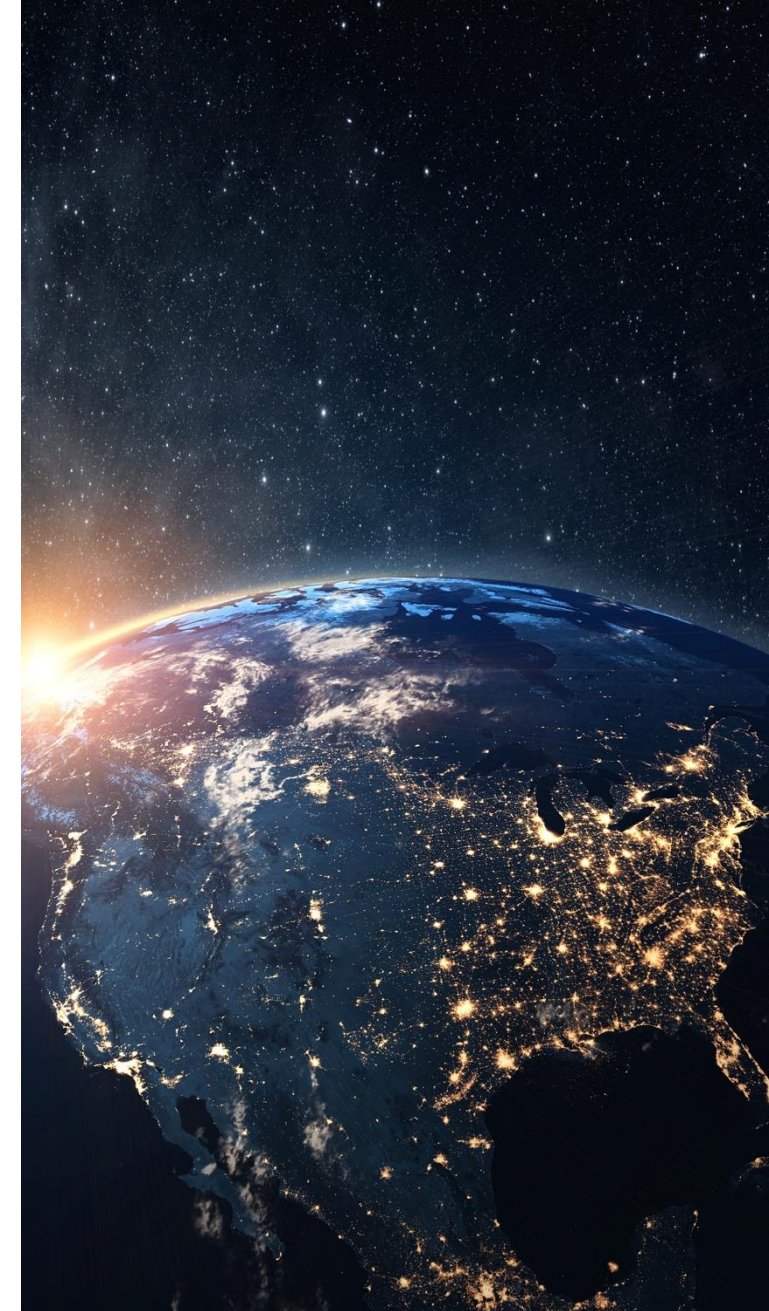
- Include clear, actionable recommendations in project reports.
- Define next steps that support implementation and technology transfer.

Share Results Broadly

- Invite project teams to present their findings in a Knowledge Transfer Webinar
- Promote awareness and accelerate adoption of project outcomes.

Factors that Strengthen Tech Transfer

- Consider and communicate:
 - Quantified kWh savings
 - Affordability impacts
 - Permanent load-shifting
 - Other implementation-relevant impacts and benefits



Expanded Final Report Dissemination Process

CalNEXT has launched a revised process for disseminating TSR, TDR, and Focused Pilot Final Reports.

Final Reports are now distributed to project team-identified stakeholders, and CalNEXT marketing subscribers aligned with the project's TPM.

- Subscriber lists are segmented by TPM preferences to ensure recipients receive relevant project information.
- Contents include: final report, CalNEXT one-pager, project abstract

Expected Impact

- Increase direct Final Report recipients from **100-300 depending on TPM interest area** per project.
- Expand awareness of CalNEXT research and tech transfer opportunities.
- Increase stakeholder engagement across the CalNEXT portfolio.

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HVAC



NEWLY COMPLETED HVAC PROJECT

Refrigeration Capacity Load Matching

[View the Final Report](#)

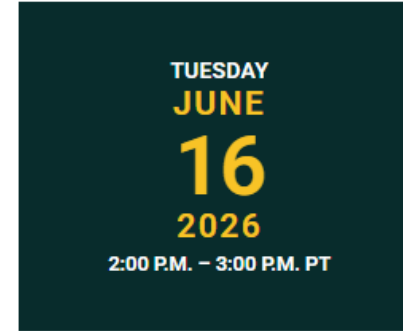
Project Abstract

Knowledge Sharing Webinars

Webinar series to share project findings and next steps to targeted audience.

Check out our next Knowledge Sharing Webinar at **11 am PT** on **September 22, 2026**

See past webinar recordings on <https://calnext.com/tech-transfer/>



WEBINAR

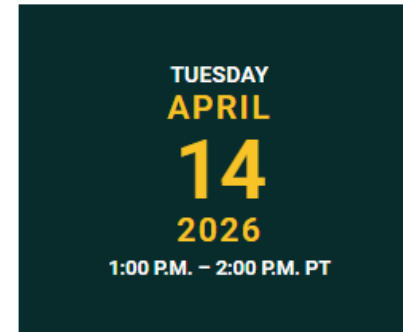
Knowledge Sharing Webinar

Commercial HVAC

Our second Knowledge Sharing Webinar, which focused on commercial HVAC, was held on Tuesday, June 16, 2026. We showcased several completed CalNEXT projects and shared their results and supporting research.

🎬 Missed the event? [Watch the recording.](#)

📄 [View the presentation slides.](#)



WEBINAR

Knowledge Sharing Webinar

Residential Energy Technologies

Our first Knowledge Sharing Webinar, which focused on residential energy technologies, was held on Tuesday, April 14, 2026. We showcased several completed CalNEXT projects and shared their results and supporting research.

🎬 Missed the event? [Watch the recording.](#)

📄 [View the presentation slides.](#)

Measure Memo

Measure Memo - CalNEXT

- The CalNEXT Measure Memo, published May 2026, provided a snapshot of all CalNEXT work completed to date.
- Report will be an annual release.
- Report provides:
 - Links to final reports
 - Project lead information
 - Measure statuses
 - Methodology
 - Recommendations

Measure Memo

Measure impacts from our emerging technology projects

May 25, 2026



We are sharing the CalNEXT Measure Memo, which provides a summary of CalNEXT's measure-related activities since 2022 — including links to supporting resources and project materials.

This memo summarizes the California measure impacts resulting from CalNEXT projects across five key categories:

1. New Deemed Measures
2. Deemed Measure Updates
3. Custom Measures and Tools
4. Measure Studies and Recommendations
5. Active Projects with Future Measure Impacts

[Read the Measure Memo](#)

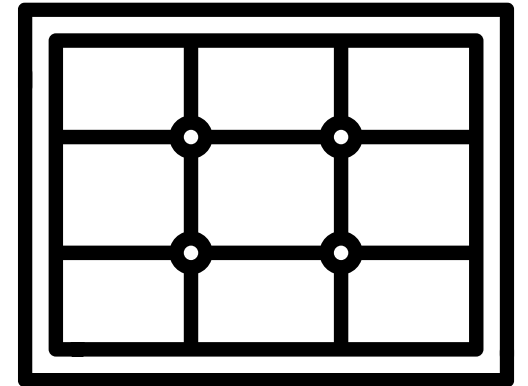
Example of Successful Tech Transfer

New Measure Development Pathway – Commercial and Residential High-Efficiency Windows

Objective: Develop measure packages for high-efficiency windows (Residential & Commercial markets).

Four Projects:

- Commercial Windows Market Study and Measure Package Development
- Residential High-Performance Windows Measure Package Development
- Commercial High-Efficiency Windows Measure Package Completion
- Residential High-Performance Windows Measure Package Completion



Successful Tech Transfer Strategy – HE Windows

Phase I: Laying the Foundation

- Data Collection: Gathering robust data to inform decisions.
- Collaboration: Initial endorsements secured from IOUs and CalTF Measure Screening Committee.
- Planning: draft measure package plan crafted.

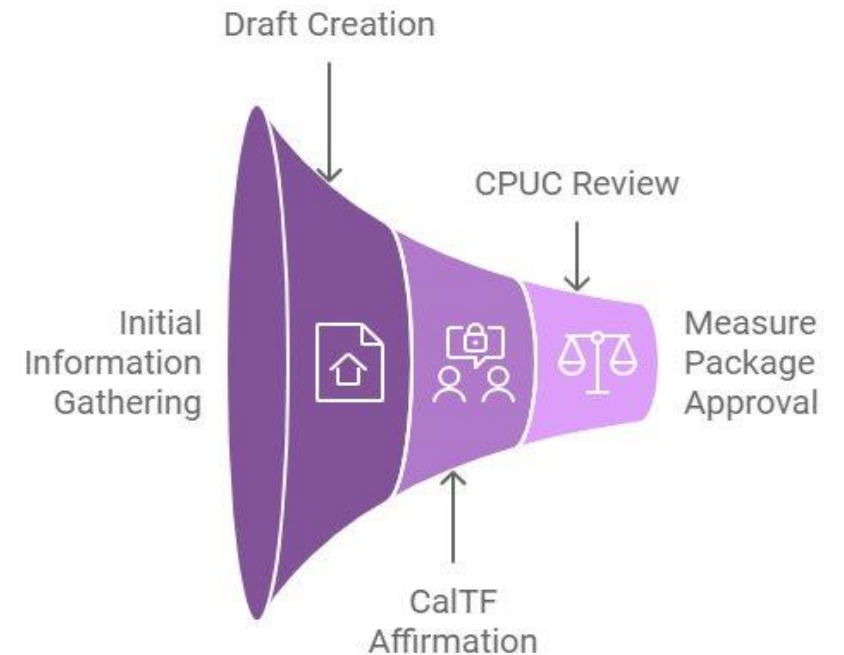
Phase II: Advancing the Vision

- CalTF Affirmation: Securing affirmation.
- SCE Engagement: Preparing for CPUC measure approval and implementation.

Key Takeaways

- Alignment: CalNEXT attunement to IOU and CalTF priorities.
- Expertise: Demonstrated ability to develop and deliver measure packages effectively.

Measure Package Development Funnel



New Measure Packages Adopted

SWBE011-01: High Efficiency Window, Residential

- Active May 29, 2026

SWBE012-01: High Efficiency Window, Commercial

- Active June 1, 2026

Next Steps:

- Project team is in discussion to add measures to California programs and build programs around the measure.



Example of Tech Transfer: Tool Development

Tool Development Pathway – Commercial HVAC Retro-commissioning

Objective: Validate savings estimates using EnergyPlus for retro-commissioning (RCx) measures in commercial buildings to streamline utility incentives .

Two Projects:

- PG&E HVAC Tool Validation: *Completed*
 - Analyze 132 EnergyPlus runs to determine procedures, analyze sensitivity, and identify improvements
- PG&E HVAC Tool Validation Phase 2: *Underway*
 - Implement improvements and examine additional HVAC system areas

Key Takeaway

The goal is for every research project to lead to **real-world impact**. Build tech transfer into the project framework from the outset through intentional planning, stakeholder engagement, actionable reporting, and a clear implementation pathway.



Additional Resources

Explore <https://calnext.com/tech-transfer/>

Technology Transfer News

CalNEXT Projects Result in New Commercial High-Efficiency Windows Measure Package

July 17, 2026

A technical foundation built through CalNEXT becomes a new deemed measure for California's commercial buildings.

[Read More »](#)



Measure Memo

May 25, 2026

Measure impacts from our emerging technology projects since 2022 — including links to supporting resources and project materials.

[Read More »](#)



CalNEXT Results in New Residential High-Efficiency Windows Measure Package

April 6, 2026

CalNEXT is proud to announce a major milestone for California energy efficiency, made possible through the leadership and support of Southern California Edison (SCE).

[Read More »](#)



Tech Transfer Pathways

The sequence of activities a project undertakes to achieve tech transfer can take several pathways to realize energy efficiency portfolio impacts.

CASE Advocacy and Code Readiness



Follow-up Project



Measure Package Revision



Measure Study/Recommendation



New Measure Package Development



Support New/Updated Custom Measure Development



Tool Development



Project Findings for Energy Efficiency Program Integration



An aerial photograph of a suburban neighborhood at sunset. The houses are densely packed, with many windows glowing with warm light. The sky is a mix of orange, yellow, and blue. In the background, there are rolling hills and a range of mountains under a clear sky.

Thank You!

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*Cal***NEXT**

Discussion Prompts

1. How should utility emerging technology programs go about allocating their research portfolios and identifying new opportunities? What is the appropriate balance between short vs long-term impacts?
2. What aspects of emerging technology reports and program engagement do you find most valuable?
3. What are the best ways an emerging technology program can support utilities' goals and make a positive contribution to energy efficiency portfolios?
4. How can we better set projects up for successful tech transfer at the project submission stage?
5. How should emerging technology programs formulate their technology validation and performance measurements studies?