BEFORE THE PUBLIC UTILITIES COMMISSION OF THE

STATE OF CALIFORNIA

Order Instituting Rulemaking for Oversight of Energy Efficiency Portfolios, Policies, Programs, and Evaluation.	R.25-04-010

SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) 2025 ANNUAL REPORT FOR ENERGY EFFICIENCY PROGRAMS

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Southern California Edison Company (SCE) hereby submits its 2025 Energy Efficiency Annual Report (EEAR) for its Energy Efficiency (EE) programs and results for Program Year 2025, as Attachment A hereto.

The Annual Report is filed and served in Rulemaking (R.) 25-04-010 established by the Commission as the forum for regulatory issues related to oversight and administration of EE programs.[1] R. 25-04-010 is the successor proceeding to R.13-11-005, which was closed in January 2025. The Annual Report is also filed pursuant to ALJ Kao's April 21, 2026, email ruling granting SCE's extension request to file its EEAR on June 1, 2026. In addition, in compliance with Commission Decision (D.) 18-01-004, OP 8, Decision Addressing Third Party Solicitation Process for Energy Efficiency Programs, SCE is including in this EEAR the required information regarding third-party contracts, which is available in Appendix A to the EEAR, Section 7.

[1] *See* Order Instituting Rulemaking, issued on April 24, 2025. "This will be the primary venue for all issues relating to the energy efficiency policies, programs, and evaluation efforts for oversight of the portfolio administrators conducting and implementing energy efficiency programs under the Commission's jurisdiction." *See* OIR at p. 1.

SCE is concurrently filing a Notice of Availability of the 2025 Annual Report and its appendices and related documents available for viewing and downloading for the parties on the Proposal Evaluation & Proposal Management Application (PEPMA) website.[2]

Respectfully submitted,

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June 1, 2026

[2] Attachment B; PEPMA website is *available at* https://pepma-ca.com/Public/Default.asp**.**

Attachment A

SCE's 2025 Energy Efficiency Annual Report

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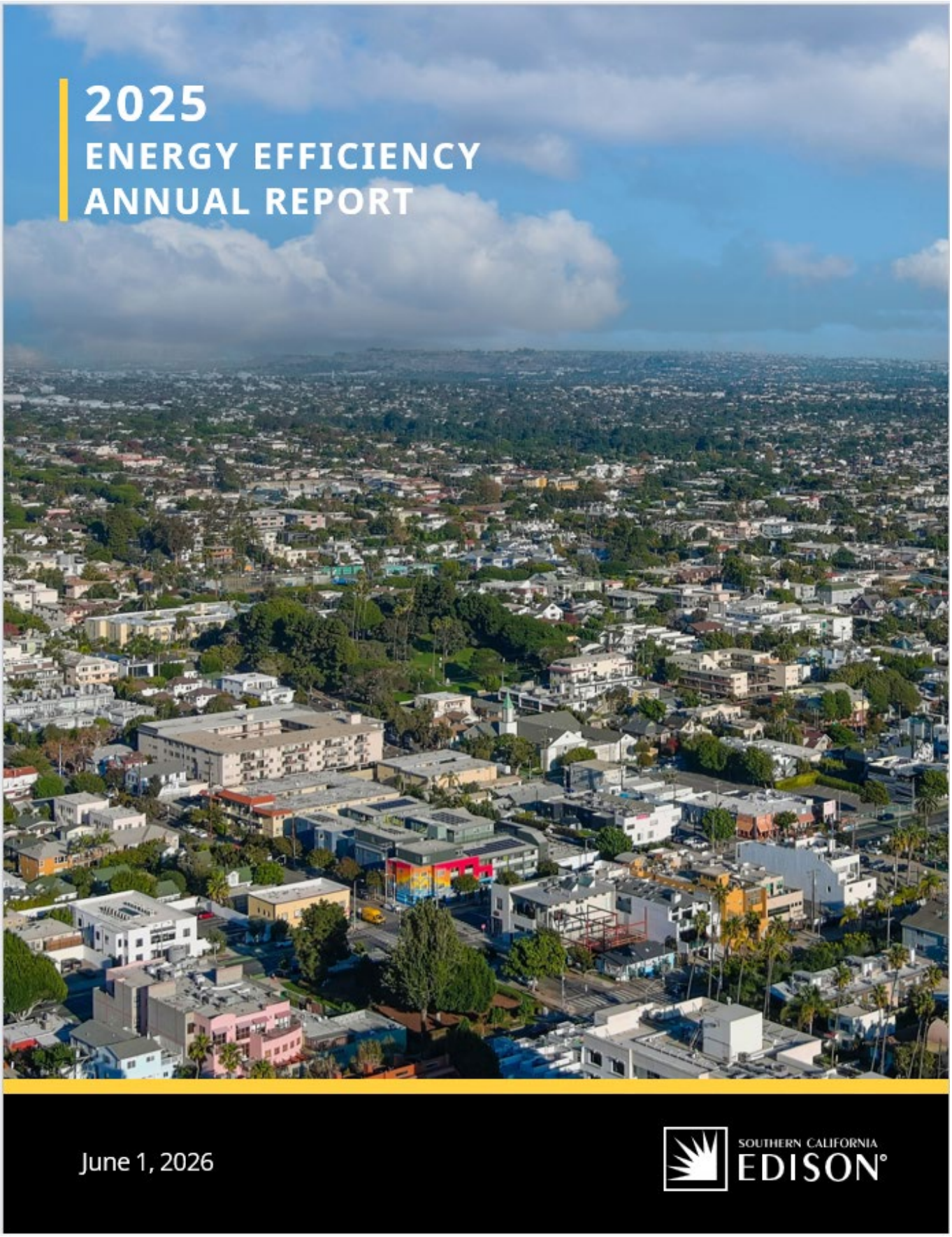

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Executive Summary

Performance Results

In Program Year 2025, Southern California Edison (SCE) exceeded CPUC Energy Efficiency (EE) goals while improving portfolio cost-effectiveness and delivering measurable customer bill savings. SCE achieved its Total System Benefit (TSB) target and maintained a Total Resource Cost (TRC) above 1.0, demonstrating that stronger performance can be achieved with disciplined, higher-value investments. These results reflect SCE's efforts to adjust contracts and transition to more outcome-driven portfolio aligned with system-level value, affordability, and grid needs.

SCE exceeded CPUC-approved EE goals and met its 60% regulatory requirement to deliver savings through third-party implementers (TPIs). SCE worked with its implementers to address early-stage delivery challenges, support program startup activities, and accelerate performance through targeted oversight and contract adjustments.

Key Results (PY 2025):

- 236% of TSB goal (excluding C&S)
- 112% of Codes & Standards (C&S) energy savings
- 125% of C&S demand reduction

These performance outcomes were achieved alongside improved portfolio cost-effectiveness. SCE's Resource Acquisition (RA) portfolio demonstrated meaningful gains. The Total Resource Cost (TRC), excluding Codes & Standards (C&S), reached 1.15, exceeding the 1.0 benchmark and representing a 10% improvement over the prior year. Including C&S, the portfolio achieved a TRC of 1.39, reflecting strong long-term value for customers.

C&S remains a major driver of portfolio performance, delivering approximately $1.026 billion in TSB, 1,126 GWh of energy savings, and 232.5 MW of demand reductions. Overall, SCE's

Portfolio Savings and Goal Achievements

- **Codes and Standards (C&S)**:

  Cost-effectiveness Total Resource Cost (TRC) is 1.39

  Net electric energy savings is 112% (1,126 GWh) of 1,008 GWh goal

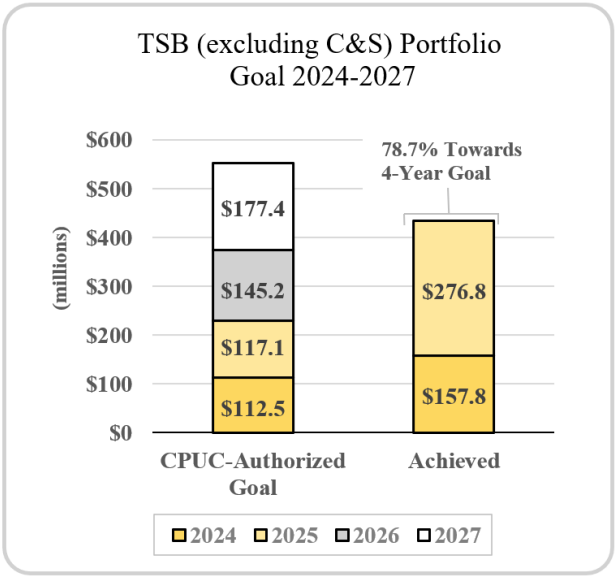
  Net electric demand reduction is 125% (232.5 MW) of 186.5 MW goal

- **Excluding C&S**:

  Total System Benefit (TSB) is 236% (276.8 million) of $117.1 million goal

  Resource Acquisition Cost-effectiveness Total Resource Cost (TRC) 1.15, Ratepayer Impact Measure (RIM) 1.19, Program Administrator Cost (PAC) 1.18

- **Bill Impacts:** Average electric rate of 0.22 $/kWh and estimated first year ratepayer bill savings of $287.0 million
- **Hard-to-Reach (HTR) and Disadvantaged Communities (DACs)** TSB over $70 million



portfolio TSB has increased compared to the prior year, reinforcing EE's role as a highly cost-effective, upstream system resource. These results highlight the importance of upstream and policy-driven savings as a foundational driver of portfolio performance.

These results show that higher-value activities, not increased spending, drive stronger outcomes. SCE achieved greater TSB per dollar while continuing progress toward long-term energy savings and emissions reduction goals.

SCE achieved these results through disciplined cost management, strong third-party oversight, and a sustained focus on execution and accountability. As reflected in SCE's comments in Rulemaking (R.) 25-04-010, continued refinement of EE policy frameworks will be critical to sustain performance as market conditions and electrification demands evolve.

Overall portfolio performance in PY 2025 reflects SCE's focus on disciplined, value-based decision-making. The portfolio met all goals and cost-effectiveness requirements, demonstrating SCE's commitment to responsible stewardship of ratepayer funds and delivering measurable savings and system value to customers. These results reflect not only strong performance outcomes, but also a deliberate and disciplined approach to portfolio management, as described below.

Portfolio Management

In 2025, SCE managed its EE portfolio with an emphasis on customer affordability, cost control[1], and regulatory alignment.

In Decision (D.) 23-06-055, the Commission emphasized prudent use of ratepayer funds, including controlling administrative costs and directing resources toward higher-performing cost-effective activities.

SCE adjusted its portfolio and programs to reflect current market conditions, spending levels, performance targets, and Commission guidance. These adjustments increased cost-effectiveness while better addressing customer needs and positioning SCE for strong outcomes.

Overall, SCE exceeded its portfolio Total System Benefit (TSB) goal by 136 percent, achieved $287 million in estimated first-year bill savings, and maintained a resource acquisition Total Resource Cost (TRC) above 1.0, excluding Codes and Standards (C&S). These results reflect purposeful shifts in portfolio design and delivery, as SCE refined scope and spending to prioritize strategies that deliver the highest system value.

SCE implemented its EE portfolio consistent with its Mid-Cycle Advice Letter[2] (Advice Letter 5670-E), approved March 19, 2026. Actual spending remained below authorized levels

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1 In D. 23-06-055, *Decision Authorizing Energy Efficiency Portfolios For 2024-2027 and Business Plans For 2024-2031*, *Section 5 (Portfolio Oversight and Administration)*, the Commission emphasizes that "energy efficiency portfolios must be administered in a manner that ensures prudent use of ratepayer funds, including controlling administrative costs and continuously assessing program performance to determine whether resources should be redirected to higher-performing or more cost-effective activities."

2 SCE Advice Letter 5670-E (Southern California Edison Company's Energy Efficiency Program and Portfolio Mid-Cycle Advice Letter for Program Years 2024–2027), approved March 19, 2026.

due to disciplined financial management and strategic planning. This underspend reflects intentional portfolio management, not reduced ambition. SCE continued to achieve its 2024 to 2027 goals ahead of schedule while maintaining cost-effectiveness. This reinforces that strong performance can be delivered through targeted, high-value investments.

Commission decisions, including D.23-08-005[3], and ongoing proceedings such as Rulemaking (R.)25-04-010, emphasize long-term system value, affordability, and integration with electrification and grid planning. SCE's EE strategy aligns with CPUC direction by transitioning EE from a standalone savings construct to a flexible, grid-responsive resource. This shift supports demand flexibility and Transmission and Distribution (T&D) infrastructure planning.

Looking Ahead

Looking ahead, SCE will build on this foundation by advancing a more integrated, outcome-driven EE portfolio aligned with California's evolving energy and decarbonization goals.

During PY 2025, SCE expanded delivery approaches designed to improve performance, reduce administrative burden, and strengthen overall portfolio effectiveness. This includes growth in Strategic Energy Management (SEM), NMEC-based solutions, and whole-building approaches, along with targeted refinements to reduce barriers and improve execution.

SCE's portfolio supports California's transition to a cleaner energy system by advancing electrification and the adoption of zero-emission technologies, including heat pumps and other emerging solutions. These efforts deliver both customer and system benefits by reducing energy use, improving grid performance, and helping manage electrification-driven load growth.

SCE's EE programs are structured as integrated, cost-effective system solutions rather than standalone offerings, supporting grid responsiveness, enhancing system reliability, and advancing statewide decarbonization objectives.

SCE's most recent Energy Efficiency Application[4] reflects a shift toward an affordability-first portfolio design and strong performance discipline, informed by Commission guidance and the Governor's Executive Order 5 (EO). SCE's Application, which awaits CPUC approval, advocates the principle that lower cost does not mean lower performance. It also emphasizes resizing the portfolio to reflect market demand. This approach concentrates ratepayer resources on the most durable, scalable, and cost-effective energy solutions.

Furthermore, SCE underscores the need to advance EE governance and delivery structures so that programs continue to compete on outcomes rather than regulatory mandates. SCE's Annual Report results demonstrate streamlined administrative processes, uniform oversight, and outcome-driven third-party delivery models. SCE will continue striving to achieve

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3 D.23-08-005: *Decision Adopting Energy Efficiency Goals for 2024-2035*, issued August 16, 2023.

4 SCE Application for Approval of 2028-2031 Energy Efficiency Programs, filed with the CPUC, March 16, 2026.

5 California Governor Gavin Newsom, Executive Order N-5-24 (Oct. 30, 2024), *available at* https://www.gov.ca.gov/wp-content/uploads/2024/10/energy-EO-10-30-24.pdf.

its goals and remain actively engaged with the CPUC and stakeholders to ensure SCE remains affordable, accountable, and aligned with California's evolving energy needs.

Building on lessons from PY 2024 and PY 2025, SCE will continue refining program design, delivery, and market readiness as we prepare for upcoming portfolio planning cycles. This year represents an important transition as we move into the next cycle. This approach connects near-term execution with longer-term strategy. To operationalize this direction, SCE advances four portfolio priorities.

Portfolio Priorities

In 2025, SCE's portfolio performance reflects a deliberate shift toward disciplined, outcome-driven management aligned with Commission guidance, customer affordability, and long-term system value. The following priorities summarize how SCE operationalized this strategy into measurable results across the portfolio.

Priority 1: Customer Affordability

In PY 2025, SCE delivered $287 million in estimated first-year bill savings, demonstrating that the EE portfolio was managed with affordability as its primary objective. This approach aligns with Commission direction, the State Audit, and statewide policy emphasis on customer bill impacts.

SCE strengthened affordability outcomes by refining the portfolio, improving targeting of cost-effective measures, and reducing spending on underperforming programs. This includes a deliberate focus on measures and programs that maximize Total System Benefit (TSB), strengthening affordability for customers.

To support these outcomes, SCE implemented targeted administrative refinements designed to simplify program execution while maintaining transparency and oversight. Several program amendments were executed, including revised performance payment structures, refined performance targets, and enhanced customer data-sharing protocols. These changes reduced implementation friction, improved coordination with implementers, and enabled timelier performance results amid evolving market conditions.

By concentrating administrative efforts on performance-driven activities, SCE improved its portfolio while preserving cost optimization. Importantly, this disciplined focus on affordability did not diminish portfolio performance; rather, it strengthened alignment with Commission objectives while sustaining cost control and delivering measurable TSB for customers.

Priority 2: Measurable Results

Throughout 2025, SCE continued ramping up its five Strategic Energy Management (SEM) programs. This reflects SCE's ongoing shift toward outcome-focused portfolio management. It also advances whole-building, population-level performance-based delivery models. These models compete with measurable results and support portfolio balance.

SCE's expansion of SEM and NMEC-based approaches will reduce administrative complexity and enable scalable system-level value and consistent savings across all our sectors.

These approaches also reinforce SCE's commitment to maintaining TRC greater than 1.0 for resource acquisition, while strategically targeting markets and segments that deliver the strongest performance outcomes.

The portfolio remains flexible and supports strategically designed delivery focused on outcome-driven results. Piloted[6] market access programs demonstrate how streamlined pathways can lower customer friction, attract capable market actors, and reduce process costs that do not directly contribute to savings, while maintaining accountability and regulatory rigor. These insights are now embedded in SCE's SEM programs and are being scaled across the portfolio, translating pilot success into repeatable delivery and more reliable, long-term savings.

Priority 3: Advancing Clean Power

In 2025, SCE expanded electrification and zero-emission technologies across its EE portfolio. Increased adoption of electric heat pumps and other clean technologies demonstrate SCE's progress toward decarbonization, supporting California's 2045 goals for greenhouse gas (GHG) emission reductions and load shedding on the grid. These investments reinforce SCE's important role in supporting the state's decarbonization goals while improving overall system efficiency.

Electric and fuel-substitution technologies, including Heat Pump Water Heaters (HPWH), delivered approximately $90 million in TSB. Behavioral and operational strategies complemented these efforts by supporting load growth management and enhancing system performance.

Priority 4: Optimizing Oversight and Accountability

In PY 2025, SCE strengthened regulatory oversight within its EE portfolio by working closely with CPUC Energy Division staff to establish clear, consistent expectations for policy interpretation and implementation. In doing so, SCE further advocated regulatory transparency and performance management by promoting clearly defined expectations for implementers and supporting the adoption of consistent statewide oversight practices. This ongoing collaboration helped reduce uncertainty related to costs, reporting, and program accountability, while supporting alignment across program administrators, implementers, and regulators. As part of this effort, SCE took a leading role in statewide CPUC Early Opinion[7] (EO) processes, which provided a structured forum for resolving policy questions and supporting consistent application of requirements across the portfolio.

One key example was EO No. 36. Through this effort, SCE and other IOUs worked with CPUC staff to clarify how customer costs associated with Strategic Energy Management (SEM) Energy Performance Improvement Actions (EPIAs) should be collected, documented, and reported. This effort resulted in standardized cost reporting requirements within CEDARS

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6 SCE Summer Reliability Market Access Program, D.21-12-011. *Energy Efficiency Actions to Enhance Summer 2022 And 2023 Electric Reliability*, issued December 8, 2021.

7 The California *SEM Measurement and Valuation (M&V) Guide* v 3.02 does not provide explicit guidance on SEM project cost collection and reporting. As a result, PAs statewide sought clarification through Early Opinion (EO) from CPUC ED staff regarding consistent treatment of customer costs for SEM Energy Performance Improvement Actions (EPIAs) contributing to claimed savings.

beginning in 2025 and reinforced expectations for transparency, thorough documentation, and the ability to support evaluator review of project-level decisions. In addition, IOUs participated in EO No. 43 and formal discussions that further clarified SEM program implementation and explicit policy interpretation through continued, iterative dialogue with CPUC staff.

Collectively, these EO efforts established a more structured and transparent approach to resolving cross-cutting program issues in real time, rather than relying on fragmented or inconsistent interpretations at the individual program level. By clearly documenting CPUC guidance and setting shared expectations for cost treatment, reporting, and project eligibility, these actions strengthen the reliability of savings claims and reduce the likelihood of adjustments during EM&V review. Overall, SCE's leadership in the EO process supports consistent oversight, improved program clarity, and a credible, adaptable energy efficiency portfolio as regulatory and market conditions continue to evolve.

Overall, PY 2025 results demonstrate that SCE's Energy Efficiency portfolio delivers strong, measurable outcomes through disciplined management, strategic alignment, and a focus on customer value. These results reflect both achievement against regulatory goals and continued progress in positioning EE as an integrated, system-responsive resource.

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Program Descriptions, Strategies and Outcomes

SCE remains committed to serving more than 15 million people across its 50,000 square mile service area in central, coastal, and southern California. Through statewide, local SCE and third-party implemented programs, SCE delivers EE solutions to homes, businesses, agriculture, industry, local governments, schools and colleges, water agencies, and other public organizations.

SCE's Annual Report provides program descriptions, specific outcomes, and forward-looking program strategies. SCE's programs are grouped by:

- Statewide Programs
- Market Sector
  - Residential
  - Commercial
  - Industrial
  - Agricultural
  - Public
  - Cross-Cutting
- Other Programs and Activities

SCE's EE resource acquisition sector totals, excluding C&S: The Residential sector achieved $57.0 million TSB with most of the savings coming from the Residential Energy Solutions Program and Multifamily Residential DI Program. The Commercial sector programs achieved $128.4 million TSB with the Comprehensive Commercial Program contributing the majority of savings from the sector. The Industrial, Agricultural, Public, and Cross-Cutting sectors combined achieve $54.7 million TSB.

Top Five Resource Acquisition Programs TSB Contribution (Excluding C&S)

Report Page No. (Links)	Market Sector	Program	TRC	TSB	Percent of TSB
25	Commercial	Comprehensive Commercial Program (CEEP)	1.19	$86.5	36.0%
33	Agricultural	Agriculture Energy Efficiency Program	1.29	$34.2	14.2%
N/A29	Commercial	*Midstream Commercial Water Heating	*4.63	$29.8	12.4%
21	Residential	Residential Energy Solutions	1.48	$12.4	5.2%
20	Residential	Multifamily Residential Direct Install Program	0.91	$11.2	4.7%

* SCE's savings and resource cost-effectiveness contribution to a Statewide Program led by Southern California Gas Company (SoCalGas).

Program descriptions and specific details about SCE's top five resource acquisition EE programs can be found within this Report. SCE's portfolio budgets and recorded actuals by sector are available on the California Energy Data and Reporting System (CEDARS).[8]

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[8] California Energy Data and Reporting System (CEDARS), *available at* https://cedars.cpuc.ca.gov.

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Statewide Programs

In 2018, the California Public Utilities Commission (CPUC) established Statewide (SW) Energy Efficiency programs and designated Lead Investor-Owned Utilities (IOUs) to administer individual initiatives. Since program inception, Statewide program scope, budgets, and Lead Program Administrator (LPA) responsibilities have expanded in accordance with Commission guidance.

IOUs coordinate regularly to support consistent statewide implementation, outreach, and budget administration. SCE funds LPAs for Statewide programs for which it is not the designated lead and receives proportional system benefits from shared statewide efforts, as reported through the CPUC's California Energy Data and Reporting System (CEDARS)[9]. The Table below summarizes the lead IOU assignments for Statewide Programs.

Lead Program Administrators for Statewide Programs

Program Category	Lead IOU
HVAC (Upstream Residential, Upstream Commercial)	SDG&E
New Construction (Residential)	PG&E
New Construction (Nonresidential)	PG&E
Codes & Standards (Building Codes Advocacy)	PG&E
Codes & Standards (Appliance Standards Advocacy)	PG&E
Codes & Standards (National Advocacy)	PG&E
Workforce Education & Training (Career Connections)	PG&E
Workforce Education & Training (Career Workforce Readiness)	PG&E
Institutional Partnerships (State of California, California Department of Corrections)	PG&E
Emerging Technologies (Electric)	SCE
Institutional Partnerships (University of California, California State University)	SCE
Water/Wastewater Pumping Program	SCE
Emerging Technologies (Gas)	SoCalGas
Foodservice Point of Sale	SoCalGas
Midstream Commercial Water Heating	SoCalGas
Home Energy Score (HES)	BayREN

SCE is the LPA for the following continuing Statewide Programs:

- Water/Wastewater Pumping, also known as Statewide Water Infrastructure & System Efficiency (SW WISE™) Program
- Institutional Partnerships, also known as Statewide Higher Education Efficiency Performance (HEEP) Program, and

9 CEDARS website *available at* https://cedars.cpuc.ca.gov/documents/standalone/list/

- Emerging Technologies (Electric), also known as the Statewide Electric Emerging Technologies Program (SWEETP).

Statewide Water Infrastructure & System Efficiency (SW WISE™) Program

Program Description (SCE_SW_WP)

Implementer: Lincus, Inc.

The Statewide Water Infrastructure and System Efficiency Program (SW WISE™) delivers EE solutions for water production, distribution, and treatment systems, as well as oil field clearwater pumping, across the service territories of SCE, Pacific Gas & Electric Company (PG&E), Southern California Gas Company (SoCalGas), and San Diego Gas & Electric Company (SDG&E).

The Program serves a broad customer base, including water agencies, private water companies, wastewater agencies, special districts, local government agencies, investor-owned water utilities, and oil field water-pumping customers. SW WISE™ focuses on reducing energy consumption while improving system efficiency, reliability and performance.

Primary Program objectives include:

- **Energy Engineering Services and Project Support:** Provide technical energy engineering services, project support, and financial incentives to support customer installation of EE measures. Program services also include training customers on the benefits of these types of projects. Services offer monitoring and inspection support to ensure successful installation of quality and verified savings delivery.
- **Training and Equipping Trade Allies:** Equip Trade Allies[10] (TAs) to operate in the water and wastewater segments to identify, recommend and implement more efficient processes and technologies. Support includes targeted projects through various stages of program development including marketing, identification of measures, energy assessments, post-installation measure verification, and financial incentives that facilitate project execution.

Strategies and Outcomes

In PY 2025, SW WISE installed one Custom Calculated optimization project and 8 Deemed Variable Speed Drive (VSD) projects. The Program is also preparing to target Pump Overhaul measures beginning in 2026.

Lincus is seeing renewed momentum across the SW WISE project pipeline, including progress in procurement and construction readiness. Based on current schedules, these projects are expected to contribute meaningfully toward closing the gap on program goals within the current program year. Lincus is also implementing internal process improvements to accelerate delivery and reduce the risk of future delays. In addition, SW WISE has been developing a co-enrollment strategy with SoCalREN's Water Infrastructure Program (WIP), a Strategic Energy

[10] *Trade Allies* (TAs) are professionals in the construction and contracting trades (electrical, plumbing, etc.) that support measure installation to support SCE's Energy Efficiency and other programs.

Management (SEM) program. SW WISE is targeting pump overhaul measures and coordinating co-enrollments with the WIP SEM program to increase the program's net-to-gross ratio identified in SEM opportunity registers. Improving the net-to-gross ratio will enable SW WISE to offer higher incentives to participating customers and strengthen overall Program performance in 2026.

Program highlights include the following:

- **Successful Execution of Program Amendment:** The second Program amendment adjusted performance targets, added customer data provisions, simplified the performance payment structure, and included a relaunch payment to support marketing efforts.
- **Establishment of Monthly Data-Sharing Protocols:** In alignment with D.23-02-002[11], SCE implemented monthly customer data-sharing protocols with the implementer beginning in April 2025. This included sharing SCE pump test data to enhance customer targeting and outreach efforts within the Program.
- **Enhanced Marketing and Outreach Strategy:** The Program launched an enhanced marketing campaign featuring bonus incentives for select measures (e.g., tank and pipe insulation) and data-driven targeted customer outreach. The implementer collaborated with IOU Account Management teams and Southern California Regional Energy Networks (SoCalREN) to identify and advance project opportunities statewide.
- **Net-to-Gross Ratio (NTGR) Adjustments via RP 2.1**: In coordination with the implementer, SCE applied the CPUC-approved Reporting Platform 2.1 (RP 2.1) framework, allowing customer Custom projects to qualify for net-to-gross ratios above the standard value-based on preponderance-of-evidence documentation, and increasing recognized net savings.

Statewide Higher Education Efficiency Performance Program (HEEP)

Program Description (SCE_SW_IP_Colleges)

Implementer: CLEAResult Consulting, Inc.

The Higher Education Efficiency Performance (HEEP) Program integrates traditional EE programs with SEM to support energy action plans for higher education institutions across the SCE, PG&E, SoCalGas, and SDG&E service territories. The program serves the University of California (UC), California State University (CSU), and California Community Colleges (CCC) systems.

HEEP requires a multi-year commitment encompassing training, energy analysis, and measurement and verification (M&V) activities.

Program objectives include:

[11] D.23-02-002, *Decision Addressing Energy Efficiency Third-Party Processes and Other Issues*, issued Feb. 3, 2023

- **Delivering Deep Energy Savings:** Supporting long-term performance improvements and strategies through SEM cohorts and a combination of Deemed, Custom Calculated, and Net Metered Energy Consumption (NMEC) approaches, and
- **Introducing Clean Energy Opportunities:** Expanding participant exposure to water efficiency, Demand Response (DR), renewable energy, project financing, and carbon mitigation strategies.

Strategies and Outcomes

As of December 31, 2025, the HEEP Program had 34 unique participants, an increase from 23 the prior year. During PY 2025, the Program submitted and received approval for 20 final reports in compliance with the *SEM Design Guide* requirements.

Program highlights include the following:

- **Execution of Amendment:** The second amendment revised terms that improved support for Program delivery, revised targets, added customer data provisions, and simplified the performance payment structure for the Program.

  The Program now offers fuel substitution measures such as Heat Pump Water Heaters (HPWH) for Program participants and is also being considered for a contract extension in 2026. This extension will allow the Program to continue to enroll customers while ensuring that participants complete a full cohort cycle.
- **Establishment of Monthly Data-Sharing Protocols:** SCE implemented customer data-sharing protocols and began sharing data with the implementer beginning July 2024, consistent with D.23-02-002.
- **Ongoing Program Improvement:** SCE and CLEAResult continued to address challenges with market barriers, Program implementation and recruiting activities. Enhancements include expanding recruiting activities and preparation for increased Deemed project activity and fuel substitution participation in 2026.

Statewide Electric Emerging Technologies Program (SWEETP)

Program Description **(SCE_SW_ETP_Elec)**

Implementer: **Cohen Ventures, Inc. dba Energy Solutions**

Statewide Electric Emerging Technologies Program (SWEETP), also known as CalNEXT, supports new technologies and delivery mechanisms to meet the evolving needs of California's electric IOUs' EE portfolios. SWEETP covers various technologies, including Heating, Ventilation, and Air Conditioning (HVAC), Process Loads, Water Heating, Lighting, Plug Loads and Appliances (PLA), Whole Buildings, and Portfolio Enhancements. The Program serves all sectors and includes Behavioral, Retro-commissioning, and Operational (BRO) efficiency.

Primary Program objectives include:

- Scan, prioritize, and evaluate commercially available opportunities in emerging technologies, including underutilized technologies. These opportunities will support emerging technology with statewide adoption and integration of viable pilots into SW EE portfolios.
- Share project results to inform stakeholders, support technology transfer, and advance industry understanding.
- Incorporate California's decarbonization plan, enhance equity, support grid priorities as part of statewide efforts, and
- Execute research projects.

Strategies and Activities

- **Planning and Prioritization:** Engage stakeholders, develop and revise Technology Priority Maps (TPMs) and publish quarterly reports.
- **Scanning and Screening:** Enhance published TPMs, communications, and high-quality project ideas.
- **Research:** Implement projects based on detailed plans, publish findings, and solicit feedback.
- **Dissemination of Technology:** Share project findings through various channels to engage stakeholders.
- **Transfer of Technology:** Facilitate the transfer of technologies to IOU portfolios, as well as Statewide participation that encourages emerging technology meetings and support.

Strategies and Outcomes

In 2025, SWEETP revised 7 TPMs and completed 4 Scanning and Screening processes, one in each quarter, for a total of 148 projects submitted by both partner and public participants. These projects include HVAC, Water Heating, Process Loads, Whole Buildings, Lighting, PLA, and Portfolio Enhancements. Overall, these project submissions lifted participation by approximately 17% compared to the prior year. This improvement increased stakeholder engagement and market interest.

Since inception four years ago, SWEETP has completed several Technology Development Research (TDR) studies focused on early-stage EE technology improvements and products that are not yet widely available in the marketplace. Highlights included a project that emphasized the new generation of split-system HPWHs on the market for the first time. The introduction of these new systems offers potential solutions for buildings that are not well suited for traditional unitary HPWHs. Split-system HPWHs allow the heat pump unit to be installed outdoors, while the storage tank is located indoors, reducing indoor space constraints and enabling efficient hot water delivery. This study examines availability, market potential, and product viability within the California multifamily market.

In addition, the Program conducts laboratory evaluation of variable-speed multi-function heat pump (MFHP) technology designed to provide both space conditioning and domestic hot water heating by using one single high-efficiency compressor and outdoor heat exchanger for residential applications. These emerging technology solutions continue to reduce peak electrical demand and avoid costly electrical panel upgrades. The research found that the variable-speed air-to-air MFHP delivers greater energy savings compared to separate heat pump HVAC systems and traditional HPWH methods. In addition, this new method needs less amperage from the panel, reducing the likelihood of required panel upgrades.

For Technology Support Research projects, which focus on market-ready technologies, the Program implemented several demonstration projects, including central heat pump water heaters (CHPWHs) and heat pump rooftop units (RTUs). The CHPWH project evaluated the performance, cost, and grid impact of packaged CHPWH systems installed in new multifamily construction in California. The HP RTU project involved installation and monitoring to assess the impacts of electrification retrofits in commercial buildings. Collectively, these studies demonstrated the advantages of HP technologies over alternative fuel types, including improved energy performance and reduced greenhouse gas emissions.

Finally, the program executed Amendment No. 02, extending SWEETP for an additional two years. The amendment revised the annual budget and updated the total projects planned for 2026 and 2027. It also outlined a schedule to close out the remaining projects in 2028 and 2029. In parallel, SCE collaborated with the implementer to improve the Technology Transfer process, introducing a more structured framework outlining the appropriate activities to facilitate project outcomes, ensure effective dissemination of information, and support market adoption.

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Residential Sector

SCE's Residential EE portfolio employs a diverse set of strategies to reduce energy consumption and demand while addressing market barriers and customer affordability challenges. Program offerings align with customer needs and support the objectives of the California Energy Efficiency Strategic Plan (CEESP).

SCE's Residential portfolio sector includes:

- Customer Home Engagement for Energy Reduction (CHEER)
- Disadvantaged Communities Marketing and Outreach Non-Resource Program
- Enervee Marketplace Program
- Multifamily Residential Direct Install Program
- Residential Energy Advisor Resource and Non-Resource Equity Programs
- Residential Energy Solutions
- Residential Pay-for-Performance Program - Assembly Bill (AB) 793.

Customer Home Engagement for Energy Reduction (CHEER)

Program Description **(SCE_3P_2025R_001)**

Implementer: Oracle

The Customer Home Engagement for Energy Reduction (CHEER) Program replaced the Home Energy Advisor Program in June 2025. It focuses on promoting behavioral changes with residents, including driving adoption of residential EE technology, by developing and sending Home Energy Reports (HERs) through mail and email. The HERs provide customers with information about their energy consumption as well as helpful tips to reduce energy usage. The Program uses Randomized Control Trial (RCT) methods to analyze and compare customer energy usage against local residents with similar home characteristics.

Strategies and Outcomes

In 2025, Oracle expanded HERs to more than 2.3 million residential customers. Continued program engagement resulted in energy reductions exceeding 56 GWh and peak demand reductions of approximately 19 MW. For 2026, CHEER will expand HERs to approximately 2.7 million residential customers and also start new monthly communications (energy alert notifications) to 1.2 million customers for when their bills begin trending higher.

Disadvantaged Communities Marketing and Outreach Non-Resource Program

Program Description **(SCE_Res_Equity_003)**

Implementer: Global Energy Services (GES), Inc.

The Disadvantaged Communities Marketing and Outreach (DACMO) Program targets Disadvantaged Communities (DACs), Hard-to-Reach (HTR), and underserved communities to increase residential customers' participation in EE, DR and Electrification programs. DACMO addresses barriers to participation by providing multilingual staff, an advertising campaign targeting language-specific local media, a toll-free hotline, a multilingual website, booths at local community events, social media presence, and strategic partnering with local governments.

DACMO aims to raise EE awareness in disadvantaged and underserved communities which might not participate due to language and financial barriers. Barriers are removed by bringing program information directly to the customer through community outreach events, distribution of door hanger material, social media, and radio ads used to communicate Program benefits. This outreach encourages customers to take advantage of in-home Energy Advisements, which provide helpful energy savings recommendations.

Strategies and Outcomes

DACMO's program presence in the Equity market significantly raised EE awareness and improved customer satisfaction with SCE rebate and DR programs. Lessons learned during 2025 refined DACMO's outreach strategies and enhanced project implementation. The program continues to serve equity customers and build on prior program success, leading to an amendment extending the program's delivery period to the end of 2027. The original budget was under $5M. SCE filed an AL, which was approved January 28, 2026, requesting CPUC approval to increase the budget to $7.6M.

In 2025, DACMO achieved its targets. For example, DACMO's activities and achievements included 98 outreach events in local communities, 663 radio and social media ads, 50,000 door hanger communications, and 1,300 Home Energy Advisements to residential customers seeking to reduce energy usage and costs. DACMO met 100% of its performance objectives and continued building upon prior-year success.

Enervee Marketplace Program

Program Description **(SCE_3P_2020RCI_001)**

Implementer: **Enervee Corporation**

The Enervee Marketplace Program operates an online consumer product Energy Management Technology (EMT) marketplace that provides a web-based platform for SCE's residential customers. The platform provides information on retail prices, product efficiency, operating costs, and savings to help SCE customers compare the total cost of ownership for different products, including product cost and energy bill savings. The Program also offers SCE customers low-interest Eco Financing to help overcome financial barriers and purchase energy-efficient products without IOU-ratepayer funded EE rebates.

Strategies and Outcomes

In 2025, Enervee delivered 40 Deemed projects, resulting in approximately 1.7 net MWh energy savings. The Enervee Marketplace Program did not meet its program targets for PY 2025. The program is now closed as it ran to term at the end of 2025.

Multifamily[12] Residential Direct Install Program

Program Description (SCE_3P_2024R_MF_001)

Implementer: Synergy Companies

The Multifamily Residential Direct Install (MFRDI) Program provides direct installation of comprehensive EE measures to residential Multifamily customers and common areas at no cost. The Program targets specific geographic areas to alleviate energy hardship and electrical system constraints, and to assist lower- to medium-income populations not eligible for income assistance programs. The Program enhances EE knowledge and Program participation within the Multifamily market segment to motivate customers to undertake deeper EE activities and retrofits.

Strategies and Outcomes

The Program successfully launched on April 1, 2025, with a short ramp-up period. Implementation benefited from the transition of the legacy Residential Direct Install (Res DI) Program, leveraging established Multifamily delivery momentum as ongoing Res DI Multifamily installations transitioned into the MFRDI.

Outreach and enrollment strategies emphasized data-driven targeting of Multifamily properties, including climate-zone targeting and Equity segments such as HTR and DACs. These efforts combined intelligent prospecting, direct engagement with decision makers, and direct installation of no-cost EE measures.

Strong market demand and delivery throughput resulted in a substantial pipeline and high implementation volume, with more than 11,000 projects completed during the year. To sustain delivery pace and respond to continued demand, the Program pursued contract and budget actions, including a budget increase request to support ongoing implementation at the observed run rate.

Residential Energy Advisor Resource and Non-Resource Equity Programs

Program Description (SCE_Res_Equity_001 and SCE_Res_Equity_002)

Implementer: CLEAResult Consulting, Inc.

The Residential Energy Advisor (REA) programs are Equity-focused initiatives that leverage non-resource and resource components to support the CPUC Environmental Social Justice (ESJ) Action Plan 2.0 goals of:

- Increasing investment in clean energy resources that benefit ESJ communities
- Improving local air quality and public health

[12] SCE defines "multifamily" as a housing classification where separate housing units for residential inhabitants are contained within one building or several buildings within one complex or residential building that houses more than one family at a time. Apartments, condos, townhouses, duplexes, and quadruplexes are examples of Multifamily housing options.

- Enhancing climate resiliency within ESJ communities, and
- Promoting high-road career pathways and expanding economic opportunities for residents of ESJ communities.

The implementer utilized market analytics to target outreach and Program activities to residential customers in moderate-income households, renters, and those residing within Disadvantaged and Underserved communities. The non-resource contract focused on targeting outreach to DACs through in-home customer education, Energy Advisor services, coordinating community outreach events and Trade Ally (TA) online learning opportunities. The resource contract emphasizes the development of a Trade Ally Network, Trade Ally marketing materials, and customer incentives for EE upgrades.

Coordinated multichannel marketing campaigns have been implemented to raise awareness among the targeted populations through email and direct mail communications, digital advertising and social media platforms. In addition, the implementer coordinates outreach events and community engagement activities with local Community-Based Organizations (CBOs) including community centers and churches.

The REA program offered free home Energy Advisements to participating customers. These assessments collected information on home insulation levels, HVAC and water-heating systems, and other relevant data needed to identify EE opportunities and estimate potential energy savings. This aimed to increase customer receptivity and adoption of EE, creating a virtuous cycle of interaction between customers, Trade Ally Networks, and EE programs. The implementer leverages existing Trade Ally Networks and partnerships developed through Comfortably CA, Golden State Rebates and the Technology and Equipment for Clean Heating (TECH) Initiative. The implementer conducts targeted outreach to TAs who participate in these programs and have a base-level understanding of EE and fuel substitution.

Strategies and Outcomes

SCE continued to collaborate with the implementer and proposed Program corrections such as improving customer engagements, geographic concentrations, customer eligibility, marketing strategies, DAC and Low-Income Community (LIC) populations, and coordination with Trade Allies. Program performance did not improve. As a result, SCE and CLEAResult mutually agreed to terminate the program at the end of 2025.

In summary, the implementer completed over 50 non-resource projects. In addition, REA completed more than 170 resource projects.

Residential Energy Solutions

Program Description **(SCE_3P_2025R_002)**

Implementer: **Synergy Companies**

The Residential Energy Solutions (RES) Program provides the direct installation of comprehensive EE measures to residential Single-Family and Manufactured Housing customers at no cost. It targets specific geographic areas to alleviate energy hardship and electric system constraints and to assist the lower-to-medium-income population not eligible for income

assistance programs. The Program is designed to enhance EE knowledge and participation of the Single-family and Manufactured Housing market segments to motivate them to undertake deeper EE activities and retrofits.

Strategies and Outcomes

The Program successfully launched June 1, 2025, followed by a brief ramp-up period. Implementation benefited from the transition of the legacy Res DI and CMHP programs by leveraging established Single-Family delivery under Res DI and Manufactured Home delivery under CMHP. Installations from both legacy programs were seamlessly transitioned into the RES program. Customers enrolled in the predecessor programs prior to the RES launch were served through project completion, while all new Single Family and Manufactured Housing enrollments were directed to RES following launch. This phased transition minimized customer disruption, preserved installation momentum, and supported orderly ramp-down and closeout of legacy programs.

The Program utilized a downstream Deemed Direct Install delivery model to support efficient, scalable deployment. Standardized, CPUC-approved measure packages and streamlined implementation processes have positioned the Program for high-volume delivery while maintaining cost-effective energy savings and administrative efficiency. In addition, RES was intentionally designed to complement existing income-qualified programs by serving lower-to-moderate-income customers who may not otherwise have access to no-cost energy efficiency services.

By the end of the year, RES had completed more than 6,000 projects, with operational, reporting, and oversight processes fully established. The Program successfully consolidated Single Family and Manufactured Housing installations within a single, scalable structure and closed the year well positioned to expand delivery, respond to market demand, and support SCE's residential EE and grid support objectives in future program years.

Residential Pay-for-Performance Program

Program Description **(SCE-13-TP-024)**

In 2017, California AB 793[13] and the associated CPUC Resolution E-4820[14] mandated that all California IOUs develop and implement incentive programs for residential and Small and Medium-sized Business (SMB) customers to acquire Energy Management Technology (EMT). EMT includes products, services, and software that allow customers to better understand and manage electricity and/or natural gas consumption in their homes or places of business.

[13] California AB 793 requires IOUs to provide incentives for residential and small business customers to acquire energy management technology (EMT).

[14] Resolution E-4820: *Request for Approval of Pacific Gas and Electric, San Diego Gas & Electric, Southern California Edison and Southern California Gas' Assembly Bill 793 (AB 793) Advice Letters (ALs)*, issued April 7, 2017.

Strategies and Outcomes

Offered rebates for EMT products such as Home Area Network (HAN) devices and Smart Thermostats remain available through SCE.com.

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Commercial Sector

SCE's Commercial EE portfolio delivers Demand-Side Management (DSM) solutions designed to reduce energy consumption and operating costs for a broad range of Commercial customers. Targeted segments include distribution warehouses, office buildings, hotels, motels, restaurants, food service, schools, universities and colleges, hospitals, high-tech facilities, biotechnology facilities, retail facilities, and smaller customers with similar buying characteristics.

SCE's commercial portfolio sector includes:

- Commercial Energy Advisor Program
- Commercial Energy Reduction Initiative (CERI)
- Comprehensive Commercial Energy Efficiency Program (CEEP)
- Comprehensive Refrigeration Energy Savings & Training Program (CREST)
- Grid-Responsive Incentive Design Market Access Program (GRID-MAP)
- Measured Savings Program
- Refrigeration Efficiency and Leak Management (REALM)
- Resource Innovations Small Medium Business Equity (Simplified Savings) Program
- SPARKe Strategic Energy Management (SEM) Program
- Strategic Energy Management (SEM) Program

Commercial Energy Advisor Program

Program Description **(SCE-13-SW-002A)**

The Commercial Energy Advisor Program supported California's building benchmarking requirements pursuant to AB 802[15] by providing whole building-aggregated energy usage data to qualifying customers. Program delivery focused on enabling compliance with California Energy Commission (CEC) benchmarking regulations.

Strategies and Outcomes

In 2025, SCE provided the CEC with monthly aggregated whole-building energy usage data for approximately 21 SCE-owned buildings that are 50,000 sq. ft. or larger. Benchmarking data will continue to be collected on an annual basis.

[15] AB 802 (2015) creates a "benchmarking and disclosure program" to enable owners of commercial and multifamily buildings above 50,000 square feet to understand their buildings' energy consumption.

Commercial Energy Reduction Initiative (CERI)

Program Description (SCE_3P_2025C_001)

Implementer: Resource Innovations, Inc.

The Commercial Energy Reduction Initiative (CERI) Program is a resource acquisition program serving SCE's Commercial customers primarily across healthcare, high-tech, biotech, private school and college subsectors. The Program leverages site-level NMEC to capture and verify energy savings along with offering Custom Calculated and Deemed measures. CERI is designed to deliver a streamlined, flexible customer journey that combines multiple participation pathways with personalized guidance to help customers identify and advance their most effective near-term energy projects. Resource Innovations will tailor engagement based on customer size and needs, offering larger Commercial customers a holistic, ongoing relationship that includes the development of a strategic energy plan and the implementation of multiple projects over time.

Strategies and Outcomes

The CERI Program was launched in 2025. The Program focuses on foundational startup efforts and building an initial pipeline of participating customers through outreach and recruitment.

Comprehensive Commercial Energy Efficiency Program (CEEP)

Program Description (SCE_3P_2020RCI_005)

Implementer: Willdan Energy Solutions

The Comprehensive Commercial Energy Efficiency Program (CEEP) is a downstream-delivered resource acquisition program serving SCE Commercial customers. The Program offers Deemed, Custom Calculated, and NMEC measures across a range of North American Industry Classification System (NAICS) segments, including lodging, restaurants, grocery stores, warehouses, refrigerated warehouses, retail, technology, offices, and miscellaneous.

Strategies and Outcomes

In 2025, Willdan Energy Solutions forecasted that they would surpass their 2025 Total System Benefit (TSB) goal by year-end, despite ED's reduced TSB for the Heat Pump Water Heater (HPWH) measures[16]. SCE and Willdan amended the Program agreement to allow Willdan to accelerate delivery of a portion of the 2026 TSB savings during the 2025 Delivery Year without increasing the total contracted amount for both years. As a result, 2025's contract amount is $76 million. As such, no Advice Letter filing was required. CEEP delivered more than

[16] The TSB for HPWH equipment is calculated using the Commission's Cost-Effectiveness Tool (CET), consistent with the PY 2025 methodology set forth in the Measure Package (versions SWWH028-06-3, SWWH028-07-1) and the Energy Division's April 28, 2025, *Revised Guidance for Large Commercial Heat Pump Water Heater, Commercial and Multifamily, Fuel Substitution Measure Package SWWH028 for Capacity and Energy Savings Claims* (Revised Guidance).

$80 million TSB, exceeding its 2025 TSB. CEEP delivered a Total Resource Cost (TRC) of around 1.20.

CEEP delivered mostly Deemed and a few Custom Calculated projects for approximately 278 projects, of which 97% were Heat Pump Water Heaters (HPWH). Most of the Program's savings were from hotels, motels, commercial offices, medical buildings, grocery stores, recreational centers, civic and religious organizations. Willdan Energy Solutions continues to educate and train new and existing installers and Trade Professionals throughout the supply chain pipeline within the EE marketplace.

Comprehensive Refrigeration Energy Savings & Training (CREST) Program

Program Description (SCE_3P_2025C_002)

Implementer: Cascade Energy

The CREST Program serves Commercial customers operating energy-intensive refrigeration, process cooling, and HVAC systems. Using site level- NMEC methodologies, the Program captures savings across Behavioral, Retrocommissioning and Operational (BRO) and capital measures. Cascade provides technical assistance and incentives supporting capital projects that include low Global Warming Potential (GWP) refrigerant transitions and electrification using fuel substitution measures. CREST also incorporates training opportunities and supports workforce development.

Strategies and Outcomes

CREST launched in 2025, with activities focused on startup, customer outreach, and pipeline development. Energy savings delivery is expected to commence in 2026 following completion of baseline development and project scoping activities.

Grid-Responsive Incentive Design Market Access Program (GRID-MAP)

Program Description (SCE_3P_2025MAP_001C)

Implementer: Mendota Group

GRID-MAP offers Residential and Commercial customers opportunities to improve building efficiency while supporting grid reliability. The Program employs an innovative market-access framework that allows aggregators and qualified contractors to participate under standardized terms. Incentives are based on NMEC-derived TSB, which attracts contractors and customers by facilitating project development through a centralized software platform. Mendota Group's custom software streamlines enrollment processes for aggregators, enables project scoping, has scenario evaluation capability, speeds up application submission, and allows customers online access.

Strategies and Outcomes

The Program launched in early 2025, focusing on aggregator recruitment, market awareness, and pipeline development. PY 2025 participants were primarily fast food and

restaurant chains. Verified savings projects have already progressed through M&V, with quarterly cohort-level reporting.

Measured Savings Program

Program Description (SCE_3P_2025MAP_002C)

Implementer: Alternative Energy Systems Consulting (AESC)/Franklin Energy

Alternative Energy Systems Consulting's (AESC) Measured Savings Program is a pay-for-performance initiative serving SCE's Commercial customers through Demand-Side energy interventions. Aggregators play a central role in identifying and enrolling customers, with compensation based on weather-normalized hourly energy impacts measured over one year using Population NMEC, and occasionally site-specific NMEC methods. The Program's incentives are aligned with TSB, rewarding projects that deliver peak demand reductions and have a longer effective useful life. The Program leverages AESC's M&V platform, Praxis, and introduces innovations like upfront aggregator payments and no-cost platform access to streamline participation. Objectives include increasing aggregator involvement, optimizing grid benefits, expanding project eligibility, and providing transparent Program management. The goal is to deliver cost-effective, measurable grid benefits by maximizing participation and savings.

Strategies and Outcomes

The Program launched in the first half of 2025, focusing on building Program awareness with aggregators and developing a pipeline of participants and delivering saving for 2025. AESC focused on aggregator engagement with tools and training to monitor performance.

Refrigeration Efficiency and Leak Mitigation (REALM)

Program Description (SCE_3P_2025C_003)

Implementer: Redwood Energy Services, Inc.

The Redwood Refrigeration Efficiency and Leak Mitigation (REALM) Program delivers targeted EE solutions for energy-intensive Commercial refrigeration systems within SCE's service territory. The Program focuses on supermarkets, food service establishments, and refrigerated warehouses, where complex multiplex refrigeration systems often contain significant stranded and unrealized EE opportunities. REALM serves Small and Medium Business (SMB) Commercial customers and applies a whole-building, data-driven approach to identify, quantify, and implement cost-effective EE measures while also delivering greenhouse gas (GHG) reductions through refrigerant leak mitigation.

Strategies and Outcomes

This contract became effective May 29, 2025. A public webinar was held on June 25, 2025, to introduce the Program to stakeholders. The Program applies site-level NMEC methodologies to quantify savings and support comprehensive project implementation. PY 2025 focused on Program launch, customer engagement, data collection, and project development activities. No EE installations were expected during this ramp-up period. We anticipate that EE

projects will be implemented beginning in PY 2026, supporting scalable energy and GHG reductions across the commercial food retail sector.

Small Medium Business Equity (Simplified Savings) Program

Program Description (SCE_SMB_Equity_001)

Implementer: Resource Innovations, Inc.

Resource Innovations' Small Medium Business Equity Program (also termed Simplified Savings) aims to deliver meaningful energy bill savings to SCE's SMB customers that operate in DACs and underserved and/or HTR customers. The Program will achieve this through local partnerships with Trade Allies (TAs) as well as CBOs for customer outreach, and will offer services such as energy education, bill analysis, free Direct Install (DI) measures, and incentives for higher impact energy-saving measures (referred to as post-DI measures). The Program focuses on non-residential SCE customers with a monthly maximum demand of <200 kW. Customers can select their TA by searching for contractors that match their desired criteria, such as languages spoken, diverse ownership, Better Business Bureau (BBB) ratings, or customer reviews.

Simplified Savings offers free (or discounted) EE measures to SMBs located in DACs and HTR areas that face language and financial barriers. Financial and cultural barriers frequently prevent customers from participating in SCE's EE programs. These obstacles are addressed by directly delivering marketing to customers through CBOs and TAs. Resource Innovations is also deploying an Equity plan that encourages these communities to take advantage of EE industry training programs that would lead to employment opportunities. The Program includes workforce development as a non-resource project, aiming to empower community members with skills and opportunities needed for sustainable employment in the energy sector.

Strategies and Outcomes

In 2025, Resource Innovations implemented targeted operational adjustments to address early implementation challenges, including strengthening the Trade Ally network, improving customer outreach coordination, and reinforcing Equity program delivery expectations. Following 2024 performance, the Program emphasized a combined delivery of on-site energy assessments of equipment, billing patterns, and operational practices for tailored energy-saving recommendations and no-cost Direct-Install measures for the customer to realize those savings.

While these strategies increased program non-resource measure activity beginning mid-year, the Program did not achieve resource measure installations or energy savings. Program delivery remained focused on non-resource measures, resulting in no reported savings and unmet resource performance goals. Overall, the Program completed more than 470 non-resource projects and Energy Advisements serving Equity-eligible small and medium-sized businesses. Although Simplified Savings delivered many non-resource projects, the lack of resource projects led to the program not meeting its energy savings targets.

SPARKe Strategic Energy Management (SEM) Program - Commercial

Program Description (SCE_3P_SEM_003)

Implementer: Cascade Energy

The SPARKe Commercial SEM Program delivers SEM services to customers with annual energy usage greater than 2 million kWh. Program participants can enroll in the Program, which can continue over a series of three consecutive two-year cycles.

SPARKe includes innovative delivery approaches that are built upon the *California SEM Design Guide* and *California SEM M&V Guide.* Approaches include new customer targeting, projects serving a larger number of customers, resources that help customers implement more projects, technical coaching, financial support for decarbonization, and electrification projects.

Strategies and Outcomes

The SPARKe Commercial SEM Program focused on recruitment activities in 2025. They launched three cohorts from Q2 to Q4 of 2025, bringing the total number of Program participants to 15. The Program expects to see savings beginning in 2026.

Strategic Energy Management (SEM) Program - Commercial

Program Description (SCE_3P_SEM_001)

Implementer: CLEAResult Consulting, Inc.

The local Commercial SEM Program goes beyond traditional EE programs by implementing SEM, a holistic, whole-facility approach that uses NMEC with a dynamic baseline model to determine energy savings from all Program activities at the facility, including capital projects, Deemed and Custom Calculated retrofits, maintenance and operation, and retro-commissioning projects. The SEM Program for the Commercial sector requires a multi-year customer commitment to participate in multiple cohort-type training workshops, individual or cohort energy analyses and M&V activities based on characteristics of the facility's specific operations.

The local Commercial SEM Program targets customers across the Commercial sector and delivers savings to diverse building types owned by public/private entities. Examples include hospitals and healthcare facilities, large office buildings, hotels and resorts, data centers, retail, and warehouses.

Strategies and Outcomes

The Program launched in the last half of 2024, focusing primarily on recruiting customers. CLEAResult is engaging in SEM curriculum for enrolled customers and developing their customer pipeline to deliver savings in future years.

Industrial Sector

SCE's Industrial EE portfolio supports large energy-intensive customers by promoting integrated energy management solutions that address operational efficiency, behavioral practices, and Industrial equipment upgrades. Industrial customers include manufacturing, textiles, refineries, and wastewater treatment plants. Programs are designed to overcome the traditional market barriers supporting alignment with distributed generation (DG) and Demand Response (DR) opportunities.

SCE's Industrial portfolio sector includes:

- Industrial Incentive Solutions Program
- Legacy Strategic Energy Management (SEM) Program
- SPARKe Strategic Energy Management (SEM) Program, and
- Strategic Energy Management (SEM) Program.

Industrial Incentive Solutions Program

Program Description **(SCE_3P_2025I_001)**

Implementer: Cohen Ventures, Inc. dba Energy Solutions

Industrial Incentive Solutions (IIS) provides a comprehensive incentive framework supporting large and medium Industrial customers. IIS offers midstream and downstream Deemed measures, supports Custom Calculated projects, encourages fuel substitution and NMEC methodology pathways. The Program aims to increase participation among industrial customers by targeting the development of new Deemed measures and shifting the delivery of measures from downstream to midstream.

Strategies and Outcomes

The Program launched in Q4 2025 and focused on establishing distributor and customer outreach channels to develop qualified midstream project pipelines. Initial savings are expected in PY 2026.

Legacy Strategic Energy Management (SEM) Program

Program Description **(SCE-13-SW-003D)**

The Legacy Industrial SEM Program follows statewide SEM design and measurement guidelines and requires a multi-year participant commitment. The Program delivers whole-facility energy savings that focus on operational improvements that reduce demand. The Industrial SEM Program assists facilities in identifying, prioritizing, and implementing energy savings opportunities and capital investments that would not otherwise occur absent Program support.

Strategies and Outcomes

In 2025, 3 cohorts remained active in the Program and have collectively exceeded energy savings targets. The Program is closed to new participants and is no longer recruiting new cohorts. The Program's focus has shifted to allowing the remaining 12 participants to complete their six-year SEM journey and graduate from the SEM program.

SPARKe Strategic Energy Management (SEM) Program - Industrial

Program Description **(SCE_3P_SEM_004)**

Implementer: **Cascade Energy**

The SPARKe Industrial SEM Program delivers SEM services to customers with annual energy usage greater than 2 million kWh. Program participants can enroll in the Program, which can continue over a series of three consecutive two-year cycles.

SPARKe includes innovative delivery approaches that build upon the *California SEM Design Guide* and *California SEM M&V Guide.* Approaches include new customer targeting, projects serving a larger number of customers, resources that help customers implement more projects, technical coaching, financial support for decarbonization, and electrification projects.

Strategies and Outcomes

In 2025, the SPARKe Industrial SEM Program emphasized recruitment activities. In addition to one existing cohort launched in 2024, 3 new cohorts were launched in 2025, bringing total Program participants to 38 customers. Cohort A exceeded energy savings targets in 2025, with additional savings anticipated in 2026.

Strategic Energy Management (SEM) Program - Industrial

Program Description **(SCE_3P_SEM_002)**

Implementer: **CLEAResult Consulting, Inc.**

The local Industrial and Agricultural SEM Program goes beyond traditional EE programs by implementing SEM, a holistic, whole-facility approach that uses NMEC with a dynamic baseline model to determine energy savings from all Program activity at the facility, including capital projects, Custom Calculated and Deemed retrofits, maintenance, operation, and retro-commissioning projects. The SEM Program for the Industrial and Agricultural sectors requires a multi-year customer commitment to participate in multiple cohort-type training workshops, individual or cohort energy site analysis and M&V activities based on the characteristics of the facility's specific operations.

The Program targets customers across the Industrial and Agricultural sectors and delivers savings to diverse building and site types owned by public or private entities.

Strategies and Outcomes

The Program launched in the last half of 2024 and is focused primarily on recruiting customers. During 2025, CLEAResult continued developing its customer enrollment pipeline, positioning the Program to deliver savings in future years.

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Agriculture Sector

SCE's Agriculture EE portfolio provides solutions to help Agricultural customers save money and energy. This includes technical support, facility audits, calculation and design assistance, pump tests, and financial support through Custom Calculated and Deemed incentives. Targeted segments include dairies, farms, food processing facilities, and water pumping facilities.

SCE's Agriculture portfolio sector includes:

- Agriculture Energy Efficiency Program
- SPARKe Strategic Energy Management (SEM) Program, and
- Strategic Energy Management (SEM) Program.

Agriculture Energy Efficiency Program

Program Description **(SCE_3P_2021AGPUB_001)**

Implementer: **ICF Resources LLC**

The ICF Resources Agriculture Energy Efficiency (AgEE) Program delivers comprehensive Deemed and Custom Calculated EE solutions to Agricultural customers. This Program is the successor of two legacy SCE-implemented Agricultural programs that concluded in 2022 and builds upon their foundation by expanding market reach, strengthening delivery mechanisms, and accelerating energy savings across the sector.

AgEE serves a diverse range of Agricultural operations, including Controlled Environment Agriculture, Livestock Operations, Irrigated Crops, and On Farm Postharvest Processing. The Program is designed to maximize energy savings while providing measurable operating cost reductions for participating customers. This approach supports sustained adoption of energy-efficient technologies and reinforces a consistent cadence of savings delivery within the Agricultural market.

Strategies and Outcomes

In Program Year 2025, the AgEE Program demonstrated strong performance, delivering over $34 million TSB and achieving more than 61 GWh in energy savings. These performance results represent over 130% of the Program's established energy savings targets. Notably, approximately 80% (or $24 million TSB) of AgEE's total 2025 TSB was realized after SCE executed Amendment No. 2 on September 5, 2025, significantly accelerating delivery and Program momentum during the latter portion of the year.

SCE has proactively partnered with the implementer to strengthen Program execution by emphasizing customer education and multi-level outreach strategies. These efforts have contributed to performance exceeding target thresholds, driving customer awareness, increased participation, and higher verified savings across agricultural subsectors.

Looking ahead, the AgEE Program will continue to focus on maintaining a strong performance cadence by reinforcing delivery accountability, enhancing customer service and offering cost-effective, scalable EE solutions. Through these efforts, the Program will remain a key driver of long-term EE adoption and measurable savings within the agricultural market.

SPARKe Strategic Energy Management Program - Agriculture

Program Description (SCE_3P_SEM_004A)

Implementer: Cascade Energy

The SPARKe Agriculture SEM Program delivers SEM services to customers with annual energy usage greater than 2 million kWh. Program participants can enroll in the Program, which can continue over a series of three consecutive two-year cycles.

SPARKe includes innovative delivery approaches that are built upon the *California SEM Design Guide* and *California SEM M&V Guide.* Approaches include new customer targeting, projects serving a larger number of customers, resources that help customers implement more projects, technical coaching, financial support for decarbonization, and electrification projects.

Strategies and Outcomes

In 2025, the SPARKe Agricultural SEM Program emphasized recruitment activities. In addition to 1 existing cohort launched in 2024, 3 new cohorts were initiated in 2025, bringing total program participants to 38 customers. Cohort A exceeded energy savings targets in 2025, with additional savings anticipated in 2026.

Strategic Energy Management Program - Agriculture

Program Description (SCE_3P_SEM_002A)

Implementer: CLEAResult Consulting, Inc.

The Local Industrial and Agricultural SEM Program goes beyond traditional EE programs by implementing SEM, a holistic, whole-facility approach that uses NMEC with a dynamic baseline model to determine energy savings from all Program activity at the facility, including capital projects, Custom Calculated and Deemed retrofits, maintenance, operation and retro-commissioning projects. The SEM Program for the Industrial and Agricultural sectors requires a multi-year customer commitment to participate in multiple cohort-type training workshops, individual or cohort energy analyses and site M&V activities based on the characteristics of the facility's specific operations.

The Program targets customers across the Industrial and Agricultural sectors and delivers savings to diverse building and site types owned by public or private entities.

Strategies and Outcomes

The Program launched in the last half of 2024 and focused primarily on recruiting customers. During 2025, CLEAResult continued engaging in SEM curriculum for enrolled customers while developing its customer pipeline to support future savings.

Public Sector

SCE's Public Sector EE portfolio serves customers that include public and private universities, tribes, federal and state agencies, and taxpayer-funded entities.

SCE's Public Sector portfolio includes the CLEAResult Public Energy Performance (PEP) Program.

Public Energy Performance (PEP) Program

Program Description (SCE_3P_2021AGPUB_002)

Implementer: CLEAResult Consulting, Inc.

The Public Energy Performance (PEP) Program integrates SEM with traditional EE delivery methods including Custom Calculated and Deemed measures. The Program supports the Public Sector for multi-year customer commitments. The Program engages participants in multiple cohort-type training workshops, individual or cohort energy analyses, and site M&V activities based on the characteristics of the facility's specific operations. Customers are eligible to participate as an individual entity or in a cohort of multiple organizations aligned with the Program cycle's start, end and reporting dates. All elements of the Program are delivered consistent with the current *California SEM Design Guide,* and individual customers have the option to participate in cohort-type activities, such as educational modules.

Strategies and Outcomes

As of December 31, 2025, the Program has enrolled 11 participants. The Program executed its first contract amendment in 2024 to better support Program delivery and expand the use of SME methodologies to enhance savings outcomes.

Public Sector customers preferred behavioral and operational improvements prior to broader deployment of capital projects. The Program engaged in whole-building SEM opportunities, customer outreach activities and site audits during 2022 and 2023 that strengthened the Program and established a baseline for results in 2024. Net energy savings in PY 2025 nearly doubled those achieved in 2023 and 2024 combined.

Continued participation from a large casino enrolled in 2023, along with the new enrollment of a large convention center, contributed significantly to 2025 savings performance. Looking ahead, PEP will continue focusing on large school districts and municipal customers to advance energy savings and operational efficiency.

Cross-Cutting Programs

"Cross-Cutting" programs are designed to support multiple customer sectors by addressing financing, market infrastructure, workforce development, and regulatory support functions. These programs enable broader participation in EE and support statewide policy objectives, including affordability, decarbonization, and grid integration.

SCE's cross-cutting portfolio programs include the following financing programs:

- On-Bill Financing (OBF) and Expanded On-Bill Financing
- New Finance Offerings
- Tariff On-Bill

SCE's other cross-cutting programs include:

- Comprehensive Energy Efficiency Resource (CEER)
- Codes and Standards (C&S)
- Contractor Building Demand Program (CBDP)
- Energy Efficiency New Program Design Pilots
- Workforce Education and Training (WE&T) Programs

On-Bill Financing (OBF) Program

Program Description **(SCE-13-SW-007A)**

The On-Bill Financing (OBF) Program assists eligible non-residential customers to finance the purchase and installation of qualified EE measures by providing no-interest, no-fee, utility ratepayer-financed, unsecured EE loans. The loans are repaid through fixed monthly installments on customers' utility bills. OBF is a Statewide program, offered concurrently by the four California IOUs and governed by the CPUC.

Strategies and Outcomes

In 2025, SCE enhanced the operational framework of the OBF Program to enable increased participation. SCE optimized its internal procedures to expedite loan processing, adopted the use of site-specific savings for the calculation of OBF loans, developed Program guides, and updated Program information to elevate customer experience. Additionally, SCE promoted Program participation through ongoing training of SCE Account Managers, Trade Professionals, and third-party program implementers. These initiatives resulted in a substantial increase in OBF volume compared to 2024, with over $300,000 in loans issued to support EE projects. After evaluating the merits of an OBF-without-incentive option which would provide financing for measures not currently addressed by existing EE programs, SCE has elected not to pursue this approach in 2026. Nevertheless, SCE will continue to assess the performance and cost effectiveness of this financing model throughout 2026 and beyond and will consider integrating it as a component of the OBF Program in the future.

In compliance with D.19-03-001[17] OP 4, SCE reports the following details:

- Default Rates: The OBF Program did not have loan defaults in 2025. The total overall OBF Program default rate remained less than 1 percent of all funded loan amounts since program inception.
- Energy Savings: The OBF Program does not claim energy savings directly. Instead, SCE will continue to report energy savings through the associated EE programs in which OBF customers participate.
- Status of Efforts to Replace Incentives with Loans: SCE did not fund OBF loan(s) in 2025 over $250,000.
- Degree of Free Ridership, if any, associated with EE projects financed through the OBF Program: currently, the degree of free ridership is calculated in the Net-to-Gross (NTG) score for SCE's EE Incentive Programs and not by the OBF program.

Additionally, SCE implements several safeguards and controls to prevent free ridership, including requiring customer declaration in the OBF application stating that the project would not have been installed in the same fashion if it were not for the use of the OBF Program, as well as requiring customer confirmation that all financed equipment is operational at the time of application.

Expanded On-Bill Financing

Program Description

The Expanded OBF is an extension of the existing OBF Program that offers the same type of no-interest, no-fee, utility ratepayer-financed, unsecured loans to promote the installation of clean energy projects beyond EE.

Strategies and Outcomes

The Expanded On-Bill Financing Annual Report is filed separately, in accordance with D.23-08-026, OP 6[18].

New Finance Offerings

Program Description **(SCE-13-SW-007C)**

The New Finance Offerings Program, also known as GoGreen Financing, is a program administered by the California Alternative Energy and Advanced Transportation Financing Authority (CAEATFA) and offered with the support of SCE and the other California IOUs to increase customer use of clean energy. The Program offers scalable and leveraged financing products, tests the effectiveness of third-party financing and ratepayer-funded credit enhancements, and tests whether payment via the utility bill increases debt service performance across market sectors for clean energy-related improvements.

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17 D.19-03-001, *Decision Granting Petition for Modification of Decision 09-09-047 Concerning On-Bill Financing*, issued March 20, 2019.

18 D.23-08-026, *Decision on Clean Energy Financing Proposals*, issued Aug. 18, 2023.

The New Finance Offerings include the following programs and pilots:

- Single Family Loan Program with Credit Enhancements, commercially known as the GoGreen Home Program
- Small Business On-Bill Repayment (OBR) Loan/Lease with Credit Enhancements Pilot Program, commercially known as the GoGreen Business Program, and
- Master-Metered Multifamily OBR Pilot Program, commercially known as the GoGreen Multifamily Program.

Strategies and Outcomes

In 2025, SCE maintained close collaboration with CAEATFA, other California IOUs, and third-party implementers to deliver financial, marketing, and implementation support for the New Finance Offerings Program. SCE continued to provide ongoing assistance for both statewide and local marketing initiatives. Furthermore, SCE partnered with CAEATFA and the IOUs to develop unified messaging for statewide marketing activities, which in addition to the local marketing campaign conducted by SCE in 2025, produced strong results. SCE also worked in partnership with CAEATFA to enhance the On-Bill Repayment option for GoGreen Business loans and intends to pursue further system improvements in 2026. In addition, SCE continues to address the high demand for GoGreen Financing loans by offering financial support for credit enhancements, facilitating more than 500 loans that collectively exceeded $17 million during 2025.

Tariff On-Bill (TOB) Financing Program Proposal

Description

Tariff On-Bill (TOB) is a customer financing mechanism that involves utility investment behind the meter, assessed to a particular site through a tariff. Unlike other models, TOB is not a loan to an individual but represents a utility investment tied to a specific location which is recoverable via a tariff.

Strategies and Outcomes

In the Clean Energy Financing Rulemaking (R.) 20-08-22, the CPUC approved SCE's TOB proposal filed under D.25-12-021[19] which evaluates the feasibility and effectiveness of TOB financing in California. The proposal is awaiting review by the California Department of Financial Protection and Innovation (DFPI), with a final decision regarding TOB anticipated in 2026.

Comprehensive Energy Efficiency Resource (CEER) Program

Program Description **(SCE-24-Non-3P-001-Com)**

The SCE Comprehensive Energy Efficiency Resource (CEER) Program addresses gaps in SCE's predominantly third-party implemented EE portfolio by enabling the installation of EE

[19] D.25-12-021, *Decision on Tariff On-Bill Pilot Proposals*, issued December 23, 2025

measures and then claiming associated savings that may not otherwise be eligible under existing program offerings.

Third-party programs are structured to deliver energy savings while introducing innovative approaches to customer outreach, education, and engagement. However, as these programs develop and mature in their project pipelines, certain EE opportunities may arise that require a more streamlined and direct interim solution—one that is not currently supported under existing third-party program designs.

To address this need, SCE reintroduced downstream incentives through Custom Calculated and Deemed offerings under a single, unified program. The primary objective of the CEER Program is to capture otherwise "stranded" customer opportunities and ensure they contribute to overall EE goals. The Program is intended to serve all customer sectors, including Residential, Commercial, Industrial, Agricultural, and Public Sector. CEER's SCE-led programs are not third-party implemented.

Strategies and Outcomes

In 2024, the CEER Program received approval from the CPUC. Following approval, SCE hosted a Program webinar to notify stakeholders that the Program was active and published in the Implementation Plan in CEDARS.

As of 2025, no projects or applications have moved into the Program. SCE will continue to monitor Program activity and conduct targeted outreach and marketing to ensure the Program effectively fills identified gaps and advances its intended objectives.

Codes and Standards (C&S)

Program Description

The Codes and Standards Program includes three Statewide advocacy subprograms administered by PG&E and three local subprograms administered by SCE. The three Statewide Advocacy subprograms are:

- State Appliance Standards Advocacy Subprogram
- State Building Codes Advocacy Subprogram, and
- National Codes & Standards Advocacy Subprogram.

These subprograms save energy and reduce greenhouse gas (GHG) emissions on behalf of customers by influencing regulatory bodies such as the California Energy Commission (CEC) and the U.S. Department of Energy (DOE) to strengthen existing EE regulations and develop new EE regulations. As a non-lead Program Administrator for Advocacy, SCE collaborated and coordinated with PG&E by reviewing Codes and Standards Enhancement (CASE) studies and comment letters as requested by PG&E.

Local subprograms Compliance Improvement, Reach Codes, and Planning and Coordination bring together stakeholders to help achieve the state's ambitious Equity, decarbonization, and flexible demand goals.

The three local C&S subprograms administered by SCE are:

- **C&S Compliance Improvement Subprogram:** Provides additional tools, resources, and training for awareness and improved compliance with Title 24, Part 6[20] California Building Code, CALGreen Standards, and Title 20 appliance efficiency standards by offering training, webinars, and resources.
- **C&S Reach Codes Subprogram:** Supports local government Reach Code activities by conducting cost-effectiveness studies and by tracking their activities in addressing climate action plans and adopting Reach Codes.
- **C&S Planning and Coordination Subprogram:** Supports coordination across internal and external stakeholders, including the CPUC, CEC, and the California Air Resources Board (CARB) and cross-cutting programs to develop planning efforts aimed at state policy goals, code harmonization, and grid integration, including the state's GHG reduction, Equity, EE, building decarbonization, flexible demand, renewable energy, energy storage, air quality, water efficiency, and clean transportation goals.

These subprograms conduct activities to increase compliance with existing C&S regulations, to ensure that the State of California realizes energy savings from new Codes and Standards, and to support local governments that include Reach Codes as a climate strategy. They also bring together statewide IOUs and external stakeholders to optimize building decarbonization planning and coordination in preparation for future codes.

As a cross-cutting EE program, SCE's C&S Program plans and coordinates with the Emerging Technology Program and other EE programs, the Demand Response Emerging Markets and Technology Program, Transportation Electrification programs, Income Qualified Programs (IQP), and SCE's Transmission and Distribution and System Planning and Engineering departments to optimize collaboration in support of California's ambitious decarbonization and energy goals, while addressing grid harmonization, load and demand flexibility, building resiliency, and preparing for future code changes.

Strategies and Outcomes

California Assembly Bill AB 130 temporarily limits state and local updates to residential building standards attempting to reduce regulatory barriers and accelerate housing production statewide. As a result, SCE's Codes and Standards Program shifted its primary focus from residential to non-residential sectors; however, its overarching objective of supporting California's carbon neutrality goal by 2045 remains unchanged. Furthermore, California strives to find ways to increase "affordability," with Governor Gavin Newsom issuing an executive order in October 2024. In the CEC's response delivered in January 2025, the IOU-managed C&S Program was cited as being "highly cost-effective to ratepayers and [having] long been key to achieving affordable bills," with an estimated $200 billion saved to date and an estimated cumulative economic value of $300 billion by 2030.[21] With "affordability," "decarbonization," and "flexible demand" as its core concepts, key initiatives of the C&S Program in 2025 include:

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20 Building Energy Efficiency Title 24 Standards.

21 January 1, 2025, California Energy Commission Response to Executive Order N-5-24, *available at* https://www.energy.ca.gov/sites/default/files/2025-02/California_Energy_Commission_Response_to_Executive_Order_N-5-24_ada.pdf

- Training, tools, and resources to support compliance with existing and upcoming Codes and Standards, and various activities further supporting the all-electric compliance path under 2025 Title 24, Part 6.
- Supporting local government Reach Codes by developing new cost-effectiveness studies, developing a web-based database to continuously track local government climate action plans and Reach Codes development, and finding alternative paths to implement clean energy, EE, electric transportation, and building performance standards at the project site level.
- Long-term planning and coordination activities, including oversight of the California Building Energy Modeling (CalBEM) consortium,[22] to optimize energy modeling work across California's utilities.
- Planning, collaboration, and coordination of market-readiness activities aimed at identifying and preparing specific industries, stakeholders, and technologies for future code cycles and advancing market adoption.

In 2025, SCE will be convening discussions across stakeholder groups to determine how the new administration's priorities will affect both California's and the nation's progress toward a cleaner and more reliable energy infrastructure. C&S's role in tracking market trends will enable SCE and other stakeholders to anticipate and take proactive steps to ensure continued progress toward California's statewide goals. Through collaboration and coordinated action, C&S looks forward to working with all key stakeholders to shape a sustainable energy future for California.

Compliance Improvement (CI) Subprogram

Program Description **(SCE-13-SW-008C)**

The Compliance Improvement Subprogram helps make customers aware of and comply with building EE and appliance standards and supports local jurisdictions in improving the effectiveness of their energy code compliance review and oversight role. Compliance improvement activities maximize verified, persistent savings from building codes and appliance standards. The CI Subprogram targets market actors throughout the compliance chain, and provides education, outreach, technical support, and resources to improve compliance with both building standards (Title 24, Part 6) and appliance energy standards (Title 20).

Strategies and Outcomes

Throughout 2025, the CI Subprogram employed a systematic approach to mobilize the market throughout the building and appliance efficiency supply chains. The three-pronged performance improvement approach addresses the essential elements of behavior change:

- Training to provide the knowledge and skills needed to comply
- Outreach to increase awareness and motivation, and

22 CalBEM California Building Energy Modeling, *available at* https://calbem.ibpsa.us**.** *See also Planning and Coordination Subprogram* in this chapter*,* below.

- Tools and resources to empower people to take the desired actions.

The work accomplished in each area specifically reflects the elements key market actors have indicated they want and need to improve compliance. This effort was completed in close collaboration with the CEC, which reviewed CI's tool development, statewide course materials, fact sheets, and other resources for accuracy before they are released to the public.

Education & Training Highlights

The local Subprogram delivered more than 160 training sessions to over 4,300 participants, in addition to the more than 220 live courses with more than 5,400 participants reached by the Statewide Training Team (in which SCE's local Subprogram collaborates with its IOU partners to develop and deliver). Several of SCE CI's local programs were delivered in collaboration with the local Regional Energy Networks (RENs) and the SCE Workforce Education and Training (WE&T) program.

Newly developed CI courses supported the provisions included in Title 24, Title 20, and CALGreen standards, including:

- A course focused on the latest electric vehicle charging requirements within CALGreen, covering both multifamily and nonresidential applications
- A new training focused on describing and clarifying the substantial new requirements and compliance pathways for Pool & Spa Heating in the 2025 Title 24 standards, and
- A workshop focused on EE and electrification strategies for commercial retrofit applications.

The CI Education and Training Team also:

- Updated the majority of existing class offerings to include changes and new requirements for the 2025 Energy Code
- Provided information to market actors through the EnergyCodeAce.com (ECA) YouTube channel, expanding its short-form video series called "Small Bites," and
- Completed and published a book of case studies, along with a companion PowerPoint presentation, highlighting all-electric building projects in the educational sector, providing detailed energy usage statistics and in-depth interviews with the design teams.

In addition to serving as the gateway to training, tools and resources, EnergyCodeAce.com also facilitates communication between industry and ECA experts through the online "Submit a Question" and the "Q&Ace" features.

Tools and Resources Highlights

- Developed a new "Recover and Rebuild" fact sheet to help those impacted by wildfire events to more easily navigate energy code triggers related to their rebuilding projects
- Expanded the fact sheet resources available on www.calgreeninfo.com to include indoor air quality, life-cycle assessment for embodied carbon, and CALGreen FAQs

- Published interactive workbooks to make compliance with CALGreen Embodied Carbon requirements easier to document
- Facilitated permit applications through more than 65,388 Virtual Compliance Assistant projects for a year-over-year growth of more than 18%
- Experienced growth in resource downloads which totaled 477,186 and a 150% increase over 2024, and
- Responded to more than 2,200 questions through the Energy Code Ace help desk.

Industry Outreach and Collaboration with Partners

The CI Subprogram also strengthened strategic partnerships with key industry organizations, including the following, to provide their members with training and resources targeted specifically to their needs:

- American Institute of Architects (AIA)
- California Building Officials (CALBO)
- California Association of Building Energy Consultants (CABEC)
- Regional Energy Networks (RENs)
- US Green Building Council (USGBC)
- International Code Council (ICC)
- Plumbing-Heating-Cooling Contractors Association (PHCC)
- Apartment Owners' Associations of Los Angeles and Orange Counties
- Associated Builders & Contractors (ABC SoCal)
- California and local Associations of Realtors
- Building Industry Association (BIA), and
- Passive House California (PHCA).

The CI Subprogram maintained a strong presence at industry events and conferences, participating as an exhibitor or participant at over 85 Southern California industry events and trade shows for ECA. Participation included session presentations by subject matter experts and providing specialists at exhibit booths to answer attendees' code-related questions.

The CI Subprogram expanded its social media presence in 2025, leveraging multiple platforms to increase awareness of available resources, engage with a broader audience, and to drive more traffic to the ECA website and available training. Content was posted two to three times per week, announcing upcoming events, and highlighting education courses and other notable resources. ECA social media followers doubled year-over-year across three platforms, with a new Instagram account being added to the active presence on both LinkedIn and Facebook. The Subprogram's social media accounts recorded over 900,000 impressions and 3200 clicks to the program website.

The CI Subprogram's email outreach remained robust, creating 193 promotional email campaigns with 683,944 delivered emails, 254,931 opens, 19,138 clicks and an open rate of roughly 37%.

Strategies and Activities

To improve Subprogram effectiveness, the following strategies are planned for the coming year:

- Hosting an in-person Energy Code Ace Conference at the Energy Education Center and Foodservice Technology Center (FTC) to bring together industry leaders and code professionals for two days of workshops, training, collaboration, and thought leadership.
- Extending the previous resource translation efforts to include updates to new 2025 energy code materials.
- Accessibility improvements to the catalog of training and resources.

Reach Codes Subprogram

Program Description **(SCE-13-SW-008D)**

The C&S Reach Codes Subprogram assists local jurisdictions in adopting energy ordinances that exceed the statewide Title 24 minimum requirements for new and existing buildings, additions or alterations. These are known in California as "Reach Codes." The Subprogram also supports the development of Building Performance Standards (BPS), which establishes ongoing performance requirements for existing buildings over time. The Subprogram aims to facilitate the Reach Code adoption process by addressing resource or expertise gaps in jurisdictions through:

- Conducting research and analyses to establish feasible, cost-effective performance levels relative to Title 24, Part 6 (Energy Code) and Title 24, Part 11 (CALGreen) requirements by climate zone
- Drafting model ordinance language and resources to encourage consistency and limit duplicative work across jurisdictions
- Facilitating inter-jurisdictional communication regarding potential impacts of state or federal changes on Reach Codes
- Assisting with the application process for approval by the California Energy Commission (CEC) and the California Building Standards Commission (CBSC), and
- Providing customized implementation support and resources to improve compliance once the requirements are effective.

In 2025, the Subprogram supported over 69 jurisdictions statewide and 29 locally with inquiries related to the Reach Code adoption process. Despite the uncertainty created by AB130, seven local jurisdictions adopted energy-related policies in 2025. The two first-in-state Air Conditioning to Heat Pump (AC-HP) Reach Codes were delivered locally as part of these adoptions. Local jurisdictions can adopt a Reach Code at any time. However, since the code is

typically updated every three years, it is advisable to adopt early in the cycle to ensure the policy remains effective for a longer period.

Many jurisdictions continue to broaden the scope of Reach Code options beyond improving building EE to include other energy and emissions reductions strategies such as electric vehicle charging, BPS, reducing embodied carbon, and water conservation. In parallel, utility engagement is expanding beyond traditional efficiency measures. Notably, support was provided to the City of West Hollywood in adopting a BPS, marking the first BPS adopted within our service territory. This is a demonstration of how utility collaboration and technical assistance can help advance local policy innovation and accelerate building decarbonization.

The Subprogram expanded its support for jurisdictions to meet the increasing scope of local energy-related policies. The team created a variety of resources to support existing 2022 code cycle ordinances, as well as updating existing and creating new resources to support ordinances that reference the new 2025 code that took effect on January 1, 2026. In addition to resources that support specific policies, the team published information summarizing the 2025 code changes, a summary of the policy options and opportunities, model policy language and detailed instructions for obtaining state agency approvals.

The Reach Codes program simplifies complex energy building codes and local ordinances by providing clear, accessible resources that support informed local decision making. In 2025, The Cost-Effectiveness (C/E) Explorer tool continued to add value by enabling jurisdictions and staff to efficiently evaluate Reach Code and Building Performance Standard policy options using consistent, jurisdiction-specific data. Hosted on the Local Energy Codes platform, the tool supports transparent, data-driven analysis of non-residential building stock and electrification-focused policy pathways, strengthening the development of locally tailored cost-effective building policies.

In 2025, the Reach Codes team began expanding policy support beyond local governments by initiating work with K–12 school districts and tribal communities to address their unique governance structures and building needs. This early engagement focused on developing technical assistance, policy frameworks, and resolution templates to support future consideration of adopting EE and electrification policies for schools and tribal facilities.

In 2026, the Reach Codes Subprogram will focus on the 2025 code that went into effect on January 1, 2026. Key activities include:

- Developing new cost-effective studies for all occupancy types
- Supporting jurisdictions in adopting ordinances for Electric Vehicles (EVs), BPS, embodied carbon, process loads, and water efficiency
- Providing direct support, including guidance, study result interpretation, and ordinance documentation assistance
- Hosting technical webinars on 2025 cost-effectiveness study results
- Maintaining and updating LocalEnergyCodes.com and CALGreenInfo.com
- Expanding the Cost-effectiveness (C/E) Explorer tool for easier policy development and impact estimation

- Collaborating with stakeholders to create model implementation resources
- Developing custom resources for specific jurisdictions
- Publishing a monthly newsletter and "Frontrunner" stories
- Attending and presenting at conferences and events, and
- Expanding social media activity and presence.

Planning and Coordination (P&C) Subprogram

Program Description (SCE-13-SW-008E)

The C&S Planning and Coordination (P&C) Subprogram helps meet statewide energy and Equity needs while supporting SCE's portfolio planning efforts aimed at meeting its share of state policy goals and facilitating building-grid integration including the state's energy-efficient building decarbonization goals. The P&C Subprogram continues to fulfill the coordination role given to the C&S program in D.12-05-015[23] by helping to integrate and coordinate key initiatives across a range of IOU and non-IOU programs and other utility business units such as Transmission & Distribution (T&D) and System Planning and Engineering (SP&E).

P&C's three focus areas are:

- **Code Harmonization**, which helps communicate and coordinate across different local, state, national, and international organizations to help align codes and standards along the entire technology value chain for consistency, promotion of best practices, and cost advantages of economies of scale
- **Decarbonization**, which addresses efforts to support energy-efficient carbon reduction, and
- **Grid Harmonization**, which helps SCE understand and prepare the impacts of decarbonization and demand flexibility technologies on the grid.

Across these three focus areas, P&C conducts two ongoing activities:

- **Strategic Planning and Coordination** monitors and assesses key decarbonization and demand flexibility technologies and markets, and
- **Program Coordination** identifies any needs or gaps to smooth technology adoption.

Below is a table showing how the elements are matrixed.

[23] D.12-05-015, *Decision Providing Guidance on 2013-2014 Energy Efficiency Portfolios and 2012 Marketing, Education, and Outreach,* issued May 18, 2012.

Matrix of P&C Program Elements

	P&C Focus Areas			Ongoing
	Decarbonization	Grid Harmonization	Code Harmonization	
Strategic Planning and Coordination	Develop and advance key initiatives within long-term focus areas Increase code preparedness in key technology markets			Monitor and assess need for new P&C subprogram focus areas
Program Coordination	Coordinate implementation of key initiatives across relevant customer programs Monitor markets and data from coordinating programs for adoption trends that may be useful for C&S advocates			Monitor technology adoption

Strategies and Outcomes

P&C's 2025 key initiatives in each focus area are described below. Additionally, P&C published the second annual SCE P&C Key Initiatives Report on the Energy Transition Coordinating Council (ETCC) website.[24] This report highlights the innovative P&C work performed in 2024 to advance SCE, California, and national goals for EE, decarbonization, and demand flexibility. This report was shared with other California IOUs, agencies, and other external and internal stakeholders to promote collaboration and progress.

Decarbonization:

2025 projects or initiatives related to Decarbonization are as follows:

- **Building Inventory GIS (BIG) Database:** P&C developed a multi-year data platform project that integrated building characteristics, meter data, equipment types, demographics, and grid capacity into a unified geospatial dataset covering SCE's service territory. This project was developed to provide a foundational, systemwide view of where electrification, efficiency, and flexible load opportunities and barriers exist and inform data-driven strategies. The database was used to support distribution planning, wildfire rebuild analysis, BPS development, program planning, and coordination with local governments by enabling consistent, data-driven analysis across planning and policy applications.
- **AHRI 1380 Study:** P&C initiated a multi-year field evaluation of variable-capacity residential heat pump HVAC systems designed to assess their real-world flexible demand performance without turning them off like a traditional Demand Response program. This

[24] 2023 SCE C&S Planning and Coordination Key Initiatives Report, *available at* https://etcc-ca.com/reports/2023-sce-cs-planning-and-coordination-key-initiatives-report.

work will validate whether advanced heat pumps can reliably reduce peak demand without compromising occupant comfort, an assumption increasingly embedded in current codes and future flexible demand programs. Findings from the study will be used to inform Title 24 and JA13 requirements, improve manufacturer control strategies, and guide future residential Demand Response program design. The first winter study was conducted in late 2025 and will continue winter and summer flexible events in 2026.

- **CEQA/Building Electrification Project Tracker:** P&C developed an automated system that monitors CEQA filings and planning documents to identify future electrification-driven load growth before it appears in interconnection queues. This early visibility is critical for proactive grid planning and avoiding service delays caused by infrastructure upgrades. P&C enhanced its features in 2025 and continually updated CEQA filings. The tracker is currently used by the SCE Distribution System Planning and Engineering to anticipate load growth to plan and prioritize upgrades in the design process.
- **Advancing Zero-Emission Foodservice Technologies:** P&C supported SCE's Foodservice Technology Center activities to advance the adoption of electric commercial cooking technologies through demonstrations, technical evaluations, and engagement with various stakeholders in 2025. Commercial kitchens remain one of the most difficult building end-uses to electrify and are a significant source of local GHG emissions. The testing results are shared to inform South Coast Air Quality Management District (SCAQMD) rulemaking, ENERGY STAR™ specifications, manufacturer engagement, and market education efforts aimed at accelerating zero-emission foodservice adoption.
- **All-Electric K12 Case Studies Book:** This book was issued in 2025, documenting real-world examples of fully electric school buildings across California's school districts. These campuses often receive misinformation concerning perceived risk barriers when considering electrification. The book is intended to be used by school districts, designers, and policymakers as a practical reference for electrification strategies, funding pathways, and design approaches for new construction and retrofits.
- **BUGMAP (Bottoms-Up Grid Model Advanced Profiles):** P&C developed a circuit-level grid modeling tool that simulates electrification, distributed energy resource (DER) adoption, and flexible demand affect distribution systems. It is critical for anticipating where electrification may stress the grid and where demand flexibility can mitigate infrastructure upgrades. In 2025, P&C enhanced and expanded BUGMAP into a more robust distribution-level electrification impact modeling tool while expanding the commercial building sector modeling.

Grid Harmonization:

2025 projects or initiatives related to Decarbonization are as follows:

- **Impacts of Flexible Demand Events by Residential HPWHs:** P&C completed a multi-year field evaluation of residential HPWH's flexible demand potential when participants' HPWHs receive flexible signals in accordance with Joint Appendix (JA) 13. The study collected minute-by-minute operational data during Light Shed, Deep Shed, and control days to quantify load reductions, assess customer hot water service, and identify control limitations. Results demonstrated modest but reliable load reductions for some models,

identified improper resistance heater operation in others, and documented post-event "snapback" behavior, providing empirical evidence to inform future JA13 refinements and HPWH control strategies. The study was presented at an ETCC webinar in early 2026.

- **Field Evaluation of EcoSizer for Central HPWHs**: P&C completed a multi-year field evaluation of the EcoSizer tool by comparing its sizing predictions against real-world performance data from five small multifamily buildings with central HPWH systems. The evaluation found that actual peak hot water demand was significantly higher compared to the default EcoSizer profiles, leading EcoSizer to under-predict required storage in these applications. These findings were used in 2025 to identify specific software improvements, including new multifamily load profiles and stratification adjustments, and to reinforce best practices such as the inclusion of swing tanks in central HPWH designs.
- **Heat Pump Water Heater Load-Shifting Optimization Study:** P&C initiated a collaborative study with Lawrence Berkeley National Laboratory (LBNL) focused on optimizing HPWH load-shifting controls using detailed simulations. Building on insights from 2025 field evaluations, the study demonstrated a "fleet ramping" strategy that staggers HPWH recovery after demand response events to avoid synchronized load spikes. By the end of 2025, simulation results showed that coordinated control could significantly reduce rebound demand, providing a technical foundation for improved HPWH control algorithms and future utility demand flexibility programs. This project will continue in 2026.
- **Estimating Substation and Distribution Level Flexible Demand to Inform AMI 2.0:** In 2025, P&C completed technical analyses that established methods for estimating flexible demand potential at the substation and distribution circuit levels. These methods ranked end uses by flexible demand capability and quantified the value of flexible demand in deferring T&D capital investments, reducing operational costs and supporting resource adequacy. The resulting reports directly informed SCE's Advanced Metering Infrastructure (AMI) 2.0 business case by providing technically sound, location-specific estimates of flexible demand benefits tied to advanced metering functionality. AMI 2.0 could be a reliable two-way path for communication with customers' distributed energy resources that the CEC is looking for fully implementing its Flexible Demand Appliance Standards in progress.
- **California Residential Electric Resistance Backup Heating Impacts:** P&C completed the first phase of a statewide modeling study evaluating the energy, emissions, and peak demand impacts of residential heat pumps that rely on electric resistance backup heating. Using calibrated ResStock models across climate zones, building vintages, and control strategies, the study quantified how strip heat operation affects winter peaks and grid reliability. The 2025 findings established California-specific evidence to inform Title 24 baselines, program cost-effectiveness assumptions, and policy discussions around heat pump deployment in colder microclimates.

- **Leveraging EV Charging Data to Guide Grid Planning and Demand Management:** In 2025, P&C analyzed detailed charging data from approximately 1,500 electric vehicles, representing nearly 440,000 charging sessions, to characterize real world EV charging behavior. The analysis quantified charging frequency, energy per charging session, and temporal charging patterns, confirming that most of the charging occurs at home and that most customers respond to time fuse rates by avoiding peak periods. The study identified the residential sector with 240V EV charging as the top priority for future flexible demand program creation. These insights were shared across SCE planning, demand flexibility, and grid operations teams in 2025 to improve EV load forecasting, rate design evaluation, and flexible demand assessments.
- **Early Electrification Customer Insights (EECI):** P&C advanced Phase 1 of the Early Electrification Customer Insights (EECI) initiative by establishing EECI as a centralized data platform that aggregates early indicators of building and transportation electrification across SCE's service territory. Key accomplishments included migrating California Environmental Quality Act (CEQA) data into SCE's Snowflake environment and completing an interim dashboard used by System Planning and Engineering. These efforts reduced uncertainty around "hidden" or early-stage electrification signals and positioned EECI as a planning tool to support long-term grid forecasting and cross-team coordination.

Code Harmonization:

2025 projects or initiatives related to Code Harmonization are as follows:

- **Electric Power Research Institute (EPRI):** P&C continued its leadership role as co-chair of EPRI's Advanced Buildings and Communities program, supporting applied research relevant to California's decarbonization priorities. Key 2025 activities included initiating supplemental projects on BPS energy conservation measure packages and evaluating emerging technologies such as air-to-water heat pumps with low-GWP refrigerants. Through EPRI collaboration, SCE leveraged national research infrastructure to address California-specific policy, code, and grid integration challenges.
- **Roadmaps for Advancing National Codes:** P&C launched Phase 2 of the national code's roadmap effort, assessing how American Society of Heating, Refrigeration, & Air Conditioning Engineers (ASHRAE) and International Code Council (ICC) standards could better support California's long-term decarbonization goals amid declining federal technical support. The work included expert interviews, identification of research gaps, and prioritization of opportunities where SCE engagement could accelerate progress on building envelope performance, refrigerants, HVAC systems, and alignment with emerging Building Performance Standards. The roadmap clarified where SCE could most effectively influence national codes that Title 24 must ultimately meet or exceed. This project is scheduled to be completed in early 2026.
- **CBECC Support**: P&C provided targeted technical support to the CEC to improve California's Building Energy Code Compliance (CBECC) software. Accomplishments included developing standardized utility rate definitions, advancing technical specifications for software enhancements, and supporting the successful migration of

CBECC source code to GitHub. These efforts strengthened transparency, maintainability, and consistency in Title 24 compliance modeling, directly supporting statewide code implementation.

- **California Unified Prototype Development:** P&C advanced the California Unified Prototype Development (CUPD) project to create a single, transparent set of building energy-modeling prototypes intended for consistent use by the CEC, CPUC, utilities, and other stakeholders. This work addressed long-standing inefficiencies caused by fragmented and inconsistent prototype assumptions across agencies and analysis efforts. This project, including feedback expected from CPUC and CEC, will continue in 2026.
- **CalBEM Residential Database:** P&C completed the development of the California Building Energy Modeling Residential Database, which is a standardized collection of residential energy modeling results covering California climate zones and building vintages. This project resolved the issue of inconsistent modeling assumptions which have historically undermined confidence in analytical results used for programs and codes. The database is used for cost-effectiveness analysis, measure impact studies, and Title 24 development.
- **Building Performance Standards (BPS) Support:** P&C provides technical analysis and advisory support to local and state agencies developing BPS for existing buildings. BPS policies are emerging as a major driver of deep decarbonization, yet require careful alignment with grid capacity, equity considerations, and cost-effective retrofit pathways. P&C's work in 2025 supported the ordinance design, utility implementation roles, and Senate Bill (SB) 48[25] strategy development by grounding BPS policies in data, modeling, and real-world feasibility. This project will continue in coordination with local and state agencies in 2026.

Strategic Planning and Coordination:

2025 projects or initiatives related to Strategic Planning and Coordination are as follows:

- **Tracking Market Transformation Initiatives**: P&C tracked and provided technical input on California Market Transformation Administrator (CalMTA) market transformation initiatives, including the CPUC-approved Room Heat Pump initiative and conditional review of residential induction cooking proposals. P&C supported PG&E in its role representing IOUs on the Market Transformation Advisory Board (MTAB) and provided detailed feedback on emerging initiatives. This coordination ensures alignment between market transformation efforts, utility programs, and future code readiness.
- **Technical Support to the CEC**: P&C delivered technical support across multiple CEC initiatives, including development of updated climatic design data, evaluation of Passive House standards relative to Title 24, and support for the SB 48 Building Energy Performance Strategy Report. These efforts produced analytical inputs, scopes of work,

[25] SB 48, also known as the *Building Energy Savings Act*, was passed into law Oct. 7, 2023. It establishes Title 24, Part 11 code requirements, collectively identified as CalGREEN.

and modeling results that directly informed CEC policy recommendations, code development, and long-term decarbonization planning.

- **Supporting CARB and SCAQMD**: P&C provided technical assistance to CARB and SCAQMD as they developed zero-emission appliance regulations. Activities included evaluating high-temperature heat pump water heating technologies, identifying potential demonstration sites, and engaging manufacturers to assess cost and performance barriers. This work ensured that air quality regulations were informed by real-world technology readiness and grid considerations.
- **California Home Energy Rating and Labeling Program Technical Assessment:** The CEC reached out to SCE's P&C for assistance to assess the feasibility of a remote data driven Home Energy Rating and Labeling process to provide homeowners and buyers with a no-cost option to rate a home's energy performance. SCE completed this study in 2025 and delivered it to the CEC, whose goal was to provide transparent energy information that can drive market demand for efficiency and electrification while supporting equitable policy implementation. The study is being used by the CEC to inform updates to California's voluntary home energy rating and labeling framework.
- **CalBEM Program:** Planning and Coordination leads the statewide initiative called CalBEM that convenes stakeholders, sets shared priorities, and translates building energy modeling challenges into coordinated projects that improve modeling consistency, accuracy, and alignment with California's decarbonization and code objectives. In 2025, CalBEM continued launching targeted projects to identify modeling gaps, improve complex HVAC representation, and develop open-source visualization methods. These activities strengthened modeling consistency and ensured BEM outputs remained relevant to emerging policy, program, and grid planning needs.
- **Jurisdictional Dashboard:** P&C piloted a Jurisdictional Dashboard, providing local governments with residential energy performance and electrification insights. Cities used the tool to explore "what if" policy scenarios and integrate findings into Climate Action Plans, demonstrating its value as a decision-support resource for municipal electrification strategies.

Program Coordination:

2025 projects or initiatives related to Program Coordination are as follows:

- **ET Summit 2025**: P&C cohosted ET Summit 2025 with other California IOUs, a two-day virtual event convening more than 400 stakeholders from utilities, CEC, CPUC, CARB, research institutions, and industry. The summit disseminated 2025 research findings on flexible demand, BPS, and grid impacts, while facilitating cross-sector dialogue that connected research insights to program and policy action.
- **Testing Latest HPWHs at SCE Lab:** SCE's lab installed new split system 120V HPWH models to evaluate their performance, reliability, and compliance with JA13 flexible demand requirements. Testing included first-hour rating verification, connectivity assessments, and flexible demand capability reviews, and will be continued in 2026.

These results informed manufacturer engagement, program eligibility discussions, and market readiness assessments.

- **Energy Savings Assistance (ESA) Data Analysis:** P&C conducted data reconciliation analyses comparing multiple low-income and multifamily housing datasets, including LEAD, Snowflake, and other sources. While discrepancies were identified, the work improved understanding of data limitations and supported ESA application development by informing assumptions and adjustment factors.
- **K-12 "Grid-Ed" Project: in 2025**, P&C conducted interviews, workshops, and conference sessions with school districts to identify electrification barriers and resource needs. The project delivered policy templates, planning tools, and funding checklists that were made publicly available and integrated into existing SCE platforms to support K-12 electrification readiness.
- **Architecture at Zero Design Competition:** P&C supported the Architecture at Zero design competition focused on zero-carbon educational buildings. The competition showcased practical, all-electric design concepts and disseminated lessons learned to designers, utilities, and policymakers, reinforcing market education and code readiness objectives.
- **Advanced Water Heating Initiative (AWHI):** AWHI advanced heat pump water heating through expanded field studies, new demonstrations of commercial and high-temperature applications, and publication of market reports and case studies. P&C's leadership directed the AWHI to align research priorities with policy and program needs, while national outreach and manufacturer engagement accelerated progress toward scalable, grid responsive water heating solutions while addressing first cost and performance barriers.

  Key 2025 activities were:

  - A multi-year field evaluation of small commercial HPWH performance in a variety of commercial building types, including quick service restaurants. This project is expected to be completed in late 2026.
  - A field demonstration of central HPWH systems and publication of a central HPWH market adoption report.

  This initiative will continue in 2026.
- **MIDAS Database Interface:** This project developed an interface that would provide external stakeholders with user-friendly access to hourly utility rate and grid emissions data from CEC's Market Information Data Analytics System (MIDAS) database. The tool will provide support for future demand flexibility analysis and policy design.

Future Plans

- Support the rollout and early implementation of the 2025 Title 24 Building Energy Efficiency Standards, including training, compliance tools, and monitoring early implementation challenges.

- Transition several multi-year P&C tools, BIG Database, EECI, CEQA Project Tracker, and BUGMAP from development and pilot phases into more fully integrated planning resources for SCE's grid planning and modernization efforts.
- Strengthen cross-agency coordination in response to changing state and federal policy conditions, including continued collaboration with the CEC on BPS implementation.
- Expand engagement with national and international code bodies (e.g., ASHRAE) to help align national and international standards with California's decarbonization and grid needs.
- Co-host ET Summit 2026 to bring together California's IOUs, the CEC, CPUC, CARB, and other stakeholders to transform the market, transitioning into carbon neutrality by 2045.

Energy Efficiency Contractor Demand Building Program

Program Description **(SCE_MarketSupport_002)**

The Contractor Demand Building Program (CDBP) addresses knowledge gaps related to HPWHs within California's skilled trade workforce and supports increased HPWH installations across SCE's service territory. CDBP participants include both contractors and their installers. The Program is designed to increase participation in electric installations and improve accessibility for Disadvantaged Workers (DW) by delivering on-location, instructor-led training that strengthens technical skills and expands equitable workforce opportunities.

CDBP supports California's statewide decarbonization goals by pairing training with immediate real-world applications. Upon completion of the instructor-led training (ILT), participants qualify to receive a voucher to claim their HPWH equipment and are expected to install the unit, reinforcing skills gained during training while contributing to carbon emissions reductions across SCE's service territory. By providing comprehensive HPWH training, CDBP increases contractor confidence and capacity to promote, install, and service electrification technologies, supporting broader adoption of clean building solutions.

In 2025, participant feedback identified an opportunity to reduce participation barriers, streamline the training, and improve customer experience. This change resulted in the integration of Building Electrification (BE) training content directly into the ILT curriculum. The result was a single-day training course that utilizes the Integrated Energy Education and Training (IEET) curriculum to provide foundational BE content covering electrification concepts, benefits, and the role contractors play in supporting statewide climate objectives, as well as the technical training required by the Program.

Strategies and Outcomes

CDBP delivered over 40 live ILT sessions across SCE's service territory and trained over 470 contractors. Program refinements drew on early implementation experience and participant feedback and were designed to preserve instructional quality while improving accessibility. Integrating the foundational BE content directly into the ILT, rather than requiring it as a separate prerequisite, reduced a key structural barrier for participants facing time, access, or

scheduling constraints, strengthened continuity of instruction without compromising instructional depth and leveraged existing IEET resources. Throughout the year, the Program demonstrated a willingness to test new delivery approaches and apply real-time learnings to optimize the participants' experience and improve training outcomes.

Disadvantaged Worker participation remained strong, reaching approximately 70 percent, exceeding the Program's target. Training emphasized practical application of HPWH installation and servicing, equipping contractors with field-ready skills for immediate on-the-job use and increasing their confidence in promoting and installing electrification technologies. Through these efforts, CDBP contributed to broader market adoption of clean building solutions and supported California's EE and decarbonization objectives.

Outreach and marketing efforts were expanded in 2025 through continued collaboration with supplier partners, workforce development organizations, and business trade organizations (BTOs), as well as the introduction of paid, targeted social media campaigns and landing page optimizations that improved program visibility and streamlined enrollment. Looking ahead, CDBP will focus on sustaining strong Disadvantaged Worker participation, expanding training access across SCE's service territory, and refining outreach strategies to support continued progress toward the Program's long-term workforce development goals.

Energy Efficiency New Program Design Pilots

Program Description **(SCE_MarketSupport_001)**

The EE New Program Design Pilots Program seeks to test the effectiveness of novel program designs targeted at delivering near-term TSB utilizing existing available EE measures (excluding emerging technology). This Program is designed to encourage the creation of innovative ideas and technologies by utilizing the skill, experience, and creativity of the EE community. Upon selection, each pilot program will run for one year. If these programs prove to be successful based on individual program proposal success metrics, they could be transitioned into larger solicited Third-Party Resource Acquisition or Equity programs.

Strategies and Outcomes

In December 2025, SCE launched two Requests for Abstracts (RFAs) seeking pilot ideas for potential launch in 2026.

In 2026, SCE launched CLEAResult's Home Performance Plus pilot and is currently in negotiations to potentially launch another pilot in 2026.

Workforce Education and Training (WE&T) Program

Program Description **(SCE-13-SW-010A)**

The Statewide Workforce Education and Training (WE&T) Program is a comprehensive education, training, and workforce development program funded by and coordinated with California's IOUs. The Program includes one local subprogram administered by SCE WE&T Integrated Energy Education and Training (IEET) and two statewide subprograms administered by PG&E:

- Statewide WE&T Career Workforce Readiness (CWR), and
- Statewide WE&T Connections[26]

IEET is a locally managed subprogram organized around market sectors and cross-cutting segments to facilitate workforce education and training appropriate to achieve energy savings, Demand-Side Management (DSM), and related energy initiatives identified by the IOUs.

IEET consists of two main components:

- Collaborations, and
- Technical Upskill Training

Collaborations provide SCE opportunities to support educational providers and other community-based organizations in addressing the needs of individuals looking to grow their knowledge in areas related to EE or emerging technology topics. Collaborations provide support in the areas of curriculum development, student awareness, technical training, increasing training capacity, and supporting tools and equipment loans.

Technical Upskill Training is the larger component of this Subprogram and is delivered through the Energy Education Centers (EECs) and the Foodservice Technology Center (FTC) located in SCE's service territory. The Centers provide training to market actors and the workforce, including Disadvantaged Worker (DW) populations. The Centers have many years of experience in providing WE&T, including training courses, seminars, workshops, technology demonstrations, equipment efficiency testing, Tool Lending Library (TLL), interactive training exhibits, and other information advancing SCE's EE portfolio objectives. The EECs partner with IOU-administered third parties, local governments, and Community-based Organizations (CBOs) to provide expanded reach for workforce education in Clean Energy Technology, Codes and Standards, HVAC, Energy Savings Assistance (ESA) Programs, as well as other EE topics.

Energy Education Centers

In 2025, the EECs continued to deliver high-quality EE training in a hybrid environment, maximizing resources to provide a seamless learning experience. By offering instructor-led, in-person, online, and on-demand courses, the EEC equipped the workforce with the knowledge and skills needed for California's clean energy future. Leveraging on-demand platforms increased accessibility, enabling continuous learning, and demonstrated SCEs commitment to meeting the needs of the evolving energy industry.

[26] Program budgets and forecast comparisons are *available at* https://cedars.cpuc.ca.gov.

2025 Energy Education Centers Performance		
Goal	**Target**	**Actual**
Collaborations	5	7
Number of Participants	17,401	33,938*
Number of Participants – Residential	6,560	27,809
Number of Participants – Commercial	10,841	4,129
Percentage of Target Audience Reached	2.0%	2.2%
Percentage of Disadvantaged Worker Participants (CalEnviroScreen 4.0)	43%	77%
** Totals are inclusive of the Foodservice Technology Center customer activities, HVAC Program totals.*		

Fuel Substitution and Building Electrification Training

The Fuel Substitution curriculum is organized around a progressive learning model. Participants can begin with Building Electrification Fundamentals courses that establish core concepts and a common baseline of knowledge. From there, customers can move into either a Residential or Non-residential pathway, depending on their area of focus or interest. Each pathway addresses distinct technical considerations associated with electrifying different building types and supports continued learning as technologies and practices evolve.

Heating, Ventilation and Air Conditioning (HVAC) Training

In 2025, IEET continued their comprehensive HVAC education and training programs. These courses offered by local staff, industry partners, and identified vendors provide specialized education and training opportunities across supporting technicians of all skill levels. Through strategic collaborations with industry stakeholders, the EEC worked to identify skill gaps and opportunities for workforce education that would ultimately support the next generation of skilled HVAC technicians servicing the clean energy economy.

The National Comfort Institute (NCI), a third-party provider, remained focused on delivering intermediate and advanced-level HVAC & Building Electrification performance-based, hands-on certification training. This training is designed to provide HVAC professionals with the skills and knowledge necessary to ensure high-quality installations, maintenance, and services that promote EE and sustainability.

2025 NCI Training Program Performance Metrics	
Activities	**Results**
Total Training Hours	972
Participants Certified	303

Continuing Education Units (CEUs) Awarded	1,544
Percentage of Intermediate or Advanced Level Classes	94%
Percentage of Disadvantaged Workers Trained	52%

The Institute of Heating and Air Conditioning Industries (IHACI), a third-party provider, supported the delivery of HVAC Residential and Commercial Quality Installation (QI), Quality Maintenance (QM), and Quality Service (QS) training.

2025 IHACI Training Program Performance Metrics	
Activities	**Results**
Evening Classes Delivered	76
NATE[27] Certification Exams Held	2
Contractors and Technicians Trained	2,774

HVACRedu.net, an online and on-demand training organization, continued its delivery of the "It's About Q" program throughout SCE's service territory. This program remains focused on standards-based skills training for quality installation and maintenance of commercial and residential HVAC & Refrigeration systems along with robust Building Automation and HPWH training programs.

2025 HVACRedu.net Performance Metrics	
Activities	**Results**
NATE Core, Ready to Work, and Specialty Exams Delivered	373
NATE Exams Passing Rate	95.2%
Online Class Modules Completed	22,344

Additionally, several Low Global Warming Potential (GWP) Refrigerant classes were offered in 2025. These courses help HVAC contractors lower GHG emissions and meet new regulatory requirements by equipping participants with the knowledge to navigate regulatory changes, consider environmental impacts of equipment, and adopt practices that reduce the carbon footprint of their operations.

Integrated Demand-Side Management (IDSM) Activities

IEET remains committed to promoting Integrated Demand-Side Management (IDSM) principles through their educational seminars and workshops. These training courses seamlessly integrate EE and DR concepts, providing participants with a holistic understanding of energy management practices and potential impacts of closely managing usage.

[27] North American Technician Excellence, *available at* https://natex.org/.

The curriculum covered topics such as Heating, Ventilation, Air Conditioning and Refrigeration (HVAC&R) Systems, Variable Refrigerant Flow (VRF), Programmable Logic Controllers (PLCs), Heat Pump Retrofits, Title 24 Lighting Code Updates, All-Electric Residential Buildings, Advanced Framing Techniques, Building Envelopes, Demand Response Programs, and Grid-Interactive Controls. This holistic approach empowered attendees with the knowledge needed to leverage the combined benefits of EE and DR strategies while simultaneously implementing IDSM practices.

External Collaborations

In 2025, the Centers collaborated with multiple CBOs, educational institutions, industry stakeholders, and training organizations to expand the reach of IEET offerings. These collaborations aim to broaden energy education and workforce development programs, benefiting diverse communities and professionals.

- The Architecture at Zero 2024-25 design competition, sponsored by SCE and other Statewide IOU WE&T programs, engaged professionals and students in designing a new building on a middle school campus in East Los Angeles, California, resulting in four collaborations with educational institutions supporting enhanced EE curriculum.
- The Energize Colleges Program, in collaboration with Strategic Energy Innovations (SEI), established two agreements with community colleges and universities, supporting Climate Corps Fellowships, academic projects, and group training events.
- SCE's WE&T Foodservice Technology Center collaborated with the California Restaurant Association Foundation (CRF) on the Culinary High School Education/Training project, refining the Culinary Capstone Curriculum and providing hands-on training with commercial kitchen equipment.

Internal Collaborations

Collaboration between the WE&T Program and SCE's Codes and Standards Program is crucial in ensuring that the workforce is well equipped to effectively achieve SCE's clean energy and decarbonization goals. By prioritizing the education of market actors on emerging Codes and Standards, this partnership enables professionals to stay informed and adapt to the evolving landscape of EE regulations.

In 2025, the collaboration resulted in the delivery of over 65 online and in-person seminars to over 1,600 customers throughout SCE's service territory. SCE delivered several online and in-person seminars to customers throughout its service territory. These seminars covered a wide range of topics including Title 24 energy codes, CALGreen codes, energy modeling software, and ventilation in energy-efficient homes. The targeted industry sectors for these offerings included plans of examiners, building inspectors, energy code compliance building modelers, architects, engineers, building envelopes and lighting designers, HVAC technicians, and other trade professionals.

Mobile Education Unit (MEU)

In 2025, the Mobile Education Unit (MEU), a component of the IEET Program, focuses on outreach to underserved and HTR rural communities, aiming to educate market actors about

the benefits of a cleaner California. It served as a valuable resource, promoting the EECs' classes and programs, ensuring widespread awareness and accessibility to these resources. By participating in over 180 diverse events, including career fairs, college fairs, home shows, energy conferences, and county fairs, the MEU facilitated over 20,000 meaningful customer interactions. These engagements helped grow the EEC mailing list, expand the reach of TLL, and raise awareness of other programs. The MEU work included the creation of a workforce presentation for high schools, community colleges, trade schools, and other adult schools. This intentional approach targets audiences that benefit from EEC workshops and programs.

Lending Programs

The EEC lending programs, including the TLL and Induction Lending Program (ILP), played a vital role in promoting EE and sustainable practices. These programs aim to enable accessibility to essential resources that empower individuals, professionals, and organizations to make informed decisions regarding energy consumption and building performance.

The Induction Lending Program (ILP) processed nearly 40 loans, encompassing over 80 pieces of equipment provided to various groups, including residential customers, commercial customers, community-based organizations (CBOs) and SCE employees.

The Program continued to expand its outreach through community partnerships, including the California Restaurant Association Foundation (CRF). This organization supports a yearly "Culinary Clash," where over 10 foodservice establishments compete to raise money for the charity's scholarship program. In 2025, all contestants utilized a borrowed induction unit to compete in the competition, leading to new users and greater awareness of this technology.

Foodservice Technology Center Activities

The Foodservice Technology Center (FTC) plays a pivotal role in promoting electrification and empowering professionals in the commercial food service industry. Through consultations, training programs, collaborations, and demonstrations, the FTC advanced sustainable practices and fostered culinary innovation.

In 2025, the FTC partnered with the Commercial Food Equipment Service Association (CFESA) to provide Certified Technical training to service technicians. The audience included service agents, equipment manufacturers, foodservice operators, and vendors who work on foodservice equipment. This six-day course, held three times at the FTC, provided certification to participating technicians.

The FTC also hosted the SoCal School Nutrition Association (SCSNA) board installation and culinary competition in May 2025, with approximately 50 foodservice nutrition directors and staff in attendance. During this event, the FTC provided a tour of electric cooking equipment, demonstrating safety, ease of cleaning, cooking performance, and overall operational benefits with an emphasis on induction cooking.

Throughout 2025, the FTC conducted various events, engaging with SCE customers and industry professionals to support the adoption of energy-efficient and electric cooking technologies.

2025 Foodservice Technology Center Customer Activities		
Activity Types	**Number of Events**	**Attendees**
Equipment Demonstrations	63	564
Webinars/Seminars/Trainings	50	917*
Consultations	11	39
Tours	29	670
Field Assessments	4	18
Trade Shows/Events	6	221
Total	**163**	**2,429**
* Totals are a subset of those given in 2025 Energy Education Centers Performance, above.		

Go on to the next page.

Other Programs and Activities

This section describes other initiatives, programs, and activities.

California Analysis Tool for Locational Energy Assessment (CATALENA) Project

Since D.18-05-041[28] became effective, the Commission directed the IOU Program Administrators (PAs) to:

- Select a lead to oversee the statewide deployment of the California Analysis Tool for Locational Energy Assessment (CATALENA)
- "Reassign responsibility"[29] to the CEC for the development and ongoing management
- Establish accounting mechanisms for the CEC in the tracking and managing of IOUs' shared authorized budget, and
- Transfer program level data to the CEC.

Currently, efforts with PAs are still on hold pending Commission guidance.

Regional Energy Network (REN) Partnerships

SCE is the fiscal agent for the following four Regional Energy Networks (RENs) in its service territory:

- Southern California Regional Energy Network (SoCalREN)
- Tri-County Regional Energy Network (3C-REN)
- Inland Regional Energy Network (I-REN), and
- Central California Rural Regional Energy Network (CCRREN).

As a fiscal agent, SCE's role is to collect and disburse the RENs' CPUC-approved annual budget. REN partnerships and collaboration efforts with the IOUs remained ongoing.

Closed Programs

Programs that are closed to new enrollments include programs that have transitioned to a third-party implementer or have closed. Transitions are as follows:

- From Comprehensive Manufactured Homes Program (CHMP) to Residential Energy Solutions Program as described below
- From Home Energy Advisor Program to Customer Home Engagement for Energy Reduction (CHEER) Program, and
- Residential Direct Install (Res DI), also transitioned to Residential Energy Solutions.

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28 D.18-05-041, *Decision Addressing Energy Efficiency Business Plans*, issued June 5, 2018.
29 D.23-02-002, p. 59.

Programs that have closed are as follows:

Commercial Behavioral Program (SCE_3P_2020RCI_003)

ICF's Commercial Behavioral program was designed to promote the adoption of behavioral changes in small and mid-size commercial customers through personalized Business Energy Reports (BERs).

In 2025, SCE and ICF ultimately decided to close the Program. The closure was included in the Mid-Cycle Advice Letter filed on November 4, 2025, approved by the CPUC on March 25, 2026, with an effective date of March 19, 2026. SCE notified the appropriate service lists about the Program closure and hosted its public webinar on August 11, 2025. Thereafter, SCE returned collected performance assurance funds for the Program back to the EE portfolio budget as directed by the Commission in D.23-02-002.

Comprehensive Manufactured Homes Program (SCE-13-TP-001)

The Comprehensive Manufactured Homes Program (CMHP) also demonstrated strong performance and consistent results over its lifecycle. In recognition of this success, SCE elected to retire this legacy Program and transition service delivery to the new third-party model under contract with Synergy Companies.

During 2025, the Program continued installation of EE measures such as Smart Thermostat, Brushless Fan Motors, Duct Seal, Lifecycle Refrigerant Management, Smart Fan Controllers, and Crossover Duct Replacement.

Together, these measures maximized energy savings for the Program, but they also were lead-in measures that provided opportunities for customers to participate in other EE portfolio programs. Outreach and marketing initiatives kept mobile home park customers engaged and provided Program participation opportunities for new customers. This outreach activity was delivered in person and virtually. Presentations targeted mobile home park managers and their staff.

Community engagement and marketing outreach efforts continued to drive steady Program enrollments, resulting in more than 1,600 customers being served during the year. Midway through Q2 2026, the Program began to ramp down activity to prepare for the transition to the Residential Energy Solutions program, which launched June 1, 2025. To support the transition, the Program served all customers who committed to Program enrollment prior to the June launch date, with the last installations taking place in May 2025. Following Program launch, all new enrollments were submitted under the Residential Energy Solutions Program.

Home Energy Advisor Program (SCE-13-SW-001A)

In 2025, the Home Energy Advisor Program distributed HERs to more than 1.25 million residential customers. This included continuing to offer HERs to customers with Electric Vehicles (EVs), solar and, separately, for those who speak Spanish. HERs helped customers reduce more than 31 GWh of energy.

The HEA program concluded May 31, 2025, with the launch of Oracle's third-party implemented Customer Home Engagement for Energy Reduction (CHEER) Program on June 1, 2025.

Plug Load Appliance Program (SCE - Lead Program Administration)

On November 6, 2024, the CPUC's Energy Division approved SDG&E Advice Letter (AL) 4494-E/3332-G, transitioning the lead Program Administrator (PA) role for the Statewide Public Lighting Appliance (PLA) EE Program from SDG&E to SCE, effective in 2026. Before SCE began its lead role, on January 23, 2026, the service list and stakeholders were notified about the ending of its lead role for the Statewide PLA EE Program. Subsequently, on February 18, 2026, SCE conducted its public webinar to discuss the closure of the PLA Program Administrator role under SCE.

Residential Direct Install Program (SCE-13-SW-001G)

The Residential Direct Install Program demonstrated strong performance and consistent results over its lifecycle. In recognition of this success, SCE elected to retire the legacy program and transition service delivery to a new third-party model under contract with Synergy Companies. SCE notified the appropriate service lists about its program opening and hosted its public webinar May 5, 2025.

During 2025, the legacy Program maintained a strong focus on the Multifamily segment while sustaining high delivery in the Single-Family segment, averaging over 1,400 projects per month during the first half of the year.

The Program expanded its Integrated Demand Side Management efforts through a coordinated partnership with the DR Smart Energy Program (SEP), using Smart Thermostat installations to identify and enroll eligible Single-Family customers. Prescreening and point-of-installation education streamlined enrollment and improved customer participation.

These efforts delivered both EE and DR benefits, with more than 1,500 Smart Thermostats installed and nearly 800 customers enrolled in SEP, achieving a 53% EE to DR conversion rate. In preparation for the June 1, 2025 launch of the Residential Energy Solutions (RES) Program, activity began ramping down in mid-Q2, with all committed installations completed by May and new enrollments transitioned to the successor program.

Programs Closed to New Commitments

Programs closed to new commitments that may have one or more final projects or program closure activities pending include the following:

Commercial

- Commercial Calculated Energy Efficiency Program
- Savings By Design Program

Public

- Public Sector Performance-Based Retrofit (PSPBR) Program

Tables and Appendices

SCE's Annual Report portfolio results tables, illustrated in **Appendix A**, are available on the CPUC's **California Energy Data and Reporting System (CEDARS)** website[30]. Program Administrators (PAs) report their portfolio results using an Excel spreadsheet developed by the CPUC. This Annual Report tool incorporates standardized portfolio concepts organized within the spreadsheet. PAs submit these spreadsheets along with their Annual Report narratives. The spreadsheet includes CPUC-approved embedded calculations for energy savings, system benefits, performance metrics, commitments, expenditures, and environmental and energy impacts.

Appendix B lists active Energy Efficiency (EE) programs, sorted by program start year. The table includes the program identification number, program name, and start year.

Appendix C provides an alphabetical list of common abbreviations, terms, and acronyms used throughout the Annual Report.

30 California Energy Data and Reporting System *available at* https://cedars.cpuc.ca.gov/documents/standalone/list/

Appendix A. Annual Report Tables

Energy Savings & 4- Year Goal Attainment

2024-2027 Savings & Goal Attainment

	Total System Benefit	GWh	MW
	Portfolio - Non C&S	Codes & Standards	
2024 Total Installed Portfolio Savings[1]	$157,794,986	1,225.1	249.8
Adopted 2024 Target (D.23-08-005)	$112,534,778	1,071.2	186.5
Percentage of goal attainment	140%	114%	134%
2025 Total Installed Portfolio Savings[1]	$276,835,778	1,125.6	232.5
Adopted 2025 Target (D.23-08-005)	$117,062,964	1,008.4	172.4
Percentage of goal attainment	236%	112%	135%
2 Yr Total Installed Portfolio Savings[1]	$434,630,764	2,350.7	482.3
Adopted 2 Yr Target (D.23-08-005)	$229,597,742	2,079.6	358.9
Percentage of goal attainment	189%	113%	134%
2024-2027 Cumulative Total Installed Portfolio Savings	$434,630,764	2,350.7	482.3
Adopted 2024-2027 Goal (D.23-08-005) & (D.25-08-034)	$552,244,151	3,590.3	618.0
Progress Towards 4-year Goal	79%	65%	78%

[1] Includes IOUs REN/CCA TSB achievements

Section 1: Program Data

Data can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-1 Program Data." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

Section 2: Bill Impacts

Bill impact tables can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-2 Bill Impacts." The spreadsheet can be accessed on the CEDARS website *available at* https://cedars.cpuc.ca.gov/documents/standalone/list/.

This section provides an explanation of the impact of EE activities on customer bills after they have participated in EE programs, compared to their bills without EE program participation.

In 2025, SCE was authorized to collect funds from ratepayers to implement approved EE programs. Customer bills included the authorized collection on January 1, 2025, the date the Program Year (PY) began. Therefore, EE programs increase customer bills "up front," when funds are collected to fund the programs. However, upon implementation, the programs reduce customer energy usage due to improvements in EE and subsequently reduce participants' bills. In the long term, all users will benefit through reductions in the cost of energy.

The following provides a brief explanation of the assumptions used in the calculation:

- The customer bill impacts included in this Report reflect the net impact on bills, accounting for the benefits of the programs.
- The overall impact of SCE's programs is that customer bills will decrease compared to bills without the EE programs.

The following methodology was used to calculate bill impacts resulting from the 2025 EE portfolio:

- The calculation methodology to determine average first-year bill savings uses the total gross energy savings per year multiplied by the average rate denominated in kWh. The product of these values is the total bill savings for all program participants.
- Similarly, the calculation methodology to determine average lifecycle bill savings uses the total lifecycle gross energy savings multiplied by the average rate denominated in kWh. The product of these numbers is the total lifecycle bill savings for all program participants.

Section 3: Commitments[31]

The amounts shown in this table include dollar amounts reserved for, and energy savings expected from, projects and/or contracts that SCE entered into during the relevant budget years and that remain to be paid out after 2025. These figures do not include any commitments for Regional Energy Network (REN) funding or Evaluation, Measurement & Verification (EM&V) funding. Data can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-3 Commitments." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

Section 4: Cap and Target Expenditures

The Cap and Target Expenditures Report table details whether program budgets in each category (Administrative Costs, Marketing and Outreach, Direct Implementation, and EM&V) exceed the percentage caps and targets. Data can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-4 Expenditures." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

Section 5: Business Plan (BP) Metrics

A copy of SCE's Metrics can be found in the "SCE AnnualExcel.2025.xlsx" spreadsheet, under tab "T-5 BP Metrics." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

SCE defines and reports Common, Equity and Market Support metrics in its Annual Report tables. In 2025, implementers' successes, strategies, lessons learned, and best practices can be found within the following programs:

- Disadvantaged Communities Marketing and Outreach Non-Resource Program (SCE_Res_Equity_003)
- Residential Energy Advisor Non-Resource Equity Program (SCE_Res_Equity_002)

[31] D.23-06-055, *Application of Pacific Gas and Electric Company for Approval of 2024-2031 Energy Efficiency Business Plan and 2024-2027 Portfolio Plan*, Issued July 3, 2023, Ordering Paragraph (OP) 7.

In Resolution E-5351[32], framework for EE equity, market support, common metrics and indicators were clarified and revised. The Commission directed PAs to:

- Report progress using the updated definitions under E-5351 for Market Support Indicators and Common Metrics previously adopted in D. 23-06-055 and D.18-05-041.

Section 6: Local & Statewide Program Third-Party Calculation

Reporting on Local Program third-party budgets, Statewide program third-party budgets, AB841 budget, annual budgets, third-party outsourcing compliance, and Statewide budget compliance can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-6 3P Calculation." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

Per D.18-01-004,[33] the Commission ordered in 2018 that EE portfolio budgets be contracted to third parties using a phased-in approach. To ensure a smooth transition, CPUC raised the third-party minimum compliance percentage requirement over several years. In 2022, the CPUC set a minimum requirement of 60%. In 2025, SCE met its third-party program requirements threshold by achieving 69%.

Statewide Third-Party Program Coordination

To allow for the successful implementation of Statewide programs, all IOUs have engaged in various coordinated efforts. The IOUs have established a coordinated body that meets regularly to coordinate the development of critical infrastructure that will allow the IOUs to implement Statewide programs in compliance with Commission guidance. All meetings and topics of discussion abide by each utility's antitrust policy.

Statewide Third-Party Program Budgets

On November 15, 2018, PG&E, SCE, SDG&E, and SoCalGas filed a Joint Supplemental Advice Letter regarding the IOUs' proposed mechanism for shared funding of Statewide programs pursuant to D.18-05-041, OP 24[34].

In D.18-05-041, OP 24, the Commission also directed the IOUs to include a summary of key findings from the annual report in their respective annual EE portfolio reports to the Commission. Specifically, the summary of key findings details proportional funding amounts for each statewide program area, and highlights any IOU cost-sharing discrepancies, with a focus on the requirement for proportional budget contributions.[35] This information can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

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32 Further refines metric indicator definitions, calculation methods, baseline assumptions, and reporting expectations.

33 D18-01-004, *Decision Addressing Third-Party Solicitation Process for Energy Efficiency Programs,* issued January 17, 2018.

34 *Joint Supplemental Advice Letter, Shared Funding Mechanism Proposal Pursuant to Decision 18-05-041,* (SDG&E AL 3268-E-A/2701-G-A; SoCalGas AL 5346-G-A; SCE AL 3861-E-A; and PG&E AL 5373-E-A/4009-G-A).

35 D.18-05-041, pp. 86-87.

Section 7: Third-Party Contract Information

For details reference reporting on SCE third-party contract details can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-7 3P Contract Info." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

D.18-05-041, OP 17, directed IOUs to track the number and proportion of third parties that forego the option of using utility account representatives. IOUs must include this information in their Annual Reports. In 2025, SCE had an adoption rate of 94% where third-party vendors used SCE account representatives.

Section 8: SCE Marketplace Metrics

California AB 793 and the associated CPUC Resolution E-4820 mandated that California IOUs develop Energy Management Technologies (EMTs). SCE Marketplace reporting data can be found in the "SCE_2025_Annual Report Narratives and Spreadsheets.xlsx" spreadsheet, under tab "T-8 SCE Marketplace Metrics." The spreadsheet can be accessed on the CEDARS website at https://cedars.cpuc.ca.gov/documents/standalone/list/.

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Appendix B. Southern California Edison Programs

Active SCE Energy Efficiency Portfolio Programs

Program ID	Program Name	CPUC-Approved Start Year
SCE_3P_2025R_001	Customer Home Engagement for Energy Reduction (CHEER) Program	2025
SCE_3P_2025C_001	Commercial Energy Reduction Initiative (CERI)	2025
SCE_3P_2025C_002	Comprehensive Refrigeration Energy Savings and Training (CREST)	2025
SCE_3P_2025R_002	Residential Energy Solutions (RES)	2025
SCE_3P_2025MAP_001C	Grid-Responsive Incentive Design Market Access Program (GRID-MAP)	2025
SCE_3P_2025MAP_001P	Grid-Responsive Incentive Design Market Access Program (GRID-MAP)	2025
SCE_3P_2025MAP_001R	Grid-Responsive Incentive Design Market Access Program (GRID-MAP)	2025
SCE_3P_2025MAP_002C	Measured Savings Program	2025
SCE_3P_2025MAP_002P	Measured Savings Program	2025
SCE_3P_2025C_003	Refrigeration Efficiency and Leak Mitigation (REALM)	2025
SCE_3P_2025I_001	Industrial Incentive Solutions (IIS) Program	2025
SCE_3P_SEM_003	SPARKe Strategic Energy Management (SEM) Program - Commercial	2024
SCE_3P_SEM_004	SPARKe Strategic Energy Management (SEM) Program -Industrial	2024
SCE_3P_SEM_004A	SPARKe Strategic Energy Management (SEM) Program - Agriculture	2024
SCE_3P_SEM_001	Strategic Energy Management (SEM) Program – Commercial	2024
SCE_3P_SEM_002	Strategic Energy Management (SEM) Program -Industrial	2024
SCE_3P_SEM_002A	Strategic Energy Management (SEM) Program – Agriculture	2024
SCE_MarketSupport_002	Energy Efficiency Contractor Demand Building Program	2024
SCE_MarketSupport_001	Energy Efficiency New Program Design Pilots	2024
SCE-24-Non-3P-001-Com	Comprehensive Energy Efficiency Resource Program (CEER)	2024
SCE_3P_2024R_MF_001	Multifamily Residential Direct Install Program	2024
SCE_Res_Equity_002	Residential Energy Advisor Non-Resource Equity Programs	2023
SCE_Res_Equity_001	Residential Energy Advisor Resource Equity Programs	2023
SCE_Res_Equity_003	Disadvantaged Community Marketing and Outreach Non-Resource Program	2023
SCE_SMB_Equity_001	Small Medium Business Equity (Simplified Savings) Program	2023

Program ID	Program Name	CPUC-Approved Start Year
SCE_SW_WP	Statewide Water Infrastructure & System Efficiency Program (SW WISE)	2023
SCE_SW_IP_Colleges	Statewide Higher Education Efficiency Performance Program (HEEP)	2022
SCE_3P_2021AGPUB_001	Agriculture Energy Efficiency Program	2021
SCE_3P_2021AGPUB_002	Public Energy Performance (PEP) Program	2021
SCE_SW_ETP_Elec	Statewide Electric Emerging Technologies Program (SWEETP)	2021
SCE_3P_2020RCI_003	Commercial Behavioral Program[36]	2020
SCE_3P_2020RCI_001	Enervee Marketplace Program	2020
SCE_3P_2020RCI_005	Comprehensive Commercial Energy Efficiency Program	2020
SCE-13-SW-003D	Legacy Strategic Energy Management (SEM) Program	2018
SCE-13-TP-024	Residential Pay-for-Performance Program - AB793	2017
SCE-13-SW-001G	Residential Direct Install Program[37]	2017
SCE-13-SW-002A	Commercial Energy Advisor Program	2013
SCE-13-SW-008C	Compliance Improvement Subprogram	2013
SCE-13-TP-001	Comprehensive Manufactured Homes Program[38]	2013
SCE-13-SW-001A	Home Energy Advisor Program[39]	2013
SCE-13-SW-007C	New Finance Offerings	2013
SCE-13-SW-007A	On-Bill Financing (OBF) Program	2013
SCE-13-SW-008E	Planning and Coordination (P&C) Subprogram	2013
SCE-13-SW-008D	Reach Codes Subprogram	2013
SCE-13-SW-010A	Workforce Education & Training (WE&T) Program	2013

[36] Program is closed to new enrollment.
[37] *Id.*
[38] *Id.*
[39] *Id.*

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Appendix C. List of Acronyms and Abbreviations

Acronym or Abbreviation	Explanation
3C-REN	Tri-County Regional Energy Network
AB	Assembly Bill
ABC SoCal	Associated Builders & Contractors (of southern California)
AC-HP	Air Conditioning to Heat Pump
AESC	Alternative Energy Systems Consulting
AgEE	Agriculture Energy Efficiency
AIA	American Institute of Architects
AL	Advice Letter
AMI	Advanced Metering Infrastructure
APR	Annual Percentage Rate
ASHRAE	ASHRAE.org, formerly American Society of Heating, Refrigeration, & Air-Conditioning Engineers
AWHI	Advanced Water Heating Initiative
BBB	Better Business Bureau
BE	Building Electrification
BEM	Building Energy Modeling (see CalBEM)
BER	Business Energy Report
BIA	Building Industry Association
BPS	Building Performance Standards
BRO	Behavioral, Retro-commissioning, and Operational
BTO	Business Trade Organization
BUGMAP	Bottoms-Up Grid Model Advanced Profiles
C&S	Codes and Standards
C/E	Cost-Effectiveness
CABEC	California Association of Building Energy Consultants
CAEATFA	California Alternative Energy and Advanced Transportation Financing Authority
CALBO	California Building Officials
CalBEM	California Building Energy Modeling
CALGreen	California Green Building Standards Code
CalMTA	California Market Transformation Administrator
CARB	California Air Resources Board
CASE	Codes and Standards Enhancement
CATALENA	California Analysis Tool for Locational Energy Assessment
CBDP	Contractor Building Demand Program
CBECC	California Building Energy Code Compliance
CBO	Community-Based Organization

Acronym or Abbreviation	Explanation
CBSC	California Building Standards Commission
CCC	California Community Colleges [System]
CCRREN	Central California Rural Regional Energy Network
CDBP	Contractor Demand Building Program
CEC	California Energy Commission
CEDARS	California Energy Data and Reporting System
CEEP	Commercial Energy Efficiency Program
CEER	Comprehensive Energy Efficiency Resource
CEESP	California Energy Efficiency Strategic Plan
CEQA	California Environmental Quality Act
CERI	Commercial Energy Reduction Initiative
CET	Cost-Effectiveness Tool
CEU	Continuing Education Unit
CFESA	Commercial Food Equipment Service Association
CHEEF	California Hub for Energy Efficiency Financing
CHEER	Custom Home Engagement for Energy Reduction (program)
CHPWH	Central Heat Pump Water Heater
CI	Compliance Improvement [Subprogram]
CMHP	Comprehensive Manufactured Homes Program
CO_2	Carbon dioxide
CPUC	California Public Utilities Commission
CRA	California Restaurant Association
CREST	Comprehensive Refrigeration Energy Savings and Training (Program)
CRF	California Restaurant Association Foundation
CSU	California State University [System]
CUPD	California Unified Prototype Development (project)
CWR	[WE&T] Career Workforce Readiness [Program]
D.	Decision
DAC, DACs	Disadvantaged Community (ies)
DACMO	Disadvantaged Community Marketing and Outreach
DER	Distributed Energy Resources
DFPI	Department of Financial Protection and Innovation
DG	Distributed Generation
DI	Direct Install [Program]
DOE	(U.S.) Department of Energy
DR	Demand Response
DSM	Demand-Side Management
DW	Disadvantaged Worker
ECA	Energy Code Ace (.com)

Acronym or Abbreviation	Explanation
ED	[CPUC] Energy Division
EE	Energy Efficiency
EEC	Energy Education Center
EECI	Early Electrification Customer Insights
EM&V	Evaluation, Measurement & Verification (see also M&V)
EMT	Energy Management Technology
EO	Early Opinion
EPRI	Electric Power Research Institute
ESA	Energy Savings Assistance [Program]
ESJ	Environmental Social Justice
ETCC	Energy Transition Coordinating Council
EV	Electric Vehicle
FTC	Foodservice Technology Center
GES	Global Energy Services
GHG	Greenhouse Gas
GRID-MAP	Grid-Responsive Incentive Design Market Access Program
GW, GWh	Gigawatts, Gigawatt-hours
GWP	Global Warming Potential
HAN	Home Area Network
HEA	Home Energy Advisor [Program], also Home Energy Advisements
HEEP	Higher Education Efficiency Performance [Program]
HER	Home Energy Report
HES	Home Energy Score
HPWH	Heat Pump Water Heater
HTR	Hard-to-Reach
HVAC	Heating, Ventilation and Air Conditioning
HVAC&R	Heating, Ventilation, Air Conditioning, and Refrigeration
HVACRedu	HVACRedu.net
ICC	International Code Council
IDSM	Integrated Demand-Side Management
IEET	Integrated Energy Education and Training
IHACI	Institute of Heating and Air Conditioning Industries
IIS	Industrial Incentive Solutions (Program)
ILP	Induction (Range) Lending Program
ILT	Instructor Led Training
IOU	Investor-Owned Utility
IQP	Income-Qualified Program
I-REN	Inland Regional Energy Network
JA	Joint Appendix

Acronym or Abbreviation	Explanation
kW, kWh	kilowatts, kilowatt-hours
LBNL	Lawrence Berkeley National Laboratory
LPA	Lead Program Administrator(s)
M&V	Measurement and Verification (see also EM&V)
MAP	Market Access Program
MCAL	Mid-Cycle Advice Letter
MEU	Mobile Education Unit
MFRDI	Multifamily Residential Direct Install
MFHP	Multi-function Heat Pump
MIDAS	Market Information Data Analytics System
MTAB	Market Transformation Advisory Board
MW, MWh	Megawatts, Megawatt-hours
NAICS	North American Industry Classification System
NCI	National Comfort Institute
Net RBn	Total Resource Net Benefit (or TRC Net Benefit)
NMEC	Net (or Normalized) Meter (or Metered) Energy Consumption
NTGR	Net-to-Gross Ratio
OBF	On-Bill Financing
OBR	On-Bill Repayment
OP	Ordering Paragraph
P&C	Planning & Coordination [Subprogram]
PA	Portfolio Administrator, Program Administrator *or* Public Administrator
PAC	Program Administrator Cost
PEP	Public Energy Performance [Program]
PG&E	Pacific Gas & Electric Company
PHCA	Passive House California
PHCC	Plumbing-Heating-Cooling Contractors (Association)
PLA	Plug Load Appliances
PSPBR	Public Sector Performance-Based Retrofit (Program)
PY	Program Year
QA	Quality Assurance (often combined with Quality Control, i.e., **QA/QC**)
QC	Quality Control (often combined with Quality Assurance, i.e., **QA/QC**)
QI	Quality Installation
QM	Quality Maintenance
QS	Quality Service
RA	Resource Acquisition
RCI	Residential, Commercial, and Industrial
RCT	Randomized Control Trial
REA	Residential Energy Advisor (Program)

Acronym or Abbreviation	Explanation
REALM	Refrigeration Efficiency and Leak Management
REN	Regional Energy Network
RES	Residential Energy Solutions (Program)
Res DI	Residential Direct Install (Program)
RIM	Ratepayer Impact Measure
RP 2.1	Reporting Platform 2.1
RTU	(heat pump) Rooftop Units
SB	(1) Senate Bill; (2) Small Business
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison Company
SCSNA	SoCal School Nutrition Association
SDG&E	San Diego Gas & Electric Company
SEI	Strategic Energy Innovations
SEM	Strategic Energy Management [Program]
SEP	Smart Energy Program
SMB	Small and Medium-sized Business
SoCalGas	Southern California Gas Company (aka SCG or The Gas Company)
SoCalREN	Southern California Regional Energy Network(s)
SP&E	System Planning and Engineering
SW	Statewide
SW WISE	Statewide Water Infrastructure and System Efficiency (Program)
SWEETP	Statewide Electric Emerging Technologies Program (also known as CalNEXT)
T&D	Transmission & Distribution
TA	Trade Allies
TDR	Technology Development Research
TECH	Technology and Equipment for Clean Heating
TLL	Tool Lending Library
TOB	Tariff On-Bill
TPI	Third-Party Implementer (or Third-party-Implemented)
TPM	Technology Priority Map
TRC	(1) Total Resource Cost; (2) TRC Solutions, a third-party implementer *Note: see also Net RBn, above.*
TSB	Total System Benefit(s)
UC	University of California
USGBC	U.S. Green Building Council
VRF	Variable Refrigerant Flow
VSD	Variable Speed Drive
WE&T	Workforce Education & Training
WE&T IEET	WE&T Integrated Energy Education and Training [Subprogram]

Acronym or Abbreviation	Explanation
WISE	Water Infrastructure & System Efficiency [Program]

Attachment B

Notice of Availability of Southern California Edison Company's Posting of 2025 Energy Efficiency Programs Annual Report and Supporting Documents

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE

STATE OF CALIFORNIA

Order Instituting Rulemaking for Oversight of Energy Efficiency Portfolios, Policies, Programs, and Evaluation.	R.25-04-010

NOTICE OF AVAILABILITY OF SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) POSTING OF 2025 ENERGY EFFICIENCY PROGRAMS ANNUAL REPORT AND SUPPORTING DOCUMENTS

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Dated: June 1, 2026

BEFORE THE PUBLIC UTILITIES COMMISSION OF THE

STATE OF CALIFORNIA

Order Instituting Rulemaking for Oversight of Energy Efficiency Portfolios, Policies, Programs, and Evaluation.	R.25-04-010

NOTICE OF AVAILABILITY OF SOUTHERN CALIFORNIA EDISON COMPANY'S (U 338-E) POSTING OF 2025 ENERGY EFFICIENCY PROGRAMS ANNUAL REPORT AND SUPPORTING DOCUMENTS

Pursuant to the Administrative Law Judge's Ruling Adopting Annual Reporting Requirements for Energy Efficiency and Addressing Related Reporting Issues dated August 8, 2007, Southern California Edison Company (SCE) hereby provides notice to the service list in proceeding R.25-04-010 that the following documents are available for viewing and downloading on the Proposal Evaluation & Proposal Management Application (PEPMA) website within 10 days:

SCE's 2025 Energy Efficiency Annual Report (Annual Report) and supporting documents, including the following appendices, as shown in the table of contents:

- Appendix A – Annual Report Tables
- Appendix B – Southern California Edison Programs for 2025
- Appendix C – List of Acronyms and Abbreviations

Additionally, SCE provides notice to the above-referenced service list that the Annual Report includes the key activities of the statewide Workforce, Education and Training (WE&T) Program for 2025.

Respectfully submitted,

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June 1, 2026