# Southern California Edison


# Implementation Plan

## Summer Reliability Program (SRP)
## for Commercial and Residential Customers

## First Filing Date: 06/14/2022

## Version 1.1

# Table of Contents

# 1. Program Budget and Savings Information

## 1. Program and/or Sub-Program Name

The 2022-2023 Market Access Program (MAP) will be marketed as the Summer Reliability Program (SRP).

## 2. Program and/or Sub-Program ID Number

N/A

## 3. Program and/or Sub-Program Budget

| Budget Category | 2022 | 2023 | Cumulative |
|---|---|---|---|
| Administration | $3,000,000 | $3,000,000 | **$6,000,000** |
| Marketing | $1,500,000 | $1,000,000 | **$2,500,000** |
| Direct Implementation | $3,218,750 | $9,656,250 | **$12,875,000** |
| Compensation | $5,793,750 | $32,831,250 | **$38,625,000** |
| **Total** | **$13,512,500** | **$46,487,500** | **$60,000,000** |

## 4. Program and/or Sub-Program Gross Impacts Table

| | | | |
|---|---|---|---|
| Total System Benefits | $8,096,424 | $49,691,328 | **$57,787,752** |
| Peak kW | 1,384 | 7,843 | **9,227** |
| Net Peak kW | 1,033 | 5,854 | **6,887** |

## 5. Program and/or Sub-Program Cost-Effectiveness (TRC)

CPUC Decision D.21-12-011 Ordering Paragraph 7 suspends cost effective requirements for this program.

## 6. Program and/or Sub-Program Cost-Effectiveness (PAC)

CPUC Decision D.21-12-011 Ordering Paragraph 7 suspends cost effective requirements for this program.

## 7. Type of Program and/or Sub-Program Implementer

| Program Implementer | |
|---|---|
| PA-delivered | ☒ |
| Third Party-Delivered | ☐ |
| Partnership | ☐ |

## 8. Market Sector

| SCE Business Plan Sector | Yes |
|---|---|
| Residential | ☒ |
| Commercial | ☒ |
| Industrial | ☐ |
| Agricultural | ☐ |
| Public | ☐ |
| Cross-Cutting | ☐ |

## 9. Program and/or Sub-Program Type

| Program Type | |
|---|---|
| Resource | ☒ |
| Non-Resource | ☐ |

## 10. Market Channels and Intervention Strategies:

| Market Channels | |
|---|---|
| Upstream | ☐ |
| Midstream | ☐ |
| Downstream | ☒ |
| **Intervention Strategies** | |
| Direct Install | ☒ |

| Market Channels | |
|---|---|
| Compensation | ☒ |
| Finance | ☐ |
| Audit | ☐ |
| Technical Assistance | ☐ |
| Other | ☐ |

# 2. Implementation Plan Narrative

## 1. Program Description

*Describe the program, its rationale, and its objectives.*

The primary objective of the Summer Reliability Program is to deliver peak and net peak demand savings during the summers of 2022 and 2023 via a population NMEC offering to Commercial and Residential customers. To clearly signal this goal to the market, SCE will use a "kicker" to compensate vendors and implementers) that submit projects with measures that bring peak and net peak reductions for the summers of 2022-2023 and beyond. The enhanced compensation is based on the total system benefits, which include the higher peak and net peak period avoided costs and increase in value the longer the savings persist. SCE classifies individual hours across the year into three separate categories: Peak, Net Peak, and Non-Peak hours.

- **Peak hours**: hours between 4-7 P.M. on business days between June 1-September 30
- **Net Peak hours**: hours between 7-9 P.M. on business days between June 1-September 30
- **Non-Peak hours**: All other hours will be considered Non-Peak

CPUC Decision 21-12-011 authorizes a two-year Market Access Program (MAP), marketed as the Summer Reliability Program (SRP) by Southern California Edison (SCE), that is being funded by $150 million allocated among Pacific Gas and Electric Company (PG&E), San Diego Gas & Electric Company (SDG&E), and SCE, to deliver peak and/or net peak demand savings using the normalized metered energy consumption (NMEC) method of measuring energy and peak demand savings in residential and commercial buildings.

Compensation will be distributed to vendors and implementers on a pay-for-performance basis, and will be contingent on program delivery, within the constraints of the two-year approved funding of $60 million. The SRP is intended to utilize population-level NMEC rules and a pay-for-performance compensation based on total system benefits (TSB) to incentivize vendors and implementers to deploy Energy Efficiency (EE) projects that deliver measurable peak and/or net peak demand savings.

### Trade Professionals

Trade Professionals (TradePros) will serve as implementers of individual building projects within the SRP target sectors. Their responsibility is to recruit building projects and implement Energy Efficient Measures (EEMs) that reduce peak and net-peak period energy use as well as save energy throughout the day and year. The initial set of targeted market sectors is shown in the table below. These sectors were selected for their high potential for energy savings during the peak and net peak time windows. This list is not exhaustive and additional sectors may be added.

| Building Type |
|---|
| Supermarkets and Other Grocery (except Convenience) Stores |
| Limited-Service Restaurants |
| Department Stores |

| Building Type |
|---|
| Drugs and Druggists' Sundries Wholesalers |
| New Car Dealers |
| Pharmacies and Drug Stores |
| Gasoline Stations with Convenience Stores |
| Warehouse Clubs and Superstores |
| Convenience Stores |
| Other Grocery and Related Product Wholesalers |
| Home Centers |
| Indoor Horticulture |

The SRP will provide several market signals to TradePros to motivate their participation. The SRP will recruit TradePros that have relationships or can quickly develop relationships with the owners of the high-impact buildings. Because the TSB depends principally on the installed EEMs, their savings, their effective useful life (EUL) and the energy use characteristics of the market sector, a "one-size-fits-all" compensation structure for non-peak and peak periods is difficult and time consuming to determine. Instead, the elements of the TSB calculation (EEM savings, EUL, and market sector energy use profiles) will be used to motivate TradePro participation and signal that EEMs delivering long life peak period are highly valued.

Enhanced compensation for the peak and net peak periods are included within the TSB calculations. Because different EEMs installed in different buildings produce different savings profiles and different amounts of TSB, it is difficult to establish specific incentive rates in these periods for each EEM and building combination. Since the avoided costs are higher in the peak periods, the compensation levels will also show higher rates for the peak periods accordingly. They will show that peak period rates are 2 to 3 times higher than in non-peak periods, and that the net peak period rates are roughly 3 to 5 times higher. Also, the set of non-peak, peak, and net peak period rates will vary by climate zone and market sector.

The SRP will develop tables of calculated TSB values by non-peak and peak periods for years of EEM EUL. For example, Table 5 in the M&V Plan illustrates how the TSB values increase for every additional year of EUL for that particular EEM and targeted market sector.

To facilitate these market signals, the SRP will provide the compensation rates and TSB tables for each market sector and EEM combination. SRP will also provide a savings estimation tool that outputs first year savings based on DEER and workpaper values for the EEMs in each sector. The estimator will provide EEM savings values based on typical load shapes and the weighted EUL for the group of measures proposed for a TradePro's project. TradePros may propose additional EEMs with their applications. This allows the TradePros to value and propose additional EEMs not anticipated by the SRP. For all EEMs not included in the SRP estimation tool, the TradePro will be required to submit the data and supporting calculations for review and approval by SCE. The estimator tool will provide TradePros a projection of potential compensation based on a submitted project. Actual compensation will be based on the measures savings as determined by the Population NMEC analysis described in the M&V Plan.

The TradePros are required to submit all required individual project documentation including customer eligibility requirements, annual savings estimates, and weighted EULs for the proposed EEMs at each site. Using a look-up table of annual total system benefits (TSB) based on the target sector, EEM savings, and weighted EUL, the TSB for the TradePros's group of projects is estimated. This estimated TSB is multiplied by a discount factor and the Trade Pro's compensation is determined by the product of the discounted TSB and estimated savings. The discount factor is simply the ratio of available program compensation payable to TradePros over the total TSB expected from the Advice Letter (approximately 65%). The resulting potential payment will be higher than payments determined from annual savings and peak period estimates multiplied by compensation rates. Actual payments will be based on the population NMEC analysis described in the M&V Plan.

All building projects will be grouped according to the specific four calendar months in which they are submitted, February 1 to May 31, June 1 to September 30, and October 1 to January 31. These months were selected so that the peak period is within one of the four-month periods. All TradePro projects with EEM installations that are completed prior to the beginning of one of these four-month periods will define a group. TradePros are allowed to recruit projects until July 1, 2023 (the cut-off for all application submissions). Project installations must be completed **no later than** August 1, 2023, with the final installation documentation being submitted to SCE no later than August 31, 2023. Projects must comply will all program guidelines.

TradePros must meet minimum requirements for the number of eligible projects and savings. The M&V Plan describes the data requirements and calculation procedures for defining the comparison group and estimating savings for each TradePro's group. Each TradePro's project groups' savings, discounted TSB, and settlement payment will be determined for each four-month period during the performance year. Performance year payments will be provided within the three-month period following the close of the first four-month period and will continue for each of the following two four-month periods. Performance payments will be true-up payments that are net of all prior up-front payments for those cases negotiated by SCE.

SCE's iEnergy platform will be used to track TradePro progress throughout the engagement with the program. iEnergy facilitates technical review, project approval, and installation reporting. Additional tracking outside of iEnergy of key project and program milestone dates will be used to define each TradePro's groups and set up settlement schedules for the performance year. Following is a description of activities and requirements for specific stages of the SRP engagement with each TradePro.

SCE may revisit the schedule of payments to encourage participation and support the objectives of reducing kW that achieves TSB, SCE may consider distributing funds for tangible and verifiable advancement of project success, including but not limited to milestone payments based on submission and approval of an application, at completion of project installation, or an initial partial payment based on the estimated TSB for the installed measures.

**Project Submission**

An SRP project application template will be developed and provided to each participating TradePro. TradePros are required to fill out the application template for each of its customers participating in SRP. Beyond customer identifying information (name, address, contact information, etc.) the application requires customer eligibility information, a description of the building and its operations, a high-level list of energy end-uses in the building, a list of EEMs to be installed and their estimated energy and peak period savings, and the weighted EUL for the project. The source of each EEM's

savings estimate will be identified and for all EEMs not included in the SRP EEM Estimator, the TradePro is required to submit the data and calculations for review and approval by SCE.

As described in the M&V Plan, customers with solar (photovoltaic) panels, fuel cell technology, battery storage, and other renewable, distributed energy, and storage technologies are not eligible to participate in the SRP. The completed application materials will be uploaded into iEnergy and additional fields in the project application form are filled out.

Because SRP is designed to deliver incremental savings to SCE's existing portfolio, or energy efficiency and demand response programs, the program design centers on compensating projects for the grid value their SRP projects deliver. Along with other project completion details, SCE will pass the NMEC Technical Review team information on current demand response program enrollments and any energy efficiency measures completed in the twelve months prior to SRP participation. Participants should also not have participated in or completed an energy efficiency project within the previous 24 months.

**Project Approval**

SCE will receive the application and perform a review(s) of the information provided. A contracted third-party engineering firm will then review the entire project application, including the EEM calculations. SCE may require additional information from the TradePro to assure all program requirements are fulfilled. Upon approval, SCE will notify the TradePro through established channels.

CPUC Decision D.21-12-011 suspends the Ex-Ante review process for this program.

**Installation Verification**

After receiving written Project Approval from SCE, TradePros may then commence ordering and installation of the proposed EEMs in the project buildings. After each project's EEMs have been installed and are operating, the TradePro submits a project installation report for the project. Any differences between planned and actual installations must be described in the installation report, SCE receives and reviews the installation report. SCE reserves the right to inspect any installation before processing the application for payment.

**Performance Payments**

The date that the TradePro submitted the installation report will be used to define the TradePros group of projects. All projects submitted within a target (or additional) sector and within one of the four-month periods defined above will constitute a group. TradePros may continue to recruit and submit projects for succeeding four-month periods within the target sector to define additional groups.

For each project in each group, SCE will provide data to the M&V consultant for savings analysis and settlement. Analysis details are included in the M&V Plan. The first settlement payment for each group will be 60 to 90 days following the close of the first four-month performance period. The second settlement payment will be 60 to 90 days following the next four-month period. The final settlement payment will be 60 to 90 days following the final four-month period.

The SRP compensates TradePros based on the discounted TSB. The Total System Benefits has the avoided costs of the peak and net peak periods embedded in the calculation. The avoided costs are higher in these peak periods and serve as kickers to enhance potential compensation to the TradePros,

see Figure 1 in the M&V Plan. As described in the previous section, tables of TSB values based on the EEMs, targeted building types and climate zone will be provided to show TradePros the compensation they may potentially earn from the program.

## 2. Program Delivery and Customer Services

*Describe how the energy efficiency (EE) program will deliver offerings (including program strategies/tactics, market channel, and targeted market/customer group); how it will reach customers, including those in CPUC-defined hard-to-reach and/or disadvantaged communities (if applicable), and any services that the program will provide. Describe all services and tools that are provided.*

The primary objective of the Summer Reliability Program is to deliver peak and net peak demand savings using population based normalized meter energy consumption (NMEC) in residential and commercial buildings during the summers of 2022 and 2023.

SCE will develop SRP requirements and use a "kicker" to maximize awareness and encourage participation to realize savings during peak and net peak times. This kW Kicker is designed to incentivize projects and measures that bring durable peak and net peak reductions that can deliver savings for the summers of 2022-2023 and beyond. SCE will define the individual hours across the year into three separate categories: Peak, Net Peak, and Non-Peak (TSB) hours.

- Peak hours will comprise hours between 4-7 P.M. that occur on business days between June 1-September 30
- Net Peak hours will comprise hours between 7-9 P.M. on business days between June 1-September 30
- All other hours will be considered Non-Peak

SCE may adjust the kW Kicker structure to maximize peak and net peak reductions. Once the value of the kW Kicker is calculated, SCE will develop an appropriate payment schedule consistent with the NMEC Rulebook 2.0.

SCE will develop the necessary infrastructure to support the delivery of the SRP to deliver incremental savings in a timely manner. As directed by the Decision, SCE will develop a population NMEC platform to support the intake of projects and population NMEC M&V activities to value savings in June 2022.

To provide near-term results in the summer of 2022, SCE will leverage existing Direct Installation vendors to target specific populations of customers. . SCE anticipates having the initial TradePro network established in June of 2022 and will continue to onboard additional TradePros throughout the program cycle. In all cases, the activity in the SRP will be incremental to existing EE programs.

## 3. Program Design and Best Practices

*Describe the program strategies/tactics that will be used to reduce the identified market barriers for the targeted customer group and/or market actor(s). Describe why the program approach constitutes "best practices" or reflects "lessons learned." Include descriptions of key software tools that are significant to program strategy and implementation, including audit tools. Provide references where available*

**Population NMEC Platform**

SCE's design of SRP is consistent with the CPUC's decision to approve a Market Access Program to enhance reliability during the summers of 2022 and 2023. The decision dictates that a population-level NMEC approach be used for settlement and reporting.

SCE will utilize an existing contract with an Evaluation, Measurement and Verification Plan consultant to support the development of a non-residential and residential population NMEC platform.

The consultant will:

- Support the development of a program Level M&V Plan, and
- Implement the plan to measure and validate savings and support any necessary adjustments.

The program-level M&V Plan is compliant with the NMEC Rulebook Version 2.0 and includes best practices identified in the recent Population NMEC Control Group Accuracy Assessment Report developed by PG&E.

To demonstrate incrementality, the preference will be to establish targeted treatment populations with comparison groups. The populations will ideally have significant savings opportunities, homogeneous and conducive to the rapid installations of energy efficiency measures that result in peak and/or net peak demand savings. In addition, a preference will be placed on measures with longer EULs that provide durable savings and increased TSB.

The program-level M&V Plan has been included within this Implementation Plan.

## 4. Innovation

*(If applicable and for programs designed and implemented by a third party): Describe how the program is innovative and will increase the uptake of cost-effective energy efficiency and minimizes lost opportunities for promoting other demand-side energy reduction efforts by advancing a technology, marketing strategy, or delivery approach in a manner different from previous efforts. See Appendix D of the Energy Efficiency Programs Implementation Plan Template Guidance Document, V2.1, May 2020, pp. 20-22, for the updated innovation definition and requirements.*

The primary objective of the Summer Reliability Program is to streamline the path for energy efficiency projects into actual sustainable savings utilizing a population-based NMEC approach utilizing a pay-for-performance strategy and to deliver peak and net peak demand savings in targeted residential and commercial buildings during the summers of 2022 and 2023.

## 5. Metrics

*Provide metrics that will be used to track program progress. For programs designed and implemented by third parties, include the required performance metric for innovation. Metrics can include non-energy metrics if applicable.*

SCE endeavors to preliminarily track the following metrics on a monthly basis.

- Enrollments
    - Approved
    - Installed

- Installed Under Review
- Installed & Approved

- Savings Data
  - Peak
  - Net Peak
  - kWh
  - Total System Benefits

- Program Budget ($)
  - TradePro Payments ($)
  - Forecasted TradePro Payments ($)
  - Budget Reserved ($)
  - Administration Spending ($)

## 6. For Programs Claiming To-Code Savings

*Describe how the program complies with applicable laws and:*

*a. Identify where to-code savings potential resides;*

*b. Specify which equipment types, building types, geographical locations, and/or customer segments promise cost-effective to-code savings;*

*c. Describe the barriers that prevent code-compliant equipment replacements;*

*d. Explain why natural turnover is not occurring within certain markets or for certain technologies; and*

*e. Detail the program interventions that would effectively accelerate equipment turnover.*

The non-residential and residential offerings through SRP will utilize a Population NMEC approach and will be compared against existing conditions baselines and will not target to-code savings.

## 7. Pilots

*Describe if any pilot projects are part of this program and explain the innovative characteristics of these pilots. The inclusion of this description should not replace the Ideation Process requirements currently agreed upon by CPUC staff and the IOUs. This process is still undergoing refinements and will be further discussed as part of Phase III of this proceeding (R.13-11-005).1*

Not applicable.

## 8. Workforce Education & Training (WE&T) 2

*Describe how the program will support workforce education and training to:*

*a. Expand/initiate partnerships with entities that do job placement;*

1 The Ideation Process is a set of reporting requirements developed collaboratively to ensure adequate reporting and review of pilots and other similar projects. This process will be further deliberated as part of Phase III. The current set of guidelines can be found here: https://www.cpuc.ca.gov/WorkArea/DownloadAsset.aspx?id=5292.

2 D.18-05-041, Page 20-21 and Ordering Paragraph 7.

*b. Require placement experience for any new partners in the workforce education and training programs and new solicitations;*

*c. Require "first source" hiring from a pool of qualified candidates, before looking more broadly, beginning with self-certification; and*

*d. Facilitate job connections, by working with implementers and contractor partners, and utilizing energy training centers.*

Not applicable.

## 9. Workforce Standards[3]

*Identify all relevant workforce standards that the Implementer deems applicable to the Program, including any specific skills certification and/or broader occupational training and experience for the following:*

*a. HVAC Measures: Installation, modification, or maintenance of non-residential HVAC measures with an incentive of $3,000 or more are required to be installed by workers or technicians that meet one of the following criteria:*

*1. Enrolled in and/or completed an accredited HVAC apprenticeship, or*

*2. Completed more than five years of work experience at the journey level per California Department of Industrial Relations definition, passed competency tests, and received specific credentialed training, or*

*3. Has a C-20 HVAC contractor license issued by the California Contractor's State Licensing Board.*

*b. Advanced Lighting Control Measures: Installation of non-residential lighting control measures with an of $2,000 are required to be installed by installation technicians who have completed the California Advanced Lighting Controls Training Program (CALCTP).*

All Trade Professionals will be required to adhere to the aforementioned Workforce Standards.

As part of every project Application, TradePros will have to check a box and confirm by signature their acknowledgment and compliance to these HVAC and Lighting standards.

## 10. Disadvantaged Worker Plan:[4]

*Describe how the program will provide Disadvantaged Workers with improved access to career opportunities in the EE industry for programs that directly involve the installation, modification, repair, or maintenance of EE equipment. Also, describe the method that will be used for tracking this population in order to satisfy metric reporting requirements.*

Not applicable. The Summer Reliability Program does not have a component to target disadvantaged workers

3 D.18-10-008, Ordering Paragraph 1-2 and Attachment B, Section A-B, Page B-1.
4 D.18-10-008, Attachment B, Section D, page B-9.

## 11. Additional Information

*Include here additional information as required by CPUC decision or ruling, as applicable. Indicate decision or ruling and page numbers.*

Not applicable.

# 3. Supporting Documents

Attach all the following documents as PDF-format files to this file:

## 1. Program Manuals and Program Rules

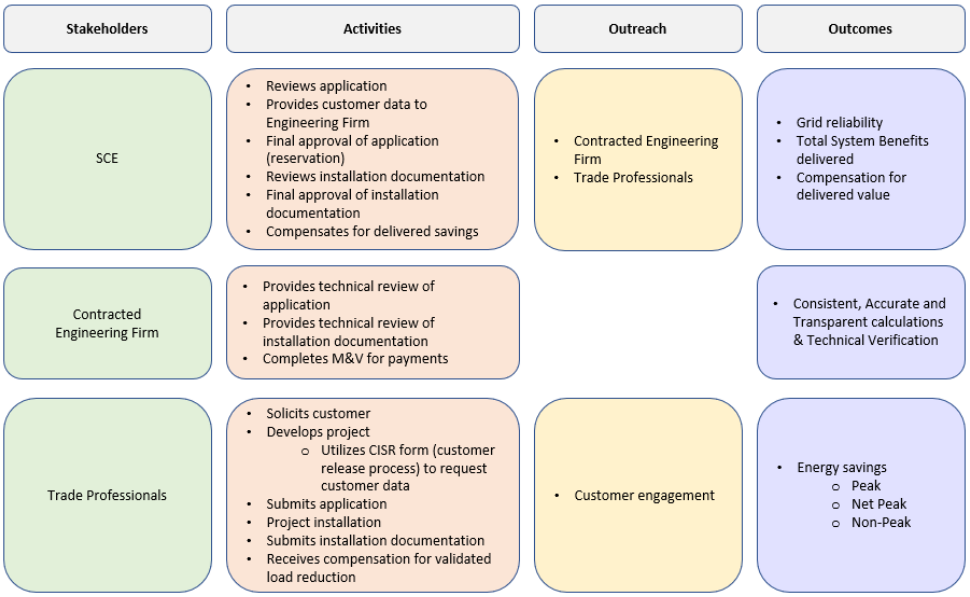
*All programs must have manuals[5] uploaded in CEDARS to clarify the eligibility requirements and rules of the program for implementers and customers. Program rules must comply with CPUC policies and rules. Table templates are available at CEDARS. At minimum, these manuals should include:*

A Program Manual will be posted to CEDARS. The Manual will be based on SCE's approved Advice Letter, Implementation Plan, Measurement and Verification Plan, and additional policies and procedures as implemented by SCE.

## 2. Program Theory[6] and Program Logic Model[7]

*Program Theory and Logic Models should visually explain the underlying program theory supporting the sub-program intervention approach, referring as needed to the relevant literature (for example: past evaluations, best practices documents, journal articles, books, etc.)*

**Logic Model**




5 "Manuals" are defined as materials given to implementers and customers, not internal process documents.

6 The expected causal relationships between program goals and program activities in a way that allows the reader to understand why the proposed program activities are expected to result in the accomplishment of the program goals. A well-developed program theory can (and should) also describe the barriers that will be overcome in order to accomplish the goals and clearly describe how the program activities are expected to overcome those barriers. *California Evaluation Framework*, June 2004.

7 The graphical representation of the program theory showing the flow between activities, their outputs, and subsequent short-term, intermediate, and long-term outcomes. *California Evaluation Framework*, June 2004.

## 3. Process Flow Chart

*Provide program or, if applicable, a sub-program process flow chart that describes the administrative and procedural components of the program or sub-program. For example, the flow chart might describe:*

- *How a customer submits an application*
- *How the PA screens the application*
- *The application approval or disapproval process*
- *Verification of purchase or installation*
- *Compensation processing and payment, and*
- *Any quality control activities*

### Process Map

| Process Step | Stakeholder | Residential Directed PO (Synergy Companies) | Residential (TradePro) | Non-Residential (TradePro) | SCE |
|---|---|---|---|---|---|
| Customer Solicitation | Trade Professional | Yes | Yes | Yes | No |
| Project Submission via Trade Ally Connect | Trade Professional | No | No | Yes | No |
| Reservation Review | SCE | No | No | No | Yes |
| Reservation Technical Review | KW Engineering | No | No | No | No |
| Reservation Approval | SCE | No | No | No | Yes |
| Customer Installation | Trade Professional | Yes | Yes | Yes | No |
| Project Installation Submission via Trade Ally Connect | Trade Professional | Yes | Yes | Yes | No |
| Begin 12-Month Performance Period | Trade Professional | Yes | Yes | Yes | No |
| Installation Review | SCE | No | No | No | Yes |
| Installation Technical Review | KW Engineering | No | No | No | No |
| Installation Approval | SCE | No | No | No | Yes |
| Direct Install Payment 1 | Trade Professional | Yes | Yes | No | No |

## 4. Compensation Tables, Measure Packages, Software Tools[8]

*Provide a summary table of measures and compensation levels.*

The following compensation table is applicable for both the Commercial Non-Residential, and Single Family and Residential Manufactured Housing Summer Reliability Program offerings.

| # | Measure | Compensation (Performance Payment 1) | Compensation (Performance Payment 2) | Compensation (Performance Payment 3) |
|---|---|---|---|---|
| 1 | Whole Building | End of 1st trimester:<br>TSB<br>kW Kicker as applicable | End of 2nd trimester:<br>TSB<br>kW Kicker as applicable | End of 3rd trimester:<br>TSB<br>kW Kicker as applicable |

## 5. Quantitative Program Targets

*Provide estimated quantitative information on the number of projects, companies, non-incentive customer services and/or compensation that the program aims to deliver and/or complete annually. Provide references where available.*

Per SCE's approved Advice Letter, during the program years 2022 and 2023, this program endeavors to deliver $57,787,752 in total system benefits, 9.2 MW of energy efficiency during peak hours, and 6.8 MW during net peak hours.

## 6. Diagram of Program

*Please provide a one-page diagram of the program including subprograms. This should visually illustrate the program/sub-program linkages to areas such as:*

- *Statewide and individual IOU marketing and outreach*
- *Workforce Education and Training (WE&T) programs*
- *Emerging Technologies (ET) and Codes and Standards (C&S), and*
- *Integrated efforts across Demand Side Management (DSM) programs.*

Not applicable.

## 7. Evaluation, Measurement, and Verification (EM&V):

*Describe any process evaluation or other evaluation efforts that the program administrator (PA) or program implementer (PI) will undertake to identify the evaluation needs that must be built into the program, clearly identifying who will be responsible for which evaluation activity. These might include:*

- *Data collection strategies embedded in the design of the program or intervention to ensure ease of reporting and near-term feedback, and/or*
- *Internal performance analysis during deployment, and/or*

8 Per D.19-08-009, for fuel substitution measures where the compensation exceeds the Incremental Measure Cost (IMC), the CPUC requires submission of a workpaper addendum using a separate template. Third-party implementers can request the template from their Contract Manager. SCE Program Managers should refer to the E-PPICs Smart Sheet.

- *Performance metrics.*

*All PAs should indicate what coordination and funding, if any, they will provide to support program evaluation.*

There are no plans for implementing a process evaluation for this program. This program employs a detailed M&V strategy as provided in the Measurement and Verification Plan.

## 8. Normalized Metered Energy Consumption (NMEC):

*If NMEC is applicable, please include a detailed Program-level M&V plan, as called for in the most recently updated NMEC Rulebook9. The revised Rulebook includes requirements for Program-level M&V plans to be submitted as part of the Implementation Plan:*

***Population-level NMEC Programs:*** *PAs must submit a program-level M&V Plan for each Population-level NMEC program. For third-party programs, PAs may work with – or task – implementers to develop parts or all of the Program-level M&V Plan. However, the Program-level M&V Plan is still a PA document that PAs will submit directly to the Commission.*

*The program-level M&V Plan must be included in any Implementation Plan filings for the program and must include the information given in Appendix A of the Energy Efficiency Programs Implementation Plan Template Guidance, V2.1, May* 2020*, pp. 12-14.*

SCE's Summer Reliability Program Measurement and Verification Plan will be posted in parallel to the Implementation Plan as a separate document on CEDARS.

9 As of the publication date of this template**,** the most recently updated *NMEC Rulebook* was V2.0 dated Jan. 7, 2020.

# APPENDIX. List of Acronyms and Abbreviations

| Term | Definition |
|---|---|
| **C&S** | Codes & Standards |
| **CALCTP** | California Advanced Lighting Controls Training Program |
| **CEDARS** | California Energy Data and Reporting System |
| **CPUC** | California Public Utilities Commission |
| **DAC** | Disadvantaged Communities |
| **DEER** | Database for Energy Efficient Resources |
| **DSM** | Demand-Side Management |
| **EE** | Energy Efficiency |
| **EE PRG** | Energy Efficiency Procurement Review Group |
| **EM&V** | Evaluation, Measurement & Verification |
| **ET** | Emerging Technologies |
| **EUL** | Effective Useful Life |
| **FSU** | Fractional Savings Uncertainty |
| **HTR** | Hard-to-Reach |
| **HVAC** | Heating, Ventilation, & Air Conditioning |
| **IOU** | Investor-Owned Utility |
| **IP** | Implementation Plan |
| **kW, kWh** | kilowatts, kilowatt-hours |
| **M&V** | Measurement & Verification (or, sometimes, Validation) |
| **NMEC** | Normalized Metered Energy Consumption |
| **PA** | Program Administrator |
| **PAC** | Program Administrator Cost |
| **RFA** | Request for Abstract |
| **RFP** | Request for Proposal |
| **TradePro** | Trade Professional (vendor, implementer) |
| **TRC** | Total Resource Cost |
| **WE&T** | Workforce Education & Training |