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# **SOLUTIONS DIRECTORY**

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## **32nd Edition**

February 2021

# PROVIDING SOLUTIONS

## Solutions Directory Reference Guide

Southern California Edison's Solutions Directory (Directory) is a reference guide that lists eligible equipment (solutions) and qualification criteria for rebates or incentives available to non-residential (business) customers through SCE's Express Solutions and Customized Solutions energy efficiency programs, and the Automated Demand Response Control incentive programs. Refer to this guide as you consider energy management opportunities.

The Online Application Tool (OLT) is a living resource that houses the energy efficiency incentive application submission tool along with project and program supporting documentation, including but not limited to:

- Customized Incentives program
- Express Rebate program
- On-Bill Financing
- Energy Efficiency calculation tools
- Forms and Documents
- BRO (Behavioral, Retrocommissioning, Operational) program (also known as RCx)
- Midstream Point of Purchase Program (MPOP)
- Contractor requirements
- Manuals and Guides

Because the Solutions Directory is updated and published periodically through the year (four updates per year), the OLT's landing page also includes a "What's New" section that should be reviewed for new and updated program information on a regular basis. Please refer to the "What's New" section of SCE's Energy Management Online Application Tool home page ([sceonlineapp.com](https://sceonlineapp.com)), for the most up-to-date program offerings, policy, solutions and qualification criteria. Look to the "What's New" section, to find a companion notification posted to inform you of the most recent publication version of this Solutions Directory. The Solutions Directory to include the Key Updates\ Reminders section, are one of multiple resources which the participant is required to become familiar with and use to insure all required program policies, procedures, terms & conditions are met.

### Benefits

Our solutions provide energy and money saving opportunities through financial rebates or incentives, bill credits, and lower electricity bills that higher-efficiency equipment may bring.

- Through the **Express Solutions, Customized Solutions, and BRO (RCx) programs**, SCE customers receive financial rebates or incentives for replacing old equipment, upgrading to high-efficiency equipment, or commissioning existing equipment. With more energy-efficient equipment, customers also benefit from permanent load reduction energy savings, which could translate into lower electricity bills.
- Through the **On-Bill Financing (OBF) program**, SCE customers may apply for financing qualifying energy efficiency projects for their business. Qualifying customers would repay the loan in monthly installments, which would be added as a line item on their bill. Customers can fund qualified energy efficiency projects at zero interest with no fees, reducing monthly electricity usage, and receiving financial rebates or incentives for installing qualifying energy efficient equipment. Financing is currently available for Express, Customized Solutions, BRO (RCx or Retrocommissioning), and Midstream Point of Purchase programs.
- Through **Midstream Point Of Purchase (MPOP) program**, SCE business customers can qualify to receive an instant rebate on qualified technologies at the point of purchase from a participating distributor, without having to fill out an incentive application or apply through SCE's Online Application Tool.
- Through **Automated Demand Response Control Incentives**, business customers may receive financial incentives for installing equipment that automates electrical load reduction during demand response events. In addition, customers may receive incentives, bill credits, or reduced rates when participating in a Demand Response program(s).

\* Programs are funded by California utility customers and administered by Southern California Edison under the auspices of the California Public Utilities Commission. Programs are offered on a first-come, first-served basis and are effective during the Program cycle or until funding is expended or the program is discontinued by the California Public Utilities Commission. Programs may be modified or terminated without prior notice.

## Customer Eligibility

Energy Management programs are available to the following customers with a valid and active SCE electric service account:

### Businesses

Business customers include commercial, non-profit, industrial, and agricultural businesses.

Note: Properties such as single-family homes, condominiums, apartments, and other residential dwellings are not eligible for Express rebates or Customized Incentives. However, common areas in multi-family properties (such as laundry rooms, recreation rooms, and offices) that are on a qualifying non-residential rate may be eligible.

### Self-generation

Co-generation, wind, solar and other types of self-generation customers may be eligible for Express Rebates and Customized if they purchase electricity from SCE. The amount of the incentive depends upon the amount of the customer's total energy usage that is provided by SCE, versus the cogeneration.

To ensure proper incentive processing, self-generation customers are required to contact their SCE Account Representative or call 1-800-990-7788 for assistance.

## Working Together for Energy Savings

SCE can help you get the most out of every energy saving project. Our expert energy advisors are available to review your operations, energy management goals, operating and capital cost expectations, etc., to help your business develop, integrate, and implement energy efficiency and/or demand response projects to assist your business in meeting its energy and emission reduction goals.

Call 1-800-990-7788 to be directed to an SCE Account Representative for assistance.

## How to Apply

SCE's Online Application Tool ([sceonlineapp.com](https://sceonlineapp.com)) provides a streamlined, step-by-step process that:

- Collects project information and documentation,
- Calculates Energy Savings and Incentives for eligible upgrades, and
- Electronically submits your application for SCE review and approval

Throughout the application process, built-in validations will alert you to any issues, such as missing or invalid information.

All submitted applications require an authorized signature agreeing to Southern California Edison's project submission Terms and Conditions. It is recommended that all parties interested in and participating in SCE's Energy Efficiency and Automated Demand Response programs become acquainted with all program rules, requirements, and obligations. A more comprehensive list of program rules, requirements and obligations is provided in each program manual.

### Program Manuals can be found at:

- Express Solutions, [Click Here](#)
- Customized Solutions, [Click Here](#) for Procedures Manual and Customized Calculated Savings Guidelines
- BRO (RCX), [Click Here](#)
- Automated Demand Response, [Click Here](#)
- California Public Utilities Commission Ex-Ante Database Archive (DEER), [Click Here](#)

Express Solutions, Customized Solutions, and BRO (RCx or Retrocommissioning) are non-residential retrofit and commissioning programs offering financial rebates and incentives to business customers who install qualifying energy-efficient equipment. Installing energy-efficient equipment can help businesses reduce energy consumption and operating expenses. These rebates and incentives are designed to encourage businesses to select and install high efficiency equipment that typically cost more than standard efficiency equipment, but will use less energy to deliver the same level of output or throughput. Retrocommissioning is a non-residential energy efficiency program offering financial incentives to business customers who optimize the energy-efficient operation of existing equipment or systems.

SCE offers rebates and incentives to commercial, industrial, and agricultural business customers for the purchase of qualifying lighting, refrigeration, food service, and other technologies that improve energy efficiency. Qualifying energy-efficient equipment must be purchased new. Used and rebuilt equipment is not eligible for incentives. Leased equipment may be eligible for rebates and incentives if the agreement term is five years or greater.

SCE energy efficiency programs have a limited budget and run from January 1st, through December 31st of each year. Rebates or incentives are paid to qualifying customers on a first-come, first-served basis until the submission deadlines are reached or until funds are no longer available, whichever comes first. First-come, first-served status will be determined by the date the incentive application is submitted through the SCE Energy Management Online Application Tool at [sceonlineapp.com](https://sceonlineapp.com). Measure rules and rebates or incentives may change with little or no notice, including suspension or expiration of a measure. Please refer to the SCE Energy Management Online Application Tool for current information on available measures, rebates or incentives, and qualifying criteria.

Statewide Energy Efficiency Program Manuals for the Customized Solutions and Express Solutions programs provide an overview of program rules and policies. Prior to submitting an application for rebates and incentives, applicants are required to understand and agree to:

- How the programs work
- The basic process
- Eligibility for participation
- Qualifying Energy Efficiency measures
- Measure cost
- Incentive and Rebate limits
- Application and supporting documentation requirements
- Application approval, and rebates or incentive payment processing, and
- Other terms and conditions

A complete list of energy efficiency program rules and requirements for Customers and Trade Professionals are available in the Statewide manuals on the [SCE Energy Management Online Application Tool](#).

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# KEY UPDATES\ REMINDERS

**KEY UPDATES\ REMINDERS** Southern California Edison has made a number of program changes. Please thoroughly review this Directory in its entirety, prior to ordering equipment or beginning work on any energy efficiency project. This section is intended to highlight some of the recent updates and provide important reminders. It does not necessarily list all changes or details, please see our OLT What's New, and other available Program resources for additional information.

## Regulatory

- Note that Tax Form CA590/587 is:
  - Not required if the incentive/rebate is being paid to the SCE Customer of record (on the bill)
  - Is required when a TradePro/Vendor/Authorized Agent who is providing a Service to the SCE Customer of record is receiving the rebate/incentive on behalf of the Customer
- Senate Bill 1414 requirements apply, when paying any rebate or incentive to customers or contractors for purchase or installation of central air conditioning, heat pumps, and their related fans. All HVAC projects with impacted measures, must submit proof of permit closure prior to Southern California Edison making payment. For impacted measure list and more information on Heating, Ventilation and Air Conditioning (HVAC) Permit Closure Requirements, visit [sceonlineapp.com](https://sceonlineapp.com) > What's New page, or contact your SCE Representative.
- Workforce Requirements apply for Express, Customized, & BRO - for HVAC and Lighting Measures, for more information visit [sceonlineapp.com](https://sceonlineapp.com) > What's New page, or contact your SCE Representative.

## Express Solutions (Deemed) Rebate Program

- Please note some Express Solution measures may have been retired, have had rebates updated, and/or have updated eligibility criteria. This Solutions Directory is revised as frequently as possible, but in-between updates you can find the latest solutions and qualification criteria on the "What's New" section of SCE's Energy Management Online Application Tool home page ([sceonlineapp.com](https://sceonlineapp.com)). Some recent updates include the following.
- Ultra-Low Temperature (ULT) Freezer Incentives rebates have been increased, at this time only available through end of Q1 2021. Additional communication will be issued, if availability happens to be extended. See REFRIGERATION/ ULTRA LOW TEMPERATURE(ULT) FREEZER, for more information.
- New commercial High Performance Conveyor Toaster solution code has been introduced, see FOOD SERVICE/ Commercial Conveyor Toaster, for more information.

# KEY UPDATES\ REMINDERS

## Customized/BRO Solutions/NMEC (Calculated) Incentive Programs

- Please note some Customized and BRO (RCx) energy efficiency solutions may have been added, retired, and/or have updated eligibility criteria. This Solutions Directory is revised as frequently as possible, but in-between updates you can find the latest solutions and qualification criteria on the "What's New" section of SCE's Energy Management Online Application Tool home page ([sceonlineapp.com](http://sceonlineapp.com)). Some recent updates include the following.
- New Cooling tower physical water treatment system solution code has been introduced, see HVAC/ COOLING TOWER, for more information.
- New Pump controls solution code has been introduced, see PUMPING/ PUMPING CONTROLS, for more information.
- New Wastewater membrane bio reactor pulse aeration solution code has been introduced, see PROCESS/ PROCESS SYSTEMS, for more information.
- New Agricultural onsite wastewater treatment management system solution code has been introduced, see PROCESS/ PROCESS SYSTEMS, for more information.
- New Low global warming potential high efficiency process chiller solution code has been introduced, see PROCESS/ CHILLER, for more information.
- New Wastewater chemically enhanced primary treatment/sedimentation solution code has been introduced, see PROCESS/ PROCESS SYSTEMS, for more information.
- New Non-buoyant oxygen infusion treatment solution code has been introduced, see PROCESS/ PROCESS SYSTEMS, for more information.
- New Industrial process cooling tower solution code has been introduced, see PROCESS/ VARIABLE SPEED DRIVES AND CONTROLS, for more information.
- Reminder as of 4/1/2020, Customers and Trade Professionals cannot submit Custom, BRO, and Commercial NMEC applications directly onto the Online Application Tool website (OLT). Applications must be submitted to SCE's COE department. When ready with all required information, please send an email to [bcdcoeapplication@sce.com](mailto:bcdcoeapplication@sce.com), or call 866-635-6015. Please include a contact phone number in the email, so an SCE representative can reach out to you to discuss the project, and then submit the application on your behalf.
- All Customized and BRO (RCx) projects must submit SCE's Early Screening Document (ESD).
  - The Early Screening Document process is to evaluate and provide feedback on project eligibility before a formal application is submitted. This will help avoid undo time spent developing projects that may not qualify for utility incentives, and help to manage customer expectations. The process focuses on identifying major deficiencies ("showstoppers"), that will significantly impact project incentive potential eligibility, and SCE Energy Efficiency (EE) Program's ability to claim savings with the CPUC. It is also an early screener for eligible (qualifying) influence on a measure level.
  - The ESD should be completed as early in the measure recommendation process as possible. The goal is to verify measure eligibility when a vendor or customer have developed energy efficiency opportunities, and prior to committing any resources.
  - Eligibility for any incentive and measure is based on the date the application and/or Installation Report (IR) is received by SCE.
  - For more information, please review the Early Screen Document Training Video located on the Customized Solutions tab (<https://www.sceonlineapp.com/CustomizedSolutions.aspx>) on the left side of this tool.
  - Please go to the Online Application Tool (OLT) ([www.sceonlineapp.com](http://www.sceonlineapp.com)), download the Early Screening Document found on the Customized Solutions tab.

# KEY UPDATES\ REMINDERS

- SCE's Calculated (Customized, RCx/BRO), Public Sector and Third Party programs have a simple payback threshold requirement that a project's Effective Useful Life (EUL), must be greater than the simple payback. This means that a project's EUL must be greater than the simple payback of the project. More information is available on the Customized Solutions tab on the SCE [Online Application Tool](#).
- Remember to use the Customized Incentives Remaining Useful Life Guidance Document job aid. This job aid was developed to assist in identifying and developing projects where the existing equipment or systems may or may not have Remaining Useful Life. The information referenced in this document should be supplied with the SCE [Early Screening Document](#) (ESD) that precedes the application for energy efficiency incentive (available on the [Manuals and Guides](#) tab of the SCE [Online Application Tool](#)).
- Information on Installation Type Definitions for To-Standard Practice (previously known as below-code) and above-code measures, can be found in our Customized Calculated Savings Guidelines, available on the [Manuals and Guides](#) tab of the SCE [Online Application Tool](#).
- A Project Feasibility Study (PFS) is required for all projects in the Calculated (Customized/RCx), Third-Party and Public Sector programs. The use of these documents is also required for Trade Professionals (formerly known as CAA or vendor) and Regional Energy Networks (REN). All affected programs utilize the Project Feasibility Study..
- An Influence Job Aid is available on the OLT under the Manuals and Guides, and Forms tabs. The Influence Job Aid must be used to determine the appropriate level of influence documentation to include with each project (in the PFS) and in doing so, better able to match the level of project review rigor to the size and scope of the project. All calculated projects are pre-screened for influence by SCE. Projects that are determined to have supplied an insufficient form of project influence will be declined.
- Customers applying for incentives through the Customized (calculated) Solutions program are not eligible for those incentives if the measure(s) being installed or have had a corresponding Express or Midstream Point of Purchase (MPOP) solution. Per SCE policy, once a measure has been moved to the Express or MPOP program, qualifying measures are only eligible through that program. When a measure is discontinued from the Express or MPOP program, that measure is no longer eligible for incentives.
- The Customized and Express Energy Efficiency programs have a \$400 fee if a project requires either re-processing or re-inspection.
  - To ensure a successful project post-installation verification, and to avoid the \$400 reprocessing and/or \$400 re-inspection fee, it is strongly recommended that the customer project lead ensure the completeness and accuracy of the application and supporting documentation, and the complete installation and commissioning of all equipment. It is also recommended if a Trade Professional completed the installation, they attend any post-installation.
- Inspections.
  - Customers will be notified when an inspection is being scheduled. Trade Professional notification by SCE is a courtesy and is not required.
  - SCE will not authorize more than one site re-inspection or application re-review. If a customer or Trade Professional resubmits a previously rejected application, the second inspection will be considered final and resubmittal of the rebate/incentive application will not be accepted.

## **Midstream Point of Purchase (MPOP) Program**

The MPOP Program is now active and eligible for On Bill Financing.

There are existing distributors approved for the program, and eligible to provide incentives to customers.

Additional distributors will be added to the program as they are approved.

### **Products offered in MPOP:**

- Type A LED tubes
- Type B LED tubes
- Type C LED tubes
- LED high/low bays

Please note: If the customer would like an incentive on B or C tubes, Customers must fill out the LED B and C Tube Template prior to purchasing product. See product requirements for more details.

See the MPOP Landing Page tab on the OLT for list of distributors, incentive amounts, and product requirements. <https://www.sceonlineapp.com/MidstreamPOP.aspx>

- Distributors must submit sales data to SCE through the Online Application Tool. If the product is not installed or the sales data is not received by the program deadlines, SCE will not issue an incentive. For the latest MPOP information and requirements, please go to: [sceonlineapp.com/midstreampop.aspx](https://www.sceonlineapp.com/midstreampop.aspx).



## On Bill Financing (OBF) Program

- The On-Bill Financing (OBF) Application and Site Specific Savings Form have had updates made to be more user friendly and streamlined, changes do not include any programmatic or procedural impacts. The revised forms have been updated on the OLT .
- Reminder to OBF Participant to access additional information and requirements, by clicking [here](#).
- Reminder the On-Bill Financing Program is continuing to allow use of electronic signatures for loan agreements through the use of DocuSign. The Customer, TradePro, and SCE Stakeholders will receive an email from DocuSign System. This program eliminates the prior notary acknowledgement requirement. It is requested that the customer complete the document DocuSign review and signature process in a timely manner as it will expire after 90 days. For additional information, to include sample DocuSign email, go to the April 17, 2020 OBF What's New posting on OLT.

## Automated Demand Response Control Incentive Program/s

- For any questions on this or other Auto-DR inquiries, you may contact your assigned SCE Account Representatives or the Auto-DR Help Desk at (866) 238-3605.

## Trade Professionals

- For your convenience, the latest TradePro Agreement, along with other related requirements can be found under the "[Trade Professionals](#)" section, on SCE's Energy Management Online Application Tool website (OLT).
- The Trade Professional Program Participant List, is located on the SCE Energy Management Online Application Tool (OLT). It can be found under the Contractor/ Trade Professional List [tab](#).
  - If you wish to be added to the Participation List, please complete the related section in the TradePro Agreement form, and submit back to [TradeProSupport@sce.com](mailto:TradeProSupport@sce.com). *New Trade Professional Program Participant List updates are made periodically, and not at point of individual request submissions. The Trade Professional Program Participant List consists of only SCE-registered Trade Professionals that have opted to be listed, have completed all required training, and are in good standing with SCE Programs.*
- Vendors with questions or who are interested in becoming an SCE Trade Professional, please contact SCE Trade Professional support at, [TradeProSupport@sce.com](mailto:TradeProSupport@sce.com).
- **Workforce Requirements** - The California Public Utilities Commission (CPUC) issued Decision 18-10-008 (October 11, 2018), which addressed workforce requirement standards that must be applied by all investor owned utility program administrators (PAs). The workforce standards are required to be in place for "non-third party or other new or pre-existing programs" by July 1, 2019. The workforce standards are being applied to all non-residential projects involving heating, ventilation and air conditioning (HVAC) systems, and lighting controls.

Installation technicians used to install, modify, or provide maintenance on any heating, ventilation, and air conditioning (HVAC) project are required to meet **one or more** of the following (four) workforce requirements **prior to initiation** of work.

1. Complete a California or Federally accredited HVAC apprenticeship.
2. Be enrolled in a California or Federally accredited HVAC apprenticeship.
3. Have completed at least five years of work experience at the journey level as defined by the California Department of Industrial Relations and passed a practical and written HVAC system installation competency test, and received credentialed training specific to the installation of the technology being installed.
4. Have a C-20 HVAC Contractors License from the California State Contractor's Licensing Board.

-Installation technicians used to install, modify, or provide maintenance on any lighting controls project must meet the following requirement **prior to initiation** of work. Received certification through successful completion of the California Advanced Lighting Controls Training Program (CALCTP).

Please note, the aforementioned HVAC and Lighting requirements apply to each individual that performs the work, not to the contracting firm itself.

During the application process, Customers will have to certify that the requirements have been met for the applicable measures (projects). SCE's incentive application forms and the Online Application Tool will be updated so Customers can self-certify that the workforce requirements are being met. Impacted Energy Efficiency measures have been flagged in SCE's Online Application Tool ([sceonlineapp.com](http://sceonlineapp.com)) as part of the application process, which will account for certification prior to rebates or incentives being paid. For more information, please contact your assigned SCE account representative.

# APPLY

## EXPRESS SOLUTIONS

**What is the Express Program?** Express Solutions offer companies a quick way to receive a rebate for qualifying Energy Efficiency equipment only. These projects are associated with a variety of standard or high-volume equipment or technology such as typical lighting, HVAC and food service improvement projects. Rebates are paid on the installed measures on a per-unit basis (e.g., lamp, fixture, horsepower, etc.).

Rebate information for qualifying equipment is located on the following pages.<sup>1</sup>

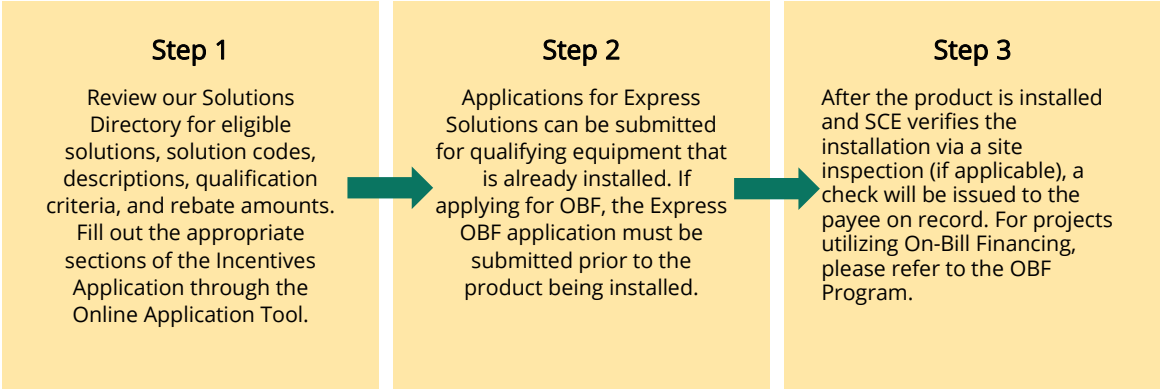
**How do I qualify for an Express Solution?** Express Solutions eligibility requirements are located in the Appendix, and online at [sce.com/express\\_solutions](https://www.sce.com/express_solutions).

Answers should be “Yes” to every applicable question in an Express Solutions category to be eligible for that rebate. If the answer to any applicable question is “No”, that measure may be eligible as a Customized Solution.

Please contact your SCE Account Representative. If you do not know who your SCE Account Representative is, please call 1-800-990-7788.

**How do I apply for an Express Solution?** Use the diagram below to help guide you through the process. Express rebates do not require a pre-installation inspection of existing equipment unless it is deemed necessary by the Program Manager. Projects qualifying for more than \$5,000 in rebates, or sites that have received a rebate in the past for similar equipment, will require a post-installation inspection of the new equipment. Projects under \$5,000 will be subject to a random post-installation inspection.

<sup>1</sup> SCE pays up to 100% of the individual equipment cost for qualifying standard equipment. A complete list of terms and conditions is available in the Appendix.



## CUSTOMIZED SOLUTIONS

### What is the Customized Energy Efficiency Program?

Customized Solutions are for all other eligible solutions or technologies that are not part of the Express Solutions program or other deemed offerings. Incentives are paid on a project-by-project basis on actual energy savings, not to exceed 50% of the total project cost (labor, material and equipment — based upon fixed incentive rates for actual energy (kWh) and peak demand (kW) savings).

Measure and incentive information is located in the tables on the following pages.

### How do I qualify for Customized Incentives?

Customized Solutions eligibility requirements are located in the Appendix, and online at [sceonlineapp.com](http://sceonlineapp.com). Customers applying for incentives through the Customized (calculated) Solutions program are not eligible for incentives if the measure(s) being installed has a corresponding Express or Midstream Point of Purchase (MPOP) solution. Once a measure has been moved to the Express or Midstream program, qualifying measures are only eligible through that program, and all measure requirements must be met to be eligible.

Please contact your SCE Account Representative. If you do not know who your SCE Account Representative is, please call 1-800-990-7788.

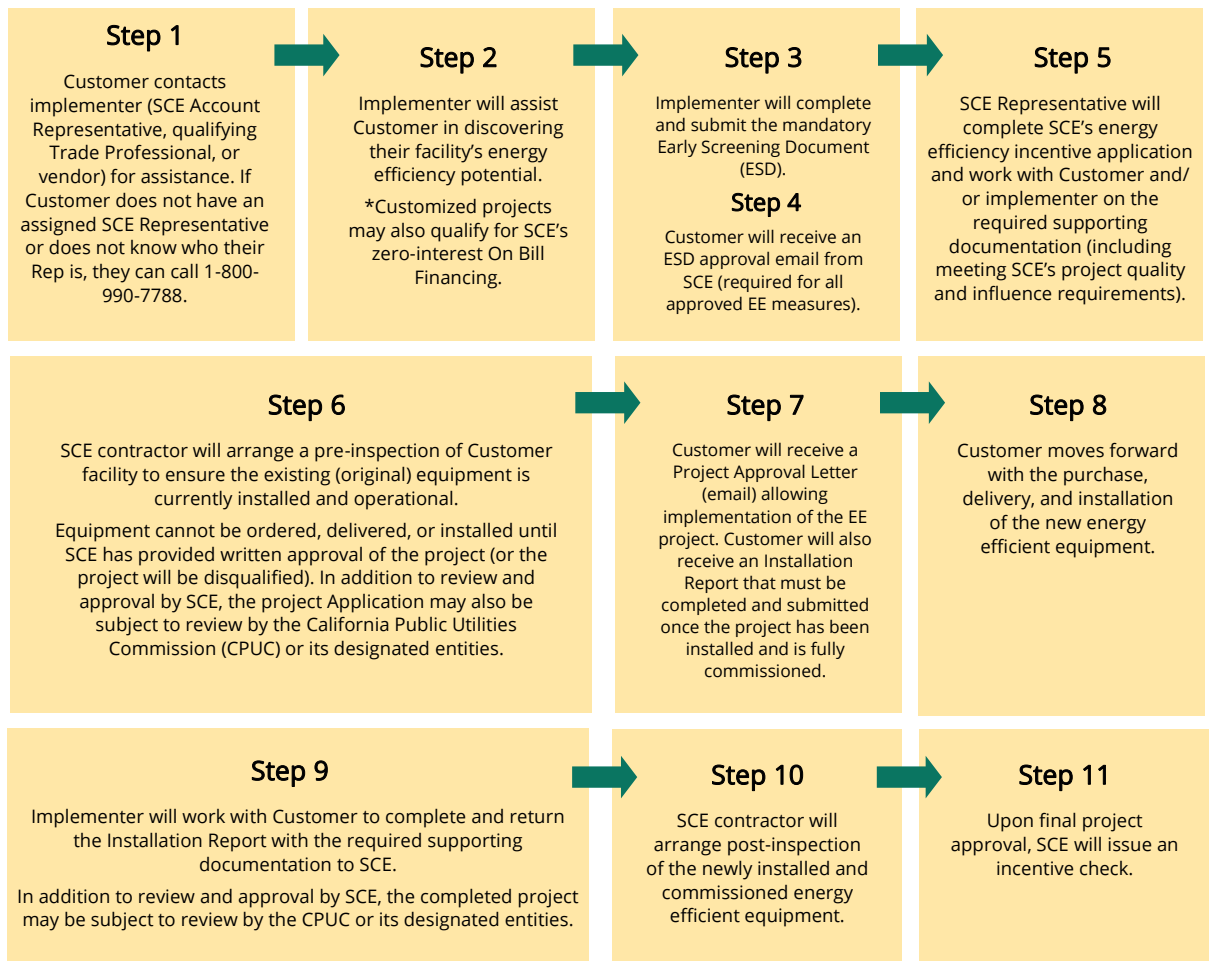
### How do I apply for a Customized Incentive?

Use the diagram below to help guide you through the process.

For most solutions, the Online Application Tool on [sceonlineapp.com](http://sceonlineapp.com) can be used to calculate energy savings.

Actual energy and demand savings are calculated on a project-by-project basis. Pre- and post-inspections are required, and monitoring and verification of installed equipment may be required.

For additional information, please review the customized and RCx Solutions Overview video at: [sceonlineapp.com](http://sceonlineapp.com).



## ENERGY EFFICIENCY Incentives

# LIGHTING

## INDOOR HORTICULTURE

Utilizes electric (also known as artificial) lighting systems that have the ability to generate specific and tunable wavelengths to generate plant growth and development.

The baseline and measure horticultural lighting systems shall provide a comparable level of service, and the energy use of the baseline solution must be adjusted to provide a comparable service as the EE measures. SCE utilizes a **Photosynthetic Photon Flux Density (PPFD) calculation methodology** as a quantitative measurement of light output and a metric to evaluate a level of service, and PPFD shall be held constant between the baseline and proposed horticultural lighting systems to calculate the energy savings (this calculation approach aligns with the ISP review report issued on 01.03.19. This report outlines that PPFD and PPF are two metrics that have emerged as industry-accepted measurements of horticulture lighting output).

Please review and utilize the calculation requirements that are on the Southern California Edison Indoor Horticulture Measure Eligibility and Calculations Methodology Guidance Document on the [Manuals and Guides](#) tab on the SCE Online Application tool ([sceonlineapp.com](https://sceonlineapp.com)). This document provides guidance on measure policy and requirements for indoor horticultural lighting energy savings eligibility. This document is not a guarantee of project acceptance or incentive approval.

### Customized Solution Qualifying Questions

**YES** The answer should be "Yes" to every applicable question for all measures to be eligible.

- Is this an indoor horticultural lighting product?
- Is this a process measure where lighting is utilized in the production (growth) of the crop?
- Does the installation have a minimum efficacy threshold for Photon efficacy of 1.8  $\mu\text{mol/J}$ ?

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR LED	INCENTIVE	
		\$/kWh	\$/kWt
PR-20825	Indoor Horticulture Lighting (Process Only) - normal replacement <sup>1,2,3,4</sup>	\$0.12	\$150

<sup>1</sup> Once the DesignLights Consortium (DLC) completes a special-purpose Horticultural Lighting Qualified Product List (QPL), all equipment will have to be on the DLC QPL.

<sup>2</sup> Products that are lamps, light engines, or identified as retrofit kits intended to replace the light sources or other structures within an existing fixture, are not eligible.

<sup>3</sup> Fixtures that incorporate light sources other than LED, whether as sole-source or as LED-hybrid fixtures, are not eligible.

<sup>4</sup> For information on New Construction Indoor Horticulture Lighting Project solutions, please go to: [savingsbydesign.com](https://savingsbydesign.com)

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# ENERGY EFFICIENCY Incentives

## FOOD SERVICE

### Cooking Equipment

New energy-efficient cooking and cooking process equipment.

For a list of qualifying Food Service products, visit the California Energy Wise website at <https://caenergywise.com/rebates/>

- All incentives apply toward the purchase of new or replacement energy efficient equipment, unless otherwise specified
- Used or rebuilt equipment is not eligible
- Customers must provide proof that the appliances meet the specific energy-efficiency specifications below
- Installation address must have a commercial electric account with SCE

#### ON-DEMAND COMMERCIAL ELECTRIC HAND WRAP MACHINE

An on-demand commercial electric hand wrap machine is similar to a conventional one, but it has a more powerful heating platform which is switched on/off by a controller.

##### Eligibility requirements and limitations

- Measure case hand wrap machines must use either mechanical or optical control system (sensor) to activate the largest heating element.
- All Climate zones are eligible.
- Grocery, Food Store, and Misc. Commercial building types are eligible.
- The hand wrapper must be an on-demand machine replacing an always-on hand wrap machine.
- Countertop and standalone hand wrap machines are eligible.
- Is the on-demand commercial electric hand wrap machine on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

##### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HAND WRAP MACHINE	REBATE
		\$/unit of measure
FS-77566	Commercial hand wrap machine	\$125.00/unit.

# ENERGY EFFICIENCY Incentives

## COOKING EQUIPMENT, CONTINUED

### GAS CONVEYOR CHARBROILER

#### Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR CONVEYOR CHARBROILER	INCENTIVE	
		\$/kWh	\$/kW†
PR-34466	Radiant heat recovery gas conveyer charbroiler with electric resistance heating	\$0.12	\$150

### COMMERCIAL CONVEYOR TOASTER

#### Express Solution Qualifying Questions Eligibility Requirements and Limitations.

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial conveyor toaster on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL CONVEYOR TOASTER	REBATE
		\$/unit of measure
FS-21945	High Performance Conveyor Toaster, Commercial	\$500.00/unit.

### COMMERCIAL ELECTRIC GRIDDLES

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial electric griddle on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ELECTRIC GRIDDLES	REBATE
		\$/unit of measure
FS-61445	Efficient, Commercial Griddle, Electric	\$150.00/linear ft.

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

COOKING EQUIPMENT, CONTINUED

## COMMERCIAL ELECTRIC COMBINATION OVENS

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial electric combination oven on the California Energy Wise QPL list?  
<https://caenergywise.com/rebates/>

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ELECTRIC COMBINATION OVENS	REBATE
		\$/unit of measure
FS-14121	Cooking efficiency ≥ 70% (Convection), ≥ 50% (Steam) Com Combi < 15 pans oven	\$2,000.00/unit.
FS-20134	Cooking efficiency ≥ 70% (Convection), ≥ 50% (Steam) Com Combi 15 to 28 pans oven	\$2,200.00/unit.
FS-30956	Cooking efficiency ≥ 70% (Convection), ≥ 50% (Steam) Com Combi > 28 pans oven	\$3,500.00/unit.

## COMMERCIAL ELECTRIC CONVECTION OVENS

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial electric convection oven on the California Energy Wise QPL list?  
<https://caenergywise.com/rebates/>

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ELECTRIC CONVECTION OVENS	REBATE
		\$/unit of measure
FS-68320	Half-size convection oven	\$350.00/unit.
FS-59869	≤ 5 Pans Full-Size Convection Oven	\$750.00/unit.

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# ENERGY EFFICIENCY Incentives

## COOKING EQUIPMENT, CONTINUED

### COMMERCIAL ELECTRIC FRYERS

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial electric fryer on the California Energy Wise QPL list?  
<https://caenergywise.com/rebates/>

Note: Multiple vat configurations are paid per qualifying vat.

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ELECTRIC FRYERS	REBATE
		\$/unit of measure
FS-57892	Commercial Electric Fryer: Cooking Efficiency $\geq$ 80%	\$650.00/vat

### COMMERCIAL ELECTRIC STEAM COOKER

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial electric steam cooker on the California Energy Wise QPL list?  
<https://caenergywise.com/rebates/>

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ELECTRIC STEAM COOKER	REBATE
		\$/unit of measure
FS-38502	High efficiency commercial electric steam cooker	\$1,850.00/steamer

### COMMERCIAL ELECTRIC DECK OVENS

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial deck oven on the California Energy Wise QPL list?  
<https://caenergywise.com/rebates/>

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL DECK OVEN	REBATE
		\$/unit of measure
FS-70944	Efficient, Commercial Deck Oven	\$1,250.00/unit.

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# ENERGY EFFICIENCY Incentives

## HOLDING CABINETS

An electric food holding cabinet that is fully insulated on all sides and has solid insulated doors.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the equipment an electric hot food holding cabinet that is fully insulated on all sides and has solid or transparent doors designed to maintain the temperature of the hot food that has been cooked using a separate appliance?
- Is the holding cabinet on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

Note: “Cook & Hold” equipment does not qualify for rebate.

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HOLDING CABINETS	REBATE	
		\$/unit of measure	
FS-20224	Insulated Standard, Commercial Hot Food Holding Cabinet, Full, Electric	\$750.00/unit	
FS-31559	Insulated Standard, Commercial Hot Food Holding Cabinet, Half, Electric	\$200.00/unit	

### Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HOLDING EQUIPMENT	INCENTIVE	
		\$/kWh	\$/kWt
FS-19589	Foodservice high density holding cabinet	\$0.12	\$150
FS-94354	Replace water-based holding wells with induction holding wells	\$0.12	\$150

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## COMMERCIAL ICE MACHINES

An air-cooled ice machine that makes cubed (less than or equal to 60 grams), flaked, crushed, or fragmented ice.

Note: Commercial ice machines must be tested in accordance with the Air-Conditioning and Refrigeration Institute (AHRI) Standard 810. Visit <http://ahrinet.org/> for product information and testing procedures.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the machine air-cooled (self-contained, ice-making heads, or remote-condensing)?
- If proposed equipment is a remote machine, will the qualifying unit be purchased with remote condenser/compressor unit?
- Is the commercial ice machine on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL ICE MACHINES	REBATE
		\$/unit of measure
FS-20160	Self-Contained Unit (SCU) up to 109 lbs. per day ice machine	\$50.00/unit
FS-20161	Self-Contained Unit (SCU) 110 to 199 lbs. per day ice machine	\$75.00/unit
FS-20162	Self-Contained Unit (SCU) 200 to 4,000 lbs. per day ice machine	\$100.00/unit
FS-20163	Ice Maker Head Unit (IMH) up to 299 lbs per day ice machine	\$75.00/unit
FS-20164	Ice Maker Head Unit (IMH) 300 to 799 lbs per day ice machine	\$125.00/unit
FS-20165	Ice Maker Head Unit (IMH) 800 to 1,499 lbs per day ice machine	\$200.00/unit
FS-20166	Ice Maker Head Unit (IMH) 1,500 to 4,000 lbs per day ice machine	\$300.00/unit
FS-20167	Remote Condensing Unit (RCU) up to 987 lbs. per day ice machine	\$200.00/unit
FS-20168	Remote Condensing Unit (RCU) 988 to 4,000 lbs. per day ice machine	\$300.00/unit

# ENERGY EFFICIENCY Incentives

## COMMERCIAL REACH-IN REFRIGERATORS OR FREEZERS

A reach-in refrigerated space consisting of panels made with inner and outer metal skins, an insulation core, and equipped with a cam-action closing device.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the commercial refrigerator and/or freezer on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

Note: Refrigeration Cases with remote refrigeration do not qualify.

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR REACH-IN REFRIGERATORS OR FREEZERS	REBATE
		\$/unit of measure
FS-13121	< 15 cubic feet Solid-Door Reach-In Refrigerator	\$45.00/unit
FS-42962	15 - 29 cubic feet Solid-Door Reach-In Refrigerator	\$60.00/unit
FS-93044	30 - 49 cubic feet Solid-Door Reach-In Refrigerator	\$85.00/unit
FS-31425	≥ 50 cubic feet Solid-Door Reach-In Refrigerator	\$120.00/unit
FS-21276	< 15 cubic feet Solid-Door Reach-In Freezer	\$75.00/unit
FS-61432	15 - 29 cubic feet Solid-Door Reach-In Freezer	\$100.00/unit
FS-86848	30 - 49 cubic feet Solid-Door Reach-In Freezer	\$160.00/unit
FS-54809	≥ 50 cubic feet Solid-Door Reach-In Freezer	\$350.00/unit
FS-77373	< 15 cubic feet Glass-Door Reach-In Refrigerator	\$30.00/unit
FS-28291	15 - 29 cubic feet Glass-Door Reach-In Refrigerator	\$60.00/unit
FS-68882	30 - 49 cubic feet Glass-Door Reach-In Refrigerator	\$80.00/unit
FS-44686	>50 cubic feet Glass-Door Reach-In Refrigerator	\$100.00/unit
FS-16170	< 15 cubic feet Glass-Door Reach-In Freezer	\$60.00/unit
FS-38598	15 - 29 cubic feet Glass-Door Reach-In Freezer	\$125.00/unit
FS-58112	30-49 cubic feet Glass-Door Reach-In Freezer	\$275.00/unit
FS-30794	≥ 50 cubic feet Glass-Door Reach-In Freezer	\$515.00/unit

# REFRIGERATION

**AUTO-CLOSERS** A device that is added to an existing walk-in refrigerated space consisting of panels made with inner and outer metal skins, an insulation core, and equipped with a cam-action closing device.

**AUTO-CLOSERS FOR MAIN COOLER OR MAIN FREEZER DOORS**

Auto-closers installed on walk-in cooler or freezer doors that firmly close the door when it is within one inch of full closure.

**Express Solution Qualifying Questions**

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Will the auto-closer be applied to the main insulated opaque door(s) of an existing walk-in cooler or freezer?
- Will the auto-closer be able to firmly close that door when it is within one inch of full closure?
- Is the auto-closer being installed on an existing walk-in cooler or freezer manufactured before January 1, 2009?

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR AUTO-CLOSERS	REBATE	
		\$/unit of measure	
RF-16925	Main Walk-In Cooler Door with Auto Closer <sup>1,2</sup>	\$75.00/unit.	
RF-32156	Main Walk-In Freezer Door with Auto Closer <sup>1,2</sup>	\$75.00/unit.	

**Customized Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR AUTO-CLOSERS	INCENTIVE	
		\$/kWh	\$/kWt
RF-16294	High-speed cold storage doors	\$0.12	\$150
RF-67581	Low temperature reach-in door - anti fog film - add-on equipment	\$0.12	\$150
RF-19805	Rapid close doors for coolers - add-on equipment	\$0.12	\$150
RF-19811	Rapid close doors for freezers - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

<sup>1</sup> New equipment with doors are not eligible for rebate.

<sup>2</sup>The Freezer or Walk-in Refrigerator measure Door cannot be nested within a secondary Freezer or Walk-in Refrigerator, it must open directly into primary building space.

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## DISPLAY CASES

### ADD DOORS TO OPEN MEDIUM TEMPERATURE CASES

Retrofit glass doors onto medium-temperature, open-vertical, refrigerated display cases (also known as open multideck cases).

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Must add glass doors to an existing open-vertical, medium-temperature display case. Completely removing existing display cases and replacing them with new cases with glass doors is not eligible.
- Existing night covers must be removed during the retrofit.
- Total lighting power in the case after the retrofit may not exceed total lighting power in the existing case.
- No anti-sweat heaters may be present in the glass doors or door mounting.

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR REACH-IN DISPLAY CASES	REBATE	
		\$/unit of measure	
RF-21067	Add glass doors to medium temperature open vertical display cases: open w/ night covers to closed	\$38.00/linear ft.	
RF-21068	Add glass doors to medium temperature open vertical display cases w/ night covers: open to closed with new LED	\$38.00/linear ft.	

#### Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR AUTO-CLOSERS	INCENTIVE	
		\$/kWh	\$/kW†
RF-19806	Refrigerated case doors - add-on equipment	\$0.12	\$150
RF-12524	High efficiency refrigerated display case	\$0.12	\$150

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† . kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## ULTRA LOW TEMPERATURE (ULT) FREEZER

Freezers primarily used in labs at universities, biotech companies, biopharmaceutical companies, hospitals and medical testing centers to store samples at temperatures between -70°C and -80°C (-94°F and -112°F)

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the ULT Freezer unit an upright unit?
- Is the ULT freezer designed for laboratory application capable of maintaining set point storage temperatures between -70°C and -80°C (-94°F and -112°F)?
- Does the Ultra Low Temperature Freezer have ENERGY STAR® certification, or is the maximum daily energy consumption (MDEC) of an ULT freezer at -75°C (-103°F) 0.55 kWh/day/ft<sup>3</sup>?

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR ULTRA LOW TEMPERATURE FREEZERS	REBATE
		\$/unit of measure
RF-20126	High Efficiency Ultra-Low Temperature (ULT, -80 °C) Freezers, 15 to <24 cubic ft.	\$1,000.00/unit
RF-20127	High Efficiency Ultra-Low Temperature (ULT, -80 °C) Freezers, 24 to 29 cubic ft.	\$1,300.00/unit

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# ENERGY EFFICIENCY Incentives

## INSULATION

The process or materials used to reduce the rate of heat transfer and help maintain a uniform temperature.

### INSULATION FOR BARE SUCTION LINES

Bare suction lines insulated with closed-cell nitrile rubber or equivalent with at least 3/4 inch for medium-temperature and 1 inch for low-temperature systems. The suction line must be no more than 1 5/8 inch in diameter.

#### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Does the retrofit involve insulating bare refrigeration suction lines of 1 5/8 inch or less on existing equipment only? Only sections of piping located outside of the refrigerated space are eligible for this incentive.
- If insulating medium-temperature lines, will 3/4 inch of flexible closed-cell nitrile rubber or equivalent insulation be used? Insulation R-values must be R-3.2 or greater. Medium temperature lines supply spaces above 32 degrees Fahrenheit.
- If insulating low-temperature lines, will 1 inch of flexible closed-cell nitrile rubber or equivalent insulation be used? Insulation R-values must be R-4.3 or greater. Low temperature lines supply spaces below 32 degrees Fahrenheit.
- Has the length of the insulated material been properly measured? Incentive is based on the length, in linear feet, of the insulation installed?

Note: Measurement dimensions must be cited on invoice or supporting documentation.

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR INSULATION	REBATE	
		\$/unit of measure	
RF-82221	Walk-in cooler suction line insulation	\$2.00/linear ft.	
RF-46935	Walk-in freezer suction line insulation	\$2.00/linear ft.	

#### Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR INSULATION	INCENTIVE	
		\$/kWh	\$/kW†
RF-79698	Insulating refrigeration lines - add-on equipment <sup>1</sup>	\$0.12	\$150
RF-20654	Insulating storage tanks - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

<sup>1</sup> Bare suction lines are not eligible.

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## REFRIGERATION CONDENSER

A series or network of tubes filled with refrigerant that removes heat from the hot, gaseous refrigerant so that the refrigerant becomes liquid again.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR CONDENSER	INCENTIVE	
		\$/kWh	\$/kWt
RF-49983	Efficient refrigeration condensing unit	\$0.12	\$150
RF-90876	Oversized air cooled condenser - accelerated replacement	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

## REFRIGERATION COMPRESSOR

An electromechanical device used in refrigeration and cooling systems to compress vaporized refrigerant.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMPRESSOR	INCENTIVE	
		\$/kWh	\$/kWt
RF-65700	Efficient refrigeration compressors - add-on equipment <sup>1</sup>	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

## REFRIGERATION CURTAINS

An device used on refrigerated spaces to hold cold air in and warm out.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR CURTAINS	INCENTIVE	
		\$/kWh	\$/kWt
RF-86746	Air curtains - normal replacement	\$0.12	\$150
RF-19804	Strip curtains for walk-in boxes - low temp - add-on equipment	\$0.12	\$150
RF-19809	Strip curtains for walk-in boxes - med temp - add-on equipment	\$0.12	\$150
RF-94321	Night curtains - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

<sup>1</sup> Only eligible as add-on retrofit (AOE) (i.e. the project does not trigger Title 24 2019 compliance).

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.



# ENERGY EFFICIENCY Incentives

## REFRIGERATION SYSTEMS

Other components or equipment that remove heat from an enclosed space or substance, for the primary purpose of lowering the temperature of the enclosed space or substance and maintaining the lower temperature.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SYSTEMS	INCENTIVE	
		\$/kWh	\$/kWt
RF-79158	Low charge ammonia - accelerated replacement <sup>1</sup>	\$0.12	\$150
RF-20293	Low GWP refrigerant replacements for refrigeration - normal	\$0.12	\$150
RF-38743	Single system to multiplex/parallel system conversion	\$0.12	\$150
RF-78143	Refrigeration system retrofits - accelerated replacement	\$0.12	\$150
RF-63798	Refrigeration fan retrofits - accelerated replacement	\$0.12	\$150
RF-28375	Single stage system to two stage refrigeration system conversion (industrial and commercial refrigeration)	\$0.12	\$150
RF-68574	Repiping refrigeration whey processing system	\$0.12	\$150
RF-61954	ECM evap fan with controller for walk-ins >3,000 sqft (>1HP) - accelerated replacement	\$0.12	\$150
RF-95720	Walk-in electronically commutated motor (ECM)	\$0.12	\$150
RF-57763	Indirect to direct evaporative refrigeration system conversion	\$0.12	\$150
RF-21476	Continuously variable electric expansion valve - normal replacement	\$0.12	\$150
RF-21646	Electronically commutated motor (ECM) evaporator fan with controller (<1HP) - accelerated replacement, to-code	\$0.06	\$150

<sup>1</sup> Refrigeration systems between -20°F and 55°F may be applicable. Contact your assigned SCE Account Representative for more information.

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**FLOATING REFRIGERATION CONTROLS**

Floating refrigeration controls allow the system's temperature and pressure set points to adjust based on fluctuations in ambient conditions and system load.

**Express Solution Qualifying Questions**

**YES** The answer should be "Yes" to every applicable question in a solution category for a project to qualify for that rebate.

**For Floating Saturated Condensing Temperature Controls (Air-Cooled and Evaporative-Cooled):**

- Will the controls be applied to an existing multiplex refrigeration system with a fixed saturated condensing temperature (SCT) setpoint?
- Will the new SCT setpoint be ambient following by controlling condenser fans with variable-speed drives or by staging condenser fans?
- For air-cooled condenser, will the SCT be controlled to follow ambient + 12°F TD or less and for evaporative-cooled condenser, will the SCT be controlled to follow ambient wetbulb + 17°F TD or less?
- If back-flood controls are present, is the setpoint 68°F or less?
- Will minimum SCT setpoint be set to 70°F or less?
- Is cooling load based on connected display cases, walk-in coolers and freezers, and prep areas ONLY? Subcooler loads and air conditioning loads are not eligible for incentives.

**For Floating Saturated Suction Temperature Controls:**

- Will the controls be applied to an existing multiplex refrigeration system with a fixed suction setpoint?
- During periods of low fixture loads, do the controls allow the suction pressure to rise to the highest point that can still maintain setpoint temperatures at the critical case on the suction circuit?
- Is cooling load based on connected display cases, walk-in coolers and freezers, and prep areas ONLY? Subcooler loads and air conditioning loads are not eligible for incentives.

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION CONTROLS	REBATE
		\$/unit of measure
RF-21058	Floating saturated condensing temperature controls (air-cooled)	\$50/ton
RF-31355	Floating saturated condensing temperature controls VFD (air-cooled)	\$50/ton
RF-21059	Floating saturated condensing temperature controls (evaporative-cooled)	\$50/ton
RF-41488	Floating saturated condensing temperature controls VFD (evaporative-cooled)	\$50/ton
RF-51222	Efficient, Saturated Suction Controls, Air-cooled	\$50/ton
RF-20965	Efficient, Saturated Suction Controls, Evap-cooled	\$50/ton

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SYSTEMS	INCENTIVE	
		\$/kWh	\$/kWt
RF-19803	Floating head pressure controls - add-on equipment	\$0.12	\$150
RF-19807	Floating suction pressure controls - add-on equipment	\$0.12	\$150

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**ANTI-SWEAT HEATER (ASH) CONTROLS**

Controls that reduce or turn off the glass and frame anti-sweat heaters (ASH) during low ambient relative humidity periods or based on the amount of condensation formed on the inner glass pane.

**Express Solution Qualifying Questions**

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Can the proposed device sense the relative humidity in the air outside of the display case and reduce or turn off the glass door (if applicable) and frame anti-sweat heaters at low humidity conditions? Equivalent technologies that can reduce or turn off anti-sweat heater based on the amount of condensation formed on the inner glass pane may also qualify. Power reduction should occur when relative humidity levels reach 55% and lower. Power reduction should decrease by at least 2% for every percentage the humidity falls below 55%.
- Is this the only Express Solution category under which the fixtures are receiving incentives? This solution cannot be used in conjunction with New High-Efficiency Refrigeration Display Cases with Special Doors (Low Temp) and Special Doors with Low/No Anti-Sweat Heat on Low Temperature Display Cases categories.
- Has the linear footage of the case been properly measured? Incentive is based on the total linear footage of the case that is subject to the anti-sweat heater controls.

Note: Measurement dimensions must be cited on invoice or supporting documentation.

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR ASH CONTROLS	REBATE	
		\$/unit of measure	
RF-12098	Display case with anti sweat heater (ASH) controls, low temp	\$25.00/linear ft.	
RF-48112	Display case with anti sweat heater (ASH) controls, medium temp	\$25.00/linear ft.	

**Customized Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR ASH CONTROLS	INCENTIVE	
		\$/kWh	\$/kW†
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

Whole Building

**REFRIGERATION SYSTEM OPTIMIZATION**

The process of modifying a refrigeration system to make some aspects of it more efficient while not reducing the baseline output.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR SYSTEM OPTIMIZATION	INCENTIVE	
		\$/kWh	\$/kWt
RF-18607	Refrigeration - energy management system (EMS) - add-on equipment <sup>1,2</sup>	\$0.12	\$150
RF-28734	Subcooling refrigeration controls - add-on equipment	\$0.12	\$150
RF-43876	Defrost controls - add-on equipment	\$0.12	\$150
	Variable-frequency drives for:		
RF-87644	Evaporator coil fan - VFD - add-on equipment <sup>3</sup>	\$0.12	\$150
RF-94589	Screw compressor - VFD (industrial refrigeration) - add-on equipment <sup>3</sup>	\$0.12	\$150
RF-79521	Refrigeration compressor controls - add-on equipment	\$0.12	\$150
RF-19808	Evaporator coil fan control (cycling) - add-on equipment	\$0.12	\$150
RF-21451	VFD on evaporator coil fan - new	\$0.12	\$150

# ENERGY EFFICIENCY Incentives

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

Whole Building

<sup>1</sup> Only valid for installations where there is not an existing energy management system. EMS retrofit and optimization projects must use the corresponding BRO (Behavioral, Retrocommissioning, and Operational) measure.

<sup>2</sup> Valid if project is not already required by Title 24, see trigger sheets.

<sup>3</sup> Only eligible as (AOE) Add-On Equipment (i.e. the project does not trigger Title 24 compliance).

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# BUILDING ENVELOPE

## WINDOW

A transparent opening constructed in a wall that allows the passage of light and, if not closed or sealed, air and sound. Windows may be glazed or covered in some other transparent or translucent material.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR WINDOW	INCENTIVE	
		\$/kWh	\$/kWt
BE-78594	Efficient windows - weatherization	\$0.06	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

## BUILDING SHELL IMPROVEMENTS

The outer shell, or the elements of a building such as walls, floors, and ceilings that enclose conditioned space. Properly designed, the envelope can minimize the gain or loss of heat and moisture.

### WINDOW FILM

Window film applied to windows reduces heat transfer through single-pane windows to reduce the load on vaporcompression air conditioning systems.

### Customized Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that incentive.

- Does the film have a minimum five-year manufacturer’s warranty?
- Is the space cooled by vapor-compression air conditioner? Evaporative-cooled space is not eligible.
- Is the film installed on clear single-pane glass?
- Does the film have either a solar heat gain coefficient less than or equal to 0.39, or have an SHGC less than or equal to 0.47 and visible transmittance/solar heat gain coefficient ratio greater than 1.3? To convert shading coefficient (SC) to SHGC, use the following equation:  $SHGC = SC \times .97$  Submit manufacturer specification sheet and/or NFRC specifications documenting eligibility.
- If the window film is applied to windows with existing film, does the installation meet the following requirements?
  - Existing film will be removed before new film installation
  - Existing film has been installed for at least 13 years
  - Documentation is provided providing the 13-year minimum age

Note: Invoice must include dimensions of windows. Please submit a copy of the warranty with the application

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR BUILDING SHELL IMPROVEMENTS	INCENTIVE	
		\$/kWh	\$/kWt
BE-19812	Window film - weatherization	\$0.06	\$150
BE-60912	Building shell improvements - weatherization <sup>1</sup>	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

<sup>1</sup> Customized Solutions excludes incentives for reflective roof (a.k.a. cool roof) and green roof installations.

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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## HEATING, VENTILATING & AIR CONDITIONING (HVAC)

### Direct Expansion (DX) Equipment

DX refers to the more common refrigerant evaporator coil in packaged air conditioning equipment. This coil usually has a direct expansion valve (supplied by others) connected to the coil distributor.

#### PACKAGE TERMINAL AIR CONDITIONERS AND PACKAGE HEAT PUMPS

Installation of a package terminal air conditioning unit (PTAC) or a package terminal heat pump (PTHP) that is through the wall, self-contained, and less than two tons with an EER that is 20% higher than the minimum.

#### Express Solution Qualifying Question

**YES** The answer should be "Yes" to every applicable question in a solution category for a project to qualify for that rebate.

- Are package terminal air conditioners (PTAC) and package terminal heat pumps (PTHP) through-the-wall, self-contained units, and are two tons (24,000 Btu/hr) or less? Only standard size units designed for 16x42 inch wall sleeves are eligible.
- Do units have an EER that is 20% higher than the minimum that is required by Title 24 2019 code? Units that meet this requirement will have an EER that meets or exceeds Min EER calculated from the following equations:
  - PTAC  $\geq (10.9 - (0.213 \times \text{_____} \div 1,000)) \times 1.2$  (fill in blank with unit's capacity in Btu/hr<sup>2</sup>)
  - PTHP  $\geq (10.8 - (0.213 \times \text{_____} \div 1,000)) \times 1.2$  (fill in blank with unit's capacity in Btu/hr<sup>2</sup>)

Note: Ductless mini-split air conditioner units are not eligible for incentives.

#### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR DIRECT EXPANSION (DX) EQUIPMENT	REBATE	
		\$/unit of measure	
AC-21823	Package terminal air conditioners only	\$40.00/ton	
AC-37854	Package terminal air conditioners and package heat pumps	\$40.00/ton	

Customized Solutions excludes incentives for Direct Expansion HVAC Equipment covered by SCE's upstream incentive program. Excluded equipment categories include: Packaged & Split AC, Water Source Heat Pumps, Mini/Multi-splits.

#### COMPUTER ROOM AIR CONDITIONER

A High Efficiency Computer Room Air Conditioner is used to cool the computer room (primary function is to house electronic equipment and that has a design equipment power density exceeding 20 watts/ft<sup>2</sup> (215 watts/m<sup>2</sup>) of conditioned floor area).

#### Customized Solution Qualifying Questions

**YES** The answer should be "Yes" to every applicable question in a solution category for a project to qualify for that incentive. Does the Computer Room Air Conditioner meet the following Title 20 qualifying criteria?

- Is the air conditioner being used in computer rooms, data processing rooms, or other information technology cooling applications?
- Is the air conditioner rated for sensible coefficient of performance (SCOP) and tested in accordance with 10 C.F.R. section 431.96?
- Is the air conditioner not listed as a consumer product under 42 U.S.C. sections 6291(1)-(2) and 6292?
- Does the proposed measure exceed the information in Title 24 Tables C-3, C-4, C-5, C-6, C-7, C-8 and C-10? (Computer Air Conditioners have to meet Title 24 Section 140.9(a))

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMPUTER ROOM AIR CONDITIONER	INCENTIVE	
		\$/kWh	\$/kW†
AC-71612	High efficiency computer room air conditioner	\$0.12	\$150

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

<sup>2</sup> Use the rated cooling capacity of the unit in Btu/hr. If the unit's capacity is less than 7000 Btu/hr, use 7000 Btu/hr in the calculation. If the unit's capacity is greater than 15,000 Btu/hr, use 15,000 Btu/hr in the calculation.

# ENERGY EFFICIENCY Incentives

## EVAPORATIVE COOLERS

A device that cools air through the simple evaporation of water.

### ADVANCED EVAPORATIVE COOLERS

Replacement of a vapor-compression air conditioning system with an evaporative cooler.

#### Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR EVAPORATIVE COOLERS	INCENTIVE	
		\$/kWh	\$/kWt
AC-32882	Direct evaporative pre-cooler for condensing units - add-on equipment	\$0.12	\$150
AC-70772	Evaporative precoolers - add-on equipment	\$0.12	\$150
AC-19792	Indirect evaporative cooling - dual stage - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

## ECONOMIZERS

Air-side economizers use cool outside air as a means of cooling the indoor space and water-side economizers use water cooled by a wet cooling tower to cool buildings without operating a chiller.

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR ECONOMIZERS	INCENTIVE	
		\$/kWh	\$/kWt
AC-78487	Economized cooling using fluid coolers	\$0.12	\$150
AC-68473	Economizer - water side - add-on equipment <sup>1</sup>	\$0.12	\$150
AC-19789	Economizer - air side - add-on equipment	\$0.12	\$150
AC-56832	Economizer – Split DX System with VAV controls - Add-on Equipment	\$0.12	\$150

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

<sup>1</sup> A water economizer is used to meet design cooling load, it must be capable of providing 100% of the expected system cooling load at outside conditions of 50°F Tdb with a coincident 45°F Twb.

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# ENERGY EFFICIENCY Incentives

## INSULATION

Material used to reduce the rate of heat transfer.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR INSULATION	INCENTIVE	
		\$/kWh	\$/kWt
AC-21480	Insulating refrigerant pipes - add-on equipment	\$0.12	\$150
AC-21478	Insulating cool air ducts - add-on equipment	\$0.12	\$150
AC-21479	Insulating chiller water pipes - add-on equipment	\$0.12	\$150
AC-21481	Insulating condenser water pipes - add-on equipment	\$0.12	\$150

## COOLING TOWER

A heat removal device used to transfer process waste heat to the atmosphere. Cooling towers may either use the evaporation of water to remove process heat and cool the working fluid to near the wet-bulb air temperature or rely solely on air to cool the working fluid to near the dry-bulb air temperature.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOLING TOWER	INCENTIVE	
		\$/kWh	\$/kWt
AC-86944	Cooling tower system retrofit - accelerated replacement	\$0.12	\$150
PR-11299	Process cooling tower system retrofit - accelerated replacement	\$0.12	\$150
AC-21959	Cooling tower physical water treatment system - new <sup>2</sup>	\$0.12	\$150

## HVAC SYSTEMS

Heating, Ventilating and Air Conditioning (HVAC) is used either collectively or individually to provide heating, cooling and humidity control in a building.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC SYSTEMS	INCENTIVE	
		\$/kWh	\$/kWt
AC-34251	Central plant consolidation <sup>1</sup>	\$0.12	\$150
AC-34264	Energy efficient fan blade retrofits - accelerated replacement <sup>1</sup>	\$0.12	\$150
AC-63339	Data center HVAC flow management retrofit - accelerated replacement <sup>1</sup>	\$0.12	\$150
AC-20766	Computer room air conditioning unit component upgrade-fan	\$0.12	\$150
PR-71632	Phase change retrofit - add-on equipment	\$0.12	\$150
PR-11278	Data center economizer add-on - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

Customized Solutions excludes incentives for Direct Expansion HVAC Equipment covered by SCE's upstream incentive program. Excluded equipment categories include: Packaged & Split AC, Water Source Heat Pumps, Mini/Multi-splits.

This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

<sup>1</sup> Only eligible as (AOE) Add-On Equipment (i.e. the project does not trigger Title 24 2019 compliance).

<sup>2</sup> Only eligible when installing a new commercial cooling tower system with a minimum cooling capacity of ≥500 tons, and the system uses a physical water treatment system to treat the cooling water.

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.



# ENERGY EFFICIENCY Incentives

## HVAC MOTOR

Device to force conditioned air through the duct system out to through the vents.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Does the measure replace the existing supply fan motor(s) between 1 to <=3 hp in a packaged HVAC system in a commercial and industrial building type?
- Are the new motor and controls UL Listed?
- Does the installation of this measure meet all applicable regulations, including but not limited to the current California Building Energy Efficiency Standards (Title 24), federal code, and the National Electrical Code® (NEC)?

#### *Eligible Building Types and Vintages*

- This measure is applicable for all existing commercial and industrial building types.

#### *Eligible Climate Zones*

- This measure is applicable in all California climate zones.

#### Program Exclusions

- This measure is not eligible for supply fan motors rated <1 hp and > 3 hp (nominal).
- This measure is not eligible for other fans, such as the return fan or outdoor air fan of a packaged HVAC unit.
- This measure is not eligible for new constructions.

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC MOTOR	REBATE
		\$/unit of measure
AC-21427	Software-controlled switch reluctance motor	\$50.00/hp

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC MOTOR	INCENTIVE	
		\$/kWh	\$/kWt
AC-21817	Supply fan software-controlled switch reluctance motor > 3 HP - normal replacement <sup>1</sup>	\$0.12	\$150
AC-21818	Supply fan software-controlled switch reluctance motor > 3 HP - accelerated replacement <sup>1</sup>	\$0.12	\$150

<sup>1</sup> Software-controlled switch reluctance motor 1-3 HP is available in Express, see solution code AC-21427.

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†. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**HVAC CONTROLS**

A system or device that utilizes remotely controlled devices such as thermostats, sensors, and switches to regulate a heating or cooling system.

**VARIABLE-SPEED DRIVES (VSDs) - CONDENSER WATER PUMP AND CHILLED WATER PUMP CONTROLS**  
**Express Solution Qualifying Questions**

**YES** The answer should be "Yes" to every applicable question in a solution category for a project to qualify for that rebate.

- Does the chiller plant currently operate with a constant condensing water loop or constant chilled water loop?
- Does the chiller plant serve a commercial building type supported by this incentive program (see Building Type Codes listed at the end of this Directory)?
- For AC-91987, is the Chilled water loop controlled by 3-way valves?
- For AC-91987, was the chilled water loop installed before 2005?
- Is the impacted HVAC system serving one of the following building types?  
Education - Community College, or Secondary School, or University  
Manufacturing - Bio/Tech  
Health/Medical - Hospital  
Health/Medical - Nursing Home  
Lodging - Hotel  
Office - Small, or Office - Large  
Retail - Multistory Large

Notes: 1. Condensing and/or chilled water pump systems serving "process Loads" are not eligible for rebate.

2. Rebates are only available for Commercial Building Types. Agricultural and Industrial building types are not eligible for rebate.

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	REBATE
		\$/unit of measure
AC-55411*	Variable-speed drive on condenser water pump control	\$225.00/hp
AC-91987*	Variable-speed drive on chilled water pump control	\$200/hp

\*There are rebate limits for solutions codes AC-55411 & AC-91987. The rebate cap is based upon the horsepower of the unit installed as outlined.

≤40 hp	Maximum incentive per unit is \$9,000
41hp to 99hp	Maximum incentive per unit is \$18,000
≥100 hp	Maximum incentive per unit is \$22,500

**VARIABLE-SPEED DRIVES (VSDs) - HVAC FANS****Express Solution Qualifying Questions**

**YES** The answer should be "Yes" to every applicable question in a solution category for a project to qualify for that rebate.

- Will the VSD be added to a fan-used in a built-up HVAC system? Installations on packaged systems, such as rooftop unit (RTU) supply and return air fans, are ineligible for this Solution Code.
- Is the impacted HVAC system serving one of the following building types?  
Education - Community College  
Education - Secondary School  
Education - University  
Health/Medical - Hospital  
Health/Medical - Nursing Home  
Lodging - Hotel  
Office - Large  
Retail - Multistory Large
- Is the fan motor nominal rated capacity less than or equal to 100 horsepower?
- Will there be a 3% impedance choke Impedance? Choke prevents high frequencies from entering high cost equipment such as motors. Chokes also smooth the output from the VSD rectifier. (This is recommended but not required.)
- For All:  
Will modifications be made to existing system to allow for proper operation of the VSD? For example, on supply fans, will throttling devices such as inlet vanes or bypass dampers be removed or permanently disabled and fixed in the full-open position?
- Are VSD controls being added to existing equipment? Installation with new HVAC units or new fans and pumps is not eligible. If you HVAC fan VSD project is not eligible for this Express Solution, consider applying for incentives through Customized Solution AC-78722: Ventilation Fan - VSD.

# ENERGY EFFICIENCY Incentives

## Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	REBATE
		\$/unit of measure
AC-21291	Variable-speed drives for HVAC fan control	\$120/hp

## Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC SYSTEMS	INCENTIVE	
		\$/kWh	\$/kWt
AC-60598	Variable air volume for fumehoods**	\$0.12	\$150
AC-59483	Automatic sash closer controls - add-on equipment	\$0.12	\$150
AC-79531	HVAC compressor controls	\$0.12	\$150
AC-19795	Exhaust fan VFD controls for CO DCV in enclosed parking structures - add-on equipment	\$0.12	\$150
AC-43210	Chiller (HVAC) compressor - VFD - add-on equipment	\$0.12	\$150
AC-69858	Hot water pump motor - VFD - add-on equipment	\$0.12	\$150
AC-74984	Condenser water pump motor - VFD - add-on equipment	\$0.12	\$150
AC-78722	Ventilation fan - VFD - add-on equipment **	\$0.12	\$150
AC-19790	HVAC occupancy sensor - add-on equipment	\$0.12	\$150
AC-19793	Condenser fan - VFD - add-on equipment	\$0.12	\$150
AC-19794	HVAC occupancy sensor thermostat - add-on equipment	\$0.12	\$150
AC-18574	Frictionless compressor retrofit - accelerated replacement	\$0.12	\$150
AC-19384	Kitchen exhaust fan - VFD - add-on equipment	\$0.12	\$150
AC-35444	HVAC Time Clock Control - add-on equipment	\$0.12	\$150
AC-43654	HVAC zone control - add-on equipment	\$0.12	\$150
AC-61734	Computer room air handling unit - VFD - add-on equipment	\$0.12	\$150
AC-72117	Pressure independent CHW valves on AHU CHW coils	\$0.12	\$150
AC-74199	Chilled water loop heat reclaim	\$0.12	\$150
AC-59267	HVAC chilled water pump system upgrades - accelerated replacement	\$0.12	\$150
AC-96037	Ventilation thermostat controls - add-on equipment	\$0.12	\$150
PM-58473	Chilled water pump constant flow to variable flow conversion - accelerated replacement	\$0.12	\$150
PR-89456	Chiller (process) compressor - VFD - add-on equipment	\$0.12	\$150
AC-21453	Supply fan (industrial only) - VFD - add-on equipment <sup>1</sup>	\$0.12	\$150

<sup>1</sup>Only applicable to industrial building types. Use DEEMED solution codes for commercial building types.

\*\* Only eligible as (AOE) Add-On Equipment (i.e. the project does not trigger Title 24 2019 compliance).

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## COMPRESSED GASES

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMPRESSED GASES	INCENTIVE	
		\$/kWh	\$/kWt
PR-87504	Air compressor no-loss drain valves - add-on equipment	\$0.12	\$150
PR-57193	Compressed air recovery system	\$0.12	\$150

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# ENERGY EFFICIENCY Incentives

## MOTORS

### Premium Efficiency Motors

The Energy Independence and Security Act (EISA) of 2007 established new energy conservation standards for electric motors.

To receive incentives, all motors must exceed the energy conservation standards set forth by the EISA of 2007: Section 431.25 part (c) through (g).

Efficiency standards can be accessed through the following link:

[www1.eere.energy.gov/buildings/appliance\\_standards/eisa2007.html](http://www1.eere.energy.gov/buildings/appliance_standards/eisa2007.html)

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PREMIUM EFFICIENCY MOTORS	INCENTIVE	
		\$/kWh	\$/kWt
MT-65483	Motor generator set replacements (ineligible for hotel industry)	\$0.12	\$150
MT-28473	Motor cycling controls - add-on equipment	\$0.12	\$150
MT-50941	Constant speed variable load motor controller - add-on equipment	\$0.12	\$150
MT-79578	Direct drive motor	\$0.12	\$150
MT-20868	Induction to permanent magnet motor (oil/gas submersible pumps only) - new or normal replacement <sup>1,2</sup>	\$0.12	\$150

<sup>1</sup> Permanent magnet motors must operate with a VFD.

<sup>2</sup> Super premium efficiency induction motors for oil/gas must be used as the basecase.

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

## PUMPING Pumps

A device used to move fluids, such as liquids or slurries, or gases. A pump displaces a volume by physical or mechanical action.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Is the pump qualified to meet DOE CFR Title 10 Section 431.462?
- Is the rotodynamic pump classified within one of the following classes?
  - End Suction Frame Mount (ESFM)
  - End Suction Close Coupled (ESCC)
  - In-line (IL)
  - Radially Split multi-stage vertical in-line diffuser casing (RSV)
  - Vertical Turbine Submersible (ST)
- If it is a constant load pump, is the Pump Efficiency Index (PEI) < .96?
- If it is a variable load pump, is the Pump Efficiency Index (PEI) < .49?
- Is the pump listed in the Hydraulic Institute Energy Rating Program [database?](#) (Submersible pumps may not be listed on the Hydraulic Institute database. Please contact your SCE account representative for more information, or 1-800-990-7788.)

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR WATER PUMP UPGRADE (HIGH EFFICIENCY - HE) (COMMERCIAL INSTALLATIONS)	REBATE
		\$/unit of measure
PM-20275	High Efficiency Pump - < 3 HP Constant Load, Com	\$35.00/hp
PM-20276	High Efficiency Pump - 3 HP to < 50 HP Constant Load, Com	\$25.00/hp
PM-20277	High Efficiency Pump - 50 HP to ≤ 200 HP Constant Load, Com	\$4.00/hp
PM-20278	High Efficiency Pump - < 3 HP Variable Load, Com	\$35.00/hp
PM-20279	High Efficiency Pump - 3 HP to < 50 HP Variable Load, Com	\$25.00/hp
PM-20280	High Efficiency Pump - 50 HP to ≤ 200 HP Variable Load, Com	\$4.00/hp

SOLUTION CODE	SOLUTION DESCRIPTION FOR WATER PUMP UPGRADE (HIGH EFFICIENCY - HE) (INDUSTRIAL INSTALLATIONS)	REBATE
		\$/unit of measure
PM-20281	High Efficiency Pump - < 3 HP Constant Load, Ind	\$35.00/hp
PM-20282	High Efficiency Pump - 3 HP to < 50 HP Constant Load, Ind	\$25.00/hp
PM-20283	High Efficiency Pump - 50 HP to ≤ 200 HP Constant Load, Ind	\$4.00/hp
PM-20284	High Efficiency Pump - < 3 HP Variable Load, Ind	\$35.00/hp
PM-20285	High Efficiency Pump - 3 HP to < 50 HP Variable Load, Ind	\$25.00/hp
PM-20286	High Efficiency Pump - 50 HP to ≤ 200 HP Variable Load, Ind	\$4.00/hp

SOLUTION CODE	SOLUTION DESCRIPTION FOR WATER PUMP UPGRADE (HIGH EFFICIENCY - HE) (AGRICULTURAL INSTALLATIONS)	REBATE
		\$/unit of measure
PM-21041	High Efficiency Pump - < 3 HP Constant Load, Ag	\$35.00/hp
PM-21042	High Efficiency Pump - 3 HP to < 50 HP Constant Load, Ag	\$25.00/hp
PM-21044	High Efficiency Pump - 50 HP to ≤ 200 HP Constant Load, Ag	\$4.00/hp
PM-21045	High Efficiency Pump - < 3 HP Variable Load, Ag	\$35.00/hp
PM-21046	High Efficiency Pump - 3 HP to < 50 HP Variable Load, Ag	\$25.00/hp
PM-21047	High Efficiency Pump - 50 HP to ≤ 200 HP Variable Load, Ag	\$4.00/hp

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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† kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**ENERGY EFFICIENCY Incentives**

**Customized Solution** Items eligible for Customized Solution incentives are shown below. (This table continued on next page.)

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPS	INCENTIVE	
		\$/kWh	\$/kW†
PM-26354	Chilled water pump retrofit - accelerated replacement	\$0.12	\$150
PM-35263	Condenser water pump retrofit - accelerated replacement	\$0.12	\$150
PM-50902	Industrial pump retrofit - accelerated replacement	\$0.12	\$150
PM-69548	Condenser water pump constant flow to variable flow conversion	\$0.12	\$150

**PUMPING CONTROLS** Electromechanical equipment, electronic devices (e.g., sensors), or automated system utilizing remotely controlled power switching and circuit protective devices to manage multiple interdependent functions.

**VARIABLE FREQUENCY DRIVES ON AGRICULTURAL PUMPS**

Variable frequency drives (VFDs) on agricultural pumps are an efficient alternative to throttling control on irrigation pumping systems. The most common pumps used in agricultural irrigation are:

- Well Pumps (typically either vertical turbine or submersible)
- Booster Pumps (typically vertical turbine, with some inline centrifugal)

VFDs for irrigation pumps have great potential for energy savings by adjusting the pump speed to produce the desired flow and/or pressure for the irrigation system.

**Express Solution Qualifying Questions**

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

- Will the variable frequency drive (VFD) be used to adjust the operation of a pump to meet flow/pressure requirements, and not used simply as a soft starter or for cavitation control?
- Does the pumping application currently have the means of varying the pressure/flow (i.e. throttle valve, control valve, etc.)?
- Will the VFD be installed on the pump motor with a minimum operation of 1,000 hours per year?
- Is the VFD installed on a pressurized irrigation system? (no flood irrigation)
- Does the customer have an existing electrically operated agricultural booster or well pump installed on site, or plans to install a new agricultural booster or well pump?
- Note: Not eligible for the following applications, well pump;
  - Used to fill a reservoir
  - That discharges directly into a canal
  - Mixed flow pump (high volume, low head)

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR VARIABLE FREQUENCY DRIVES ON AGRICULTURAL PUMPS	REBATE
		\$/unit of measure
PM-21284	VFD on Agricultural Well Pumps (≤300 hp) - Existing Equipment <sup>1,2</sup>	\$75.00/hp
PM-21285	VFD on Agricultural Booster Pumps (≤150 hp) - Existing Equipment <sup>1,2</sup>	\$65.00/hp
PM-21051	VFD on Agricultural Well Pumps (≤300 HP) - New Equipment <sup>1,2</sup>	\$75.00/hp
PM-21052	VFD on Agricultural Booster Pumps (≤150 hp) - New Equipment <sup>1,2</sup>	\$65.00/hp

<sup>1</sup> For irrigation purposes only.  
<sup>2</sup> Potable water is not eligible.

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**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPING CONTROLS	INCENTIVE	
		\$/kWh	\$/kW†
PM-18600	VFD on agricultural well pumps (>300hp) serving pressurized systems - add-on equipment <sup>1</sup>	\$0.12	\$150
PM-16109	Pump controls	\$0.12	\$150
PM-21946	Pump controls - new <sup>3</sup>	\$0.12	\$150
PM-28467	Water shutoff controls (excludes smart wells for oil applications)	\$0.12	\$150
PM-89013	Pressure regulating float valves on stand pipes - add-on equipment	\$0.12	\$150
Variable-speed drives for:			
PM-93654	Milk transfer pump - VFD - add-on equipment	\$0.12	\$150
PM-54502	Vacuum pumps - VFD - add-on equipment	\$0.12	\$150
PM-14041	Milking vacuum pump -VFD - add-on equipment	\$0.12	\$150
PM-21834	Nonresidential pool pump - VFD - add-on equipment	\$0.12	\$150
PM-98434	Wastewater pump - VFD - add-on equipment	\$0.12	\$150
PM-35845	Fluid pump - VFD - add-on equipment <sup>1</sup>	\$0.12	\$150
PM-18628	VFD on Ag well pump serving non-pressurized system - add-on equipment <sup>1</sup>	\$0.12	\$150
PM-18629	VFD on non Ag well pump - add-on equipment <sup>1</sup>	\$0.12	\$150
PM-26473	Non-residential pool pump with VFD	\$0.12	\$150
PM-20494	Rotary screw vacuum pump system with VSD - new	\$0.12	\$150
PM-34252	Oilfield water injector pump with VFD (eligible for existing only) - add-on equipment	\$0.12	\$150
PM-21426	VFD on Ag Pump (>300 HP) - new <sup>2</sup>	\$0.12	\$150
PM-21821	VFD on Ag Pump serving non-pressurized system - new	\$0.12	\$150

Customized Solutions excludes incentives for Direct Expansion HVAC Equipment covered by SCE's upstream incentive program. Excluded equipment categories include: Packaged & Split AC, Water Source Heat Pumps, Mini/Multi-splits.

<sup>1</sup>These projects must fall outside of the Express program's "VFDs on Agricultural Pumps" rebate criteria in order to be eligible for Customized incentives. If the project fits the Express criteria then the applicant must apply for rebates through the Express program.

<sup>2</sup>The pump and VFD must be both new equipment and replacing existing pump, same level of service needs to be performed.

<sup>3</sup>The new pump(s) are to be controlled based on energy intensity and each pump requires the installation of a flow meter and power meter.

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**ENERGY EFFICIENCY Incentives**

- Lighting
- Food Service
- Refrigeration
- Building Envelope
- HVAC
- Motors
- Pumping**
- Process
- Whole Building



# ENERGY EFFICIENCY Incentives

## PUMPING SYSTEM OPTIMIZATION

The process of modifying a pumping system to make some aspect of it more efficient while not reducing the baseline output.

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPING SYSTEM OPTIMIZATION	INCENTIVE	
		\$/kWh	\$/kW†
PM-42142	SCADA system - add-on equipment	\$0.12	\$150
PM-29854	High efficiency pressure washing systems	\$0.12	\$150
PM-39486	Tape drip irrigation system	\$0.12	\$150
PM-11099	Chilled water pump optimization flow configuration	\$0.12	\$150
PM-46398	Condenser water pump optimization flow configuration	\$0.12	\$150
PM-90843	Vacuum pumping systems	\$0.12	\$150
PM-21712	Agricultural pumping system upgrades - add-on equipment	\$0.12	\$150

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† . kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# PROCESS

**FANS** Commercial fans generate air currents and ventilation for cooling or heating electric components or subassemblies.

**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR FANS	INCENTIVE	
		\$/kWh	\$/kW†
PR-48786	36 inches EE high volume low speed exhaust or circulation fans - accelerated replacement	\$0.12	\$150
PR-87855	57 inches - 60 inches EE high volume low speed exhaust or circulation fans - normal replacement	\$0.12	\$150
PR-48391	20 inches - 26 inches EE high volume low speed exhaust or circulation fans - new	\$0.12	\$150
PR-11217	48 inches EE high volume low speed exhaust or circulation fans - new	\$0.12	\$150
PR-20468	Agricultural high efficiency recirculation/circulation fan - new	\$0.12	\$150
PR-20469	Agricultural high efficiency recirculation/circulation fan - normal replacement	\$0.12	\$150
PR-67181	72 inch circulation fans with VFDs - accelerated replacement	\$0.12	\$150
PR-51921	Centrifugal blower replacing compressed air system - normal replacement	\$0.12	\$150
PR-20292	Basket fan to panel fan reconfiguration	\$0.12	\$150
PR-21706	VFD on agricultural high efficiency recirculation/circulation fan > 48 inches - new <sup>1</sup>	\$0.12	\$150

**DRYER** Equipment that produces and applies heated air (convective or direct drying) to reduce air relative humidity.

**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR DRYER	INCENTIVE	
		\$/kWh	\$/kW†
PR-39584	High efficiency air dryer	\$0.12	\$150
PR-19799	Compressor air dryer control - add-on equipment	\$0.12	\$150
PR-48473	Cycling dryer	\$0.12	\$150
PR-59686	Desiccant dryer	\$0.12	\$150
PR-49439	Drying (UV/IR)	\$0.12	\$150
PR-34212	Heat pumps for drying	\$0.12	\$150
PR-10653	Vertical roller feed dryer for air compressors	\$0.12	\$150

**CHILLER** A device or unit that removes heat from a liquid via a vapor-compression or absorption refrigeration cycle.

**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR CHILLER	INCENTIVE	
		\$/kWh	\$/kW†
PR-78584	High efficiency process chiller	\$0.12	\$150
PR-42009	Process chilled water pump system upgrades	\$0.12	\$150
PR-60891	Chilled water filtration system	\$0.12	\$150
PR-11258	Process chiller plant system retrofit - accelerated replacement	\$0.12	\$150
AC-70454	Chiller heat reclaim - add-on equipment	\$0.12	\$150
PR-21960	Low global warming potential high efficiency process chiller - normal replacement <sup>2</sup>	\$0.12	\$150

<sup>1</sup> The fan diameter must be greater than 48 inches. If the measure is less than or equal to (≤) 48 inches the measure is DEEMED per SWPR001-01. Please reference SWPR001-01 for high efficiency agriculture fan criteria.

<sup>2</sup> The refrigerant has to have a Global Warming Potential (GWP) of less than 150 for systems with ≥ 50 pounds of refrigerant. The measure is eligible for systems with cooling capacities ≤150 tons.

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† kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## PROCESS SYSTEMS

The process of modifying the mechanical or chemical operations of a system to make some aspect of it more efficient without reducing the baseline production output.

**Customized Solution** Items eligible for Customized Solution incentives are shown below. (Continued on next page.)

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS SYSTEM	INCENTIVE	
		\$/kWh	\$/kW†
PR-49586	Wastewater treatment - fine bubble aeration	\$0.12	\$150
PR-21949	Wastewater membrane bio reactor pulse aeration - normal replacement <sup>2</sup>	\$0.12	\$150
PR-40970	Gas separation and liquefaction process retrofits - accelerated replacement	\$0.12	\$150
PR-10911	Replace motor-generator set with solid state power conversion	\$0.12	\$150
PR-68760	Nitrogen tartrate removal system upgrade for wine production	\$0.12	\$150
PR-90809	High consistency forming	\$0.12	\$150
PR-90877	Low NOx boiler replacing standard low NOx boiler with lowered fan HP requirements	\$0.12	\$150
PR-59787	Efficient water purification system	\$0.12	\$150
PR-69984	Material transport system retrofits - accelerated replacement	\$0.12	\$150
PR-89333	Inverter technology welding machines	\$0.12	\$150
PR-98361	Efficient dye machine	\$0.12	\$150
PR-21477	High efficiency snow gun - normal replacement <sup>1</sup>	\$0.12	\$150
PR-10793	Air compressor - variable displacement	\$0.12	\$150
PR-24345	Chemical oil/water separator for air compressors - add-on Equipment	\$0.12	\$150
PR-32303	Air compressor retrofit - accelerated replacement	\$0.12	\$150
PR-40496	Efficient thermoforming machine with radiant heating controls	\$0.12	\$150
PM-45624	Meter and prover controls for petroleum fuel products - add-on equipment	\$0.12	\$150
PR-46777	Dense Fluid Expander to improve efficiency of cryogenic fluid production - add-on	\$0.12	\$150
PR-21950	Agricultural onsite wastewater treatment management system - new <sup>6</sup>	\$0.12	\$150
PR-21870	Wastewater chemically enhanced primary treatment/sedimentation - new <sup>3,4</sup>	\$0.12	\$150
PR-21832	Non-buoyant oxygen infusion treatment - add-on-equipment <sup>5</sup>	\$0.12	\$150
PR-20159	Engineered Seal for Kiln - accelerated replacement	\$0.12	\$150
PR-20347	Process Fan System Component upgrade - Fan Wheel and associated accessories - accelerated replacement	\$0.12	\$150

<sup>1</sup> High Efficiency Snow Gun is to comply with the Air to Water Ratios identified in Table 1 publication More Snow for Less Energy: Is It Real? by Valerie Eacret, Jonathan B. Maxwell, and Betsy Ricker, ERS.

<sup>2</sup> Only applicable in the wastewater treatment membrane bio reactor cleaning process called air scouring. This replaces the following existing air scouring strategies: continuous or cyclic/jet aeration. This must use multi-stage coarse bubble diffusers or other equipment (upon approval) to provide pulsed aeration.

<sup>3</sup> Measure is only applicable for new installation in the primary treatment phase of a wastewater treatment plant in which the process coagulation and flocculation are employed in the conventional primary clarifiers.

<sup>4</sup> In the wastewater treatment process, the primary treatment stage involves the basic processes to remove suspended solids and biological oxygen demand (BOD) from the wastewater stream before it enters the energy-intensive secondary treatment. The more solids and BOD that can be removed in the primary treatment stage, the less energy is required in the secondary treatment stage. Chemically Enhanced Primary Treatment/Sedimentation (CEPT/CEPS) is a type of chemical enhancement process that employs coagulation and flocculation in conventional primary clarifiers. In addition to suspended solids removal in conventional primary clarifiers, CEPT can also remove soluble organic matter that contributes to biological oxygen demand (BOD). Chemicals such as metal salts/polymers are added to the wastewater to enhance sedimentation, coagulation and flocculation of suspended solids, such as ballasted flocculation.

<sup>5</sup> Measure must be used for water and waste water treatment applications.

<sup>6</sup> Measure is only applicable for new installation in newly constructed wastewater treatment management system on agriculture dairy farms. The new treatment management system is to be used in conjunction with the customer's existing liquid or dry fiber mechanical separator system.

\* This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

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# ENERGY EFFICIENCY Incentives

PROCESS SYSTEMS, CONTINUED

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS SYSTEMS	INCENTIVE	
		\$/kWh	\$/kWt
PR-22866	Air conveying systems	\$0.12	\$150
PR-43909	Efficient grinding	\$0.12	\$150
PR-57774	Efficient water distillation systems	\$0.12	\$150
PR-19779	Install recessed plate filter press - normal replacement	\$0.12	\$150
PR-12457	High efficiency paper forming machine	\$0.12	\$150
PR-52891	High efficiency blow molding machine	\$0.12	\$150
PR-69784	Exhaust gas heat reclaim - add-on equipment	\$0.12	\$150
PR-21062	Cement plant efficient rock crusher - accelerated replacement	\$0.12	\$150
PR-21064	Industrial process subcooler - add-on equipment	\$0.12	\$150
AC-20867	Air handling unit (VAV only) >25 hp - accelerated replacement, To-Standard Practice <sup>1,2</sup>	\$0.06	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

### EXTRUDERS

A piece of equipment that uses mechanical and thermal actions to change solid polymer into a molten polymer.

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR EXTRUDERS	INCENTIVE	
		\$/kWh	\$/kWt
PR-43054	Direct drive extruders	\$0.12	\$150
PR-85031	Intelligent extruder (DOE)	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

### INJECTION MOLDING MACHINE

A machine consisting of two parts, an injection unit and a clamping unit, used for manufacturing plastic products by the injection molding process.

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR INJECTION MOLDING MACHINE	INCENTIVE	
		\$/kWh	\$/kWt
PR-18583	Injection molding - direct drive	\$0.12	\$150
PR-28374	All electric injection molder	\$0.12	\$150
PR-94858	Injection molding - multi-pump	\$0.12	\$150
PR-14374	Pulse cooling for injection molders	\$0.12	\$150
PR-11929	Energy efficient injection molding radiant heater bands	\$0.12	\$150
PR-82321	Replace injection molding machine barrel heaters with induction heaters	\$0.12	\$150

This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code (which may be new or existing).

<sup>1</sup> Air Handling Unit (AHU) must comply with Title 24 Section 140.4(c)2 Variable Air Volume (VAV) systems.

<sup>2</sup> Accelerated Replacement projects must comply with all influence requirements as defined in the Energy Efficiency Project Influence Job Aid at [sceonlineapp.com](http://sceonlineapp.com).

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**INSULATION** A material that reduces or prevents the transmission of heat or sound or electricity.

**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR INSULATION	INCENTIVE	
		\$/kWh	\$/kWt
PR-38737	Injection molder barrel insulation - add-on equipment	\$0.12	\$150
RF-19810	Insulate bare suction pipes - add-on equipment	\$0.12	\$150
PR-12090	Heat press insulation - add-on equipment	\$0.12	\$150

**MELTER** A piece of equipment used to melt a substance (e.g., a furnace used for melting iron in a foundry).

**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR MELTER	INCENTIVE	
		\$/kWh	\$/kWt
PR-65701	Efficient electric melting	\$0.12	\$150

**PROCESS CONTROLS** Variable speed drives for small screw-type air compressors and process fans.

### Express Solution Qualifying Questions

**YES** The answer should be “Yes” to every applicable question in a solution category for a project to qualify for that rebate.

For Variable Speed Air Compressor:

- Is it a new air compressor with integrated variable speed drive being installed (must replace a fixed speed compressor or be a new load application)?
- Is the air compressor capable of providing 40 PSIG or higher compressed air?
- Is the air compressor a rotary screw compressor?
- Does the compressed air system have a total horsepower rating between 5hp and 24hp?
- Does the compressor operate in a "stand alone" capacity or as a trim compressor? The compressor cannot be base loaded in a multiple compressor system.
- Is the compressor permanently installed? Portable compressors do not qualify for these rebates.
- Is the compressor used in one of the following sectors: Agricultural; Health/Medical - Hospital or Clinic; Manufacturing - Bio-Tech or Light Industrial; Industrial; or, Retail - Single-Story Large?

### Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONTROLS	REBATE
		\$/unit of measure
PR-18655	Variable speed drive on air compressor control: 5 to 14 hp <sup>1,2</sup>	\$75.00/hp
PR-18656	Variable speed drive on air compressor control: 15 to 24 hp <sup>1,2</sup>	\$75.00/hp

<sup>1</sup> Cyclic refrigerated dryers are not eligible.

<sup>2</sup> Customer must comply with Title 24: Section 120.6(e). Mandatory Requirements for Compressed Air Systems.

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**ENERGY EFFICIENCY** Incentives

**CIRCULATING BLOCK HEATER**

Forced circulation pre-heater replacing existing resistance block pre-heater on backup emergency diesel generators ranging between 37 kilowatts (kW) and 1099 kW capacity.

- Reduced demand (kW) and energy use (kWh) by combination of a smaller heating element coupled with a motor driven impeller to move pre-heating fluid throughout the generator.
- Achieves more even temperature distribution and reduces thermal component wear.
- It is recommended that installation of Circulating Block Heaters be performed by a qualified technician (i.e. generator maintenance technician or mechanical technician).
- It is recommended that the installer assess and perform (if necessary) fluid hose adjustments that may be associated with the retrofit to enable the Circulating Block Heater to function at optimal energy efficiency.
- Installation shall meet all applicable regulations including but not limited to, latest National Fire Protection Association (NFPA) Code 110 for Emergency Power Systems, and National Electrical Code (NEC), NFPA 70.

**Express Solution**

SOLUTION CODE	SOLUTION DESCRIPTION FOR CIRCULATION BLOCK HEATER	REBATE
		\$/unit of measure
PR-93262	37-199 kW Backup Generator with Circulating Block Heater replacing Undersized Thermosiphon Heater	\$75/heater
PR-93796	200-799 kW Backup Generator with Circulating Block Heater replacing Undersized Thermosiphon Heater	\$150/heater
PR-92194	800-1099 kW Backup Generator with Circulating Block Heater replacing Undersized Thermosiphon Heater	\$140/heater

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**OVEN**

An enclosed compartment for heating, baking or drying.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR OVEN	INCENTIVE	
		\$/kWh	\$/kWt
PR-67492	Efficient curing ovens	\$0.12	\$150
PR-19798	Efficient heating element panels for electric induction furnaces - add-on equipment	\$0.12	\$150
PR-16243	Electric furnace system retrofits - accelerated replacement	\$0.12	\$150

**DESALTER**

A process unit on an oil refinery that removes salt from the crude oil.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR DESALTER	INCENTIVE	
		\$/kWh	\$/kWt
PR-71213	Efficient desalter	\$0.12	\$150

**LAMINATOR**

The process or machine that builds up successive layers of a substance and bonds them with resin to form a finished product.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR LAMINATORS	INCENTIVE	
		\$/kWh	\$/kWt
PR-64722	Efficient lamination machine	\$0.12	\$150

**HUMIDIFIER**

Ultrasonic humidifiers rely on an adiabatic process that generates a water mist without raising its temperature. This process requires much less energy than alternative systems.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HUMIDIFIERS	INCENTIVE	
		\$/kWh	\$/kWt
AC-11250	Ultrasonic humidifiers	\$0.12	\$150

**WET CLEANING**

Utilizes computer-controlled washing machines, biodegradable soaps and conditioners, and various types of pressing equipment that may be specialized for many different fabric and fiber types.

**Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR WET CLEANING	INCENTIVE	
		\$/kWh	\$/kWt
PR-63889	Professional wet cleaning equipment	\$0.12	\$150

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# ENERGY EFFICIENCY Incentives

## VARIABLE SPEED DRIVES AND CONTROLS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR VSD AND CONTROLS	INCENTIVE	
		\$/kWh	\$/kWt
	Variable-speed drives for:		
PR-94826	Dust collector VFD - add-on equipment	\$0.12	\$150
PR-10192	Wastewater treatment - blower VFD - add-on equipment	\$0.12	\$150
PR-34895	Wastewater aerator blower - VFD - add-on equipment	\$0.12	\$150
PR-20847	Process motor - VFD - add-on equipment	\$0.12	\$150
PR-90435	Blower - VFD - add-on equipment	\$0.12	\$150
PR-48832	Autoclave fans - VFD - add-on equipment	\$0.12	\$150
PR-32454	Car wash vacuum pumps - VFD - add-on equipment	\$0.12	\$150
PR-19801	Air compressor - VFD - add-on equipment	\$0.12	\$150
PR-19797	Boiler fans - VFD - add-on equipment	\$0.12	\$150
PR-19283	Air compressor intermediate flow controller - add-on equipment	\$0.12	\$150
PR-17464	Wastewater controls - add-on equipment	\$0.12	\$150
PR-93874	Process chiller controls - add-on equipment	\$0.12	\$150
PR-89417	Collection control system	\$0.12	\$150
PR-89584	Molding machine controls	\$0.12	\$150
PR-69972	Process laser controls - add-on equipment	\$0.12	\$150
PR-21879	Combustion air blower flow controls - add-on equipment	\$0.12	\$150
PR-19802	Install bypass controls for a metal cleaning system - add-on equipment	\$0.12	\$150
PR-20099	Variable speed drive on process fan control 3 hp to less than or equal to 75 hp - add-on equipment	\$0.12	\$150
PR-12450	> 75 HP variable speed drive on process fan control - add-on equipment	\$0.12	\$150
PR-20170	High efficiency wastewater blower < 700 hp	\$0.12	\$150
PR-32856	Air compressor system control - add-on equipment	\$0.12	\$150
PR-69844	Efficient battery charger (forklifts only)	\$0.12	\$150
PR-32793	Cement process controls - add-on equipment	\$0.12	\$150
PR-90089	Process - energy management system (EMS) - add-on equipment <sup>1, 2</sup>	\$0.12	\$150
PR-18630	Hydrogen compressor - VSD - add-on equipment	\$0.12	\$150
PR-18631	Liquefied propane gas compressor - VSD - add-on equipment	\$0.12	\$150
PR-20874	Drive Controlled Variable Speed Hydraulic Power Unit <sup>3, 4</sup>	\$0.12	\$150
PR-21440	Ammonia based controls on wastewater blower - new <sup>5</sup>	\$0.12	\$150
PM-21452	VFD on fluid pump - new	\$0.12	\$150
RF-21441	Condenser fan - VFD - add-on equipment	\$0.12	\$150
PM-21403	VFD and controls added to hydraulic power unit - add-on-equipment	\$0.12	\$150
PR-21647	High efficiency fluid cooler with VSD - normal replacement <sup>6</sup>	\$0.12	\$150
PR-21833	Industrial process cooling tower - VFD - add-on equipment	\$0.12	\$150
PR-21745	VFD on dust collector - new	\$0.12	\$150
PM-21648	High efficiency liquid ring vacuum pump with integrated VFD - normal replacement	\$0.12	\$150

<sup>1</sup> Only valid for installations where there is not an existing energy management system. EMS retrofit and optimization projects must use the corresponding BRO (Behavioral, Retrocommissioning, and Operational) measure.

<sup>2</sup> Only valid if project is not already required by ISP.

<sup>3</sup> Must be replacing a constant speed hydraulic power unit.

<sup>4</sup> Total horsepower (hp) of the new proposed unit must be less than or equal to the existing unit.

<sup>5</sup> The new wastewater aeration blower must be installed with ammonia based controls.

<sup>6</sup> Process cooling loads only.

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t. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.



# ENERGY EFFICIENCY Incentives

## Whole Building

### NMEC

Normalized Metered Energy Consumption  
A site level whole building approach.

Southern California Edison's site-level Normalized Metered Energy Consumption (NMEC) offering is an enhanced approach to determine energy savings under SCE's Commercial Calculated energy efficiency program.

NMEC supports a Commercial whole building approach to energy efficiency, which requires, as a condition of participation, that customers implement comprehensive multi-measure projects to reduce energy consumption. NMEC uses metered energy data and normalization analysis to establish a building's energy usage (baseline) and will use post-installation normalized metering analysis to determine final energy savings (kWh and kW).

- NMEC utilizes the existing Customized incentive levels regardless of the measure type.
- NMEC uses revenue meter data to calculate and validate energy savings.
- Savings are based on what the customer and meter see using at least 12 months of available metered data.
- Incentives are based on actual performance and will be paid after the first 12 months of energy usage following project installation and commissioning.
- Commercial NMEC projects are eligible for SCE's On-Bill Financing Program.
- Loans over \$250,000 are not eligible for incentives.
- OBF loans may be funded after SCE receives the inspection approval and SCE issues an installation notification.
- Loan calculations are based on projected energy savings.
- Other terms and conditions apply.

NMEC is available to qualifying non-residential Commercial customers who:

- Pay the Public Purpose Program (PPP) surcharge on the electric meter in which the energy efficient equipment is being proposed.
- Have an Energy efficiency project that will reduce at least 100,000 kWh and 10% of their metered electrical load.
- Meet all other program terms and conditions.

For information on how to get started, contact your assigned SCE Account Representative or TradePro Representative at 800-990-7788.

### NMEC

Items eligible for NMEC incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL SITE-LEVEL WB COMP RETROFIT	INCENTIVE	
		\$/kWh	\$/kW†
WB-21715	Site-level whole building comprehensive retrofit - commercial <sup>1, 2, 3, 4</sup>	\$0.12	\$150

<sup>1</sup>NMEC methods used to determine savings are customized to the particular site and project to conform to site-specific conditions and adjust for the particular drivers of savings pertinent to the customer site and project.

<sup>2</sup>Energy Savings claims and project estimates of savings are submitted for a specific site or project.

<sup>3</sup>NMEC-determined energy savings rely on a project-specific M&V plan, customized to the specific characteristics of the site and project.

<sup>4</sup>Refer to the SCE NMEC Manual, [sceonlineapp.com](http://sceonlineapp.com), Project Feasibility Study, and CPUC Rulebook additional requirements and information.

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† . kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations. requirements, [sceonlineapp.com](http://sceonlineapp.com).

# APPLY

## BRO (RCx or Retrocommissioning) Incentives

### Behavioral, Retrocommissioning and Operational Solutions

**What is the BRO Program?**

Behavioral, Retrocommissioning and Operational (BRO, also known as Retrocommissioning or RCx) is a systematic process for investigating an existing building's operations and identifying opportunities to improve occupant comfort, save energy, and lower electricity bills. RCx solutions focus on operational improvements rather than retrofits and equipment upgrades.

BRO seeks to improve how building equipment and systems function together. Depending on the age of the building, retrocommissioning can often resolve problems that occurred during design or construction, or address problems that have developed throughout the building's life. In all, retrocommissioning improves a building's operations and maintenance (O&M) procedures to enhance overall building performance.

- Southern California Edison's BRO program no longer utilizes program specific authorized vendors. All RCx vendors must complete the same Trade Professional training as a vendor who participates in SCE's Express and/or Customized Solutions incentive programs.
- All BRO projects should be completed with assistance and input from the Customer's and TradePro's assigned SCE Account Representative.
- BRO projects follow essentially the same process flow and must adhere to the same requirements as the Customized Solutions program.

**Who can participate in the BRO Program?**

Building Eligibility Requirements and Characteristics

- Every building is different, and should be evaluated individually for the BRO Program.
- Buildings will be considered on a case by case basis; however the following serve as good rules of thumb in determining a good candidate.
  - o Minimum Requirements
    - Building must be an SCE customer paying the California PPP charge
    - Building must be at least 25,000 square feet
  - o Desired Characteristics
    - 100,000 SF or more of conditioned space
    - Energy Use: >15 kWh/SF per year
    - Controls: direct digital control (DDC) system in place
    - Condition of equipment: good operating condition, not in need of repair, replacement, or significant retrofit
  - o Commitment: committed ownership, management, and building operators
- Routine maintenance items should be done by the Owner prior to the RCx investigation.

- Examples of routine maintenance items include:
  - Replace or clean air filters
  - Clean evaporator coils and condenser coils
  - Mechanical components such as economizer actuators/linkages/dampers must be functional and in good working order

The following pages show the incentive rates for available RCx solutions. These incentives are capped at 50% of total project implementation costs.

Retrocommissioning activities vary by type, and specific rules may apply to the different BRO types administered by a Utility. SCE offers:

- Commercial BRO
  - Activities affecting building performance, specifically lighting, and heating, ventilation and air conditioning (HVAC) systems, regardless of the type and segment of building(s) where the activities take place
    - For example, BRO activities intended to improve operations of the lighting and/or HVAC systems within an industrial facility fall under BRO
- Industrial BRO
  - Activities affecting performance of industrial processes and systems
- Agricultural BRO
  - Activities affecting performance of agriculture processes and systems.

#### BRO Measures

- Behavioral
  - Designed to influence customer behavior without installation of equipment.
    - For example: Energy Audits, Reports, etc.
  - Behavioral measures are not yet available.
- Retrocommissioning
  - Designed to employ a systematic process for identifying and implementing operational and maintenance improvements in a building to ensure continued good performance over time, or bringing a measure back into compliance (code).
  - These typically involve tuning of building control systems and replacement of minor components such as sensors.
  - Replacement of major components such as chillers or package units would be categorized as a different install type.
- Operational
  - Designed to ensure long-term business practices to maintain efficiency.
    - For example, establishing and following regular maintenance schedules.

The BRO Provider is responsible for conducting a training session for the Owner and the appropriate building operations personnel (or subcontractors). The training should cover the investigation (audit) process and results, measures that were implemented, and requirements for ongoing maintenance and monitoring.

- 3 Year Maintenance Plan or Service Contract
  - The BRO Vendor must provide a maintenance plan for the duration of at least three years for the incentivized measure(s).
  - The Customer must supply evidence of the training taking place, or of a maintenance contract for the duration of at least three years for the incentivized measure(s).
  - When building staff is not available or trained to perform maintenance tasks, owners may have a maintenance service contract in place with an equipment vendor, installing contractor, or a maintenance service contractor.

Actual energy and demand savings are calculated on a project-by-project basis. Pre- and post-inspections, as well as monitoring and verification, are required to show the change in operation after the implementation of RCx solutions.

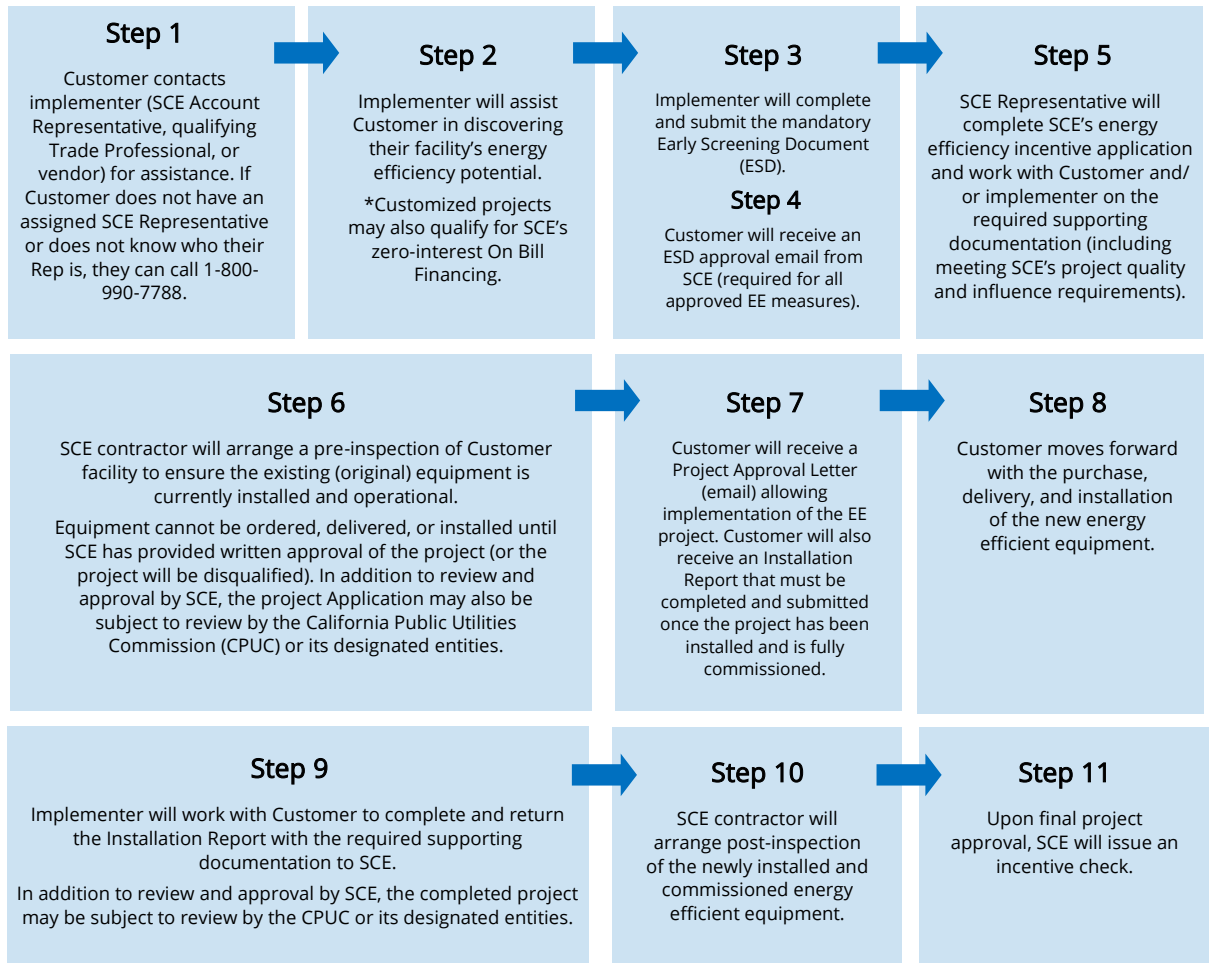
The California Public Utilities Commission recently issued Decision 16-08-019, which will allow a three-year EUL for retrocommissioning BRO and operational measures.

This change has already been implemented and will affect the review and implementation of in-flight BRO projects using affected measures (listed below).

**How can I find out more?**

Please contact your SCE Account Representative, visit [sceonlineapp.com](https://sceonlineapp.com) > Manuals/Guides > SCE BRO Program Guidelines or email us at [TradePro-Support@sce.com](mailto:TradePro-Support@sce.com)

## BRO (RCx or Retrocommissioning)



# Heating, Ventilating, & Air Conditioning (HVAC)

## Air Distribution

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR AIR DISTRIBUTION	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-87967	Perform air balance - retrocommissioning	\$0.06	\$150
AC-68030	Constant air volume to variable air volume conversions - retrocommissioning	\$0.06	\$150

### HVAC CONTROLS

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION HVAC CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-57213	Optimize HVAC boiler sequencing - retrocommissioning	\$0.06	\$150
AC-10166	Optimize supply fan VFD - retrocommissioning	\$0.06	\$150
AC-12765	Optimize chiller sequencing - retrocommissioning	\$0.06	\$150
AC-19642	Optimize carbon dioxide (CO2) demand control ventilation - retrocommissioning	\$0.06	\$150
AC-19845	Optimize room temperature setpoints - retrocommissioning	\$0.06	\$150
AC-25486	Adjust zone temperature deadband - retrocommissioning	\$0.06	\$150
AC-27534	Optimize fan static pressure controls - retrocommissioning	\$0.06	\$150
AC-28476	Optimize exhaust fan VFD - retrocommissioning	\$0.06	\$150
AC-37684	Optimize VAV box flow - retrocommissioning	\$0.06	\$150
AC-38143	HVAC control loop tuning - retrocommissioning	\$0.06	\$150
AC-48273	Optimize chiller water compressor VFD - retrocommissioning	\$0.06	\$150
AC-48587	Optimize zone set-up and setback - retrocommissioning	\$0.06	\$150
AC-48675	Optimize exhaust fan schedule - retrocommissioning	\$0.06	\$150
AC-49858	Adjust chiller water reset - retrocommissioning	\$0.06	\$150
AC-56476	Optimize return fan schedule - retrocommissioning	\$0.06	\$150
AC-59491	Adjust supply air temperature reset - retrocommissioning	\$0.06	\$150
AC-61048	Reduce deck static pressure - retrocommissioning	\$0.06	\$150
AC-65342	Optimize HVAC boiler schedule - retrocommissioning	\$0.06	\$150
AC-24456	Optimize return fan VFD - retrocommissioning	\$0.06	\$150
AC-73518	Optimize sizing of heating equipment - retrocommissioning	\$0.06	\$150
AC-19765	Repair cooling medium piping leaks - retrocommissioning	\$0.06	\$150
AC-19759	Cooling system tune-ups - retrocommissioning	\$0.06	\$150
AC-64388	Optimum start/stop EMS control - retrocommissioning	\$0.06	\$150
AC-89843	Reduced air change rate - retrocommissioning	\$0.06	\$150
AC-15987	Chilled water reset - retrocommissioning	\$0.06	\$150
AC-32109	Improved chiller sequencing - retrocommissioning	\$0.06	\$150
PR-90007	Water pressure management with pressure reducing valves - retrocommissioning	\$0.06	\$150
AC-21714	Telecom HVAC air distribution optimization - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

## Incentives

## BRO Behavioral, Retrocommissioning and Operational

## HVAC CONTROLS, CONTINUED

## FANS

## Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR FANS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-19755	Adjust or re-fit fan belts - retrocommissioning	\$0.06	\$150
AC-69803	Removal or adjustment of inlet guide vanes for fans with VFDs - retrocommissioning	\$0.06	\$150
AC-19763	Fan static pressure reset - retrocommissioning	\$0.06	\$150
AC-81711	Multiple fan array air handling system - operational <sup>2</sup>	\$0.06	\$150
PR-26438	System optimization for fans - retrocommissioning	\$0.06	\$150
AC-21061	Optimize HVAC system high volume low speed circulation fans - operational	\$0.06	\$150

## Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-78325	Optimize air handler controls - retrocommissioning	\$0.06	\$150
AC-79695	Revise supply fan schedule - retrocommissioning	\$0.06	\$150
AC-84943	Adjust condenser water reset - retrocommissioning	\$0.06	\$150
AC-86734	Optimize fan static pressure reset - retrocommissioning	\$0.06	\$150
AC-89223	Optimize HVAC pressure setting - retrocommissioning	\$0.06	\$150
AC-89556	Optimize HVAC chiller plant schedule - retrocommissioning	\$0.06	\$150
AC-89657	Optimize hot water reset - retrocommissioning	\$0.06	\$150
AC-90217	Optimize HVAC condenser water or cooling tower pump sequencing - retrocommissioning	\$0.06	\$150
AC-90765	Optimize outdoor air intake - retrocommissioning	\$0.06	\$150
AC-98234	Optimize HVAC condenser water or cooling tower fan schedule - retrocommissioning	\$0.06	\$150
AC-98504	Optimize hot water pump VFD - retrocommissioning	\$0.06	\$150
AC-76274	Optimize data center airside HVAC controls - operational	\$0.06	\$150
AC-59870	Optimize space static pressure controls - retrocommissioning	\$0.06	\$150
AC-19756	Condenser water reset - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

<sup>2</sup> Proposed fan array design must show improvement in fan efficiency, over a single drive system. If a fan array is the best option for a particular application.

**HVAC SYSTEMS****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC SYSTEMS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-19760	Clean evaporator coils - retrocommissioning	\$0.06	\$150
AC-68894	Optimize HVAC water loop balancing - retrocommissioning	\$0.06	\$150
AC-56543	Optimize sizing of cooling equipment - retrocommissioning	\$0.06	\$150
AC-59408	Reconfigure HVAC condenser water system - retrocommissioning	\$0.06	\$150
AC-19761	Adjust refrigerant level - retrocommissioning	\$0.06	\$150
AC-19762	Repair ductwork with aerosol sealant - retrocommissioning	\$0.06	\$150
AC-11324	Under-floor air distribution with displacement ventilation - operational	\$0.06	\$150
AC-16729	Adjust chiller water lockout - retrocommissioning	\$0.06	\$150
AC-39548	Variable speed chiller plant optimization - retrocommissioning	\$0.06	\$150
AC-21212	100% outside air to minimum outside air HVAC conversion - retrocommissioning	\$0.06	\$150
AC-87564	Hot and cold deck reset - retrocommissioning	\$0.06	\$150

**HVAC SENSORS****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC SENSORS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-58687	Calibrate HVAC sensor - retrocommissioning	\$0.06	\$150
AC-85607	Optimize HVAC temperature sensor - retrocommissioning	\$0.06	\$150
AC-60890	Optimize HVAC flow sensor - retrocommissioning	\$0.06	\$150

**COOLING TOWER****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOLING TOWER	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-91543	Optimize HVAC condenser/cooling tower media - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.



## Lighting Controls

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR LIGHTING CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
LT-23876	Optimize lighting occupancy sensors - retrocommissioning	\$0.06	\$150
LT-36754	Optimize daylighting controls - retrocommissioning	\$0.06	\$150

## Motor Controls

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR MOTOR CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
MT-41009	Optimize non-process motor VFD - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

## Process

### COMPRESSED AIR

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMPRESSED AIR	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PR-90548	Reduce compressed air pressure setting - retrocommissioning	\$0.06	\$150
PR-13321	Relocate air compressor inlet - retrocommissioning	\$0.06	\$150
RF-75894	Compressor sequencing (industrial and commercial refrigeration) - retrocommissioning	\$0.06	\$150
PR-40967	Compressed air central plant tie-in - retrocommissioning	\$0.06	\$150
PR-84977	Compressed air distribution modification - operational	\$0.06	\$150
PR-81093	Air compressor consolidation - operational	\$0.06	\$150
PR-90111	Air compressor supply line diameter increase - operational	\$0.06	\$150
PR-83422	New receiver tank for compressed air system (increased storage) - operational	\$0.06	\$150
PR-92234	Air compressor sequencing controls - operational	\$0.06	\$150
PR-38572	System optimization for compressed air - retrocommissioning	\$0.06	\$150
PR-21056	Upsize compressed air system pneumatic cylinders - operational <sup>2</sup>	\$0.06	\$150

### PROCESS PUMPS

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS PUMPS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-19758	Trim pump impeller - retrocommissioning	\$0.06	\$150
PR-23985	Optimize performance of process pump - retrocommissioning	\$0.06	\$150

### PROCESS SYSTEMS

#### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS SYSTEMS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
AC-19757	Removal or adjustment of fan sound attenuators - retrocommissioning	\$0.06	\$150
PR-43665	Optimize performance of bag processing machine - retrocommissioning	\$0.06	\$150
PR-43981	Optimize or reconfigure process condenser water system - retrocommissioning	\$0.06	\$150
PR-60663	Optimize drying process - retrocommissioning	\$0.06	\$150
PR-78834	Optimize process water loop balancing - retrocommissioning	\$0.06	\$150
PR-19778	Install timed control on an electric process heater - retrocommissioning	\$0.06	\$150
PR-19780	Power recovery turbine shaft seal - retrocommissioning	\$0.06	\$150
PR-19781	Water leak detection and repair - retrocommissioning	\$0.06	\$150
PR-19783	Online water loss monitoring system - retrocommissioning	\$0.06	\$150
PM-19537	Reservoir liner - operational	\$0.06	\$150
PM-29644	Optimize fluid flow system - retrocommissioning	\$0.06	\$150
PR-78934	Exhaust gas abatement system optimization - retrocommissioning	\$0.06	\$150
PR-21053	Optimize oxygen generation system (cement plant only) - operational	\$0.06	\$150
PR-21063	Optimize cement plant conveyer system - operational <sup>3</sup>	\$0.06	\$150
PR-21527	Process pipe insulation - retrocommissioning <sup>4</sup>	\$0.06	\$150

For complete terms and conditions, go to [sce.com/solutions](http://sce.com/solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](http://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

<sup>2</sup> This measure can only be used when there is no change in the level of service.

<sup>3</sup> Cement and medical industry utilize air separation applications.

<sup>4</sup> This measure can only be used when applied to degrading pipe insulation.

**PROCESS SENSOR****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS SENSOR	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PR-49796	Optimize process pressure sensor - retrocommissioning	\$0.06	\$150
PR-67384	Calibrate process sensor - retrocommissioning	\$0.06	\$150
PR-67985	Optimize process temperature sensor - retrocommissioning	\$0.06	\$150
PR-71524	Optimize process flow sensor - retrocommissioning	\$0.06	\$150

**PROCESS CONTROLS****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PR-10231	Optimize process condenser water or cooling tower fan schedule - retrocommissioning	\$0.06	\$150
PR-11090	Replace & install new process furnace with improved controls - operational	\$0.06	\$150
PR-14440	Optimize sizing of compressed air receiver tank - retrocommissioning	\$0.06	\$150
PR-19385	Optimize process condenser water or cooling tower pump sequencing - retrocommissioning	\$0.06	\$150
PR-29086	Optimized air compressor sequencing - retrocommissioning	\$0.06	\$150
PR-29812	Compressed air distribution modification - retrocommissioning	\$0.06	\$150
PR-30076	Optimize sizing of central plant supply line - retrocommissioning	\$0.06	\$150
PR-30497	Optimize process pump schedule - retrocommissioning	\$0.06	\$150
PR-34654	Optimize process motor - VFD - retrocommissioning	\$0.06	\$150
PR-48121	Optimize process control loop tuning - retrocommissioning	\$0.06	\$150
PR-75324	Optimize process boiler schedule - retrocommissioning	\$0.06	\$150
PR-78273	Optimize air compressor intermediate flow controller - retrocommissioning	\$0.06	\$150
PR-90498	Optimize process boiler sequencing - retrocommissioning	\$0.06	\$150
PR-98023	Optimize process pressure setting - retrocommissioning	\$0.06	\$150
PR-98454	Optimize process chiller plant schedule - retrocommissioning	\$0.06	\$150
PR-19784	Compressed air system maintenance - retrocommissioning	\$0.06	\$150
PR-19785	Nitrogen air separation system purge - retrocommissioning	\$0.06	\$150
PR-19786	Compressed air system repair - retrocommissioning	\$0.06	\$150
PR-21713	Wastewater effluent discharge system optimization - retrocommissioning	\$0.06	\$150

**PROCESS FANS****Customized Solution**

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS FANS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PR-65434	Right sizing fans - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

# Refrigeration

## REFRIGERATION CONTROLS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
RF-10512	Optimize refrigeration pressure setting - retrocommissioning	\$0.06	\$150
RF-53890	Optimize refrigeration control loop tuning - retrocommissioning	\$0.06	\$150
RF-68733	Optimize refrigeration temperature setpoints - retrocommissioning	\$0.06	\$150
RF-10217	Optimize refrigeration compressor controls - retrocommissioning	\$0.06	\$150
RF-20963	Optimize refrigeration pump VFD - retrocommissioning	\$0.06	\$150
RF-65403	Optimize refrigeration defrost control - retrocommissioning	\$0.06	\$150
RF-70693	Optimize refrigeration floating head pressure controls - retrocommissioning	\$0.06	\$150
RF-89043	Optimize refrigeration evaporator fan controls - retrocommissioning	\$0.06	\$150
RF-80492	Optimize refrigeration flow sensor - retrocommissioning	\$0.06	\$150

## REFRIGERATION SENSOR

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SENSOR	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
RF-72638	Calibrate refrigeration sensor - retrocommissioning	\$0.06	\$150
RF-58475	Optimize refrigeration pressure sensor - retrocommissioning	\$0.06	\$150
RF-78593	Optimize refrigeration temperature sensor - retrocommissioning	\$0.06	\$150

## REFRIGERATION SYSTEMS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SYSTEMS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
RF-58724	Refrigeration liquid receiver capacity optimization - retrocommissioning	\$0.06	\$150
RF-19788	Reduce refrigeration valve leakage - retrocommissioning	\$0.06	\$150
RF-16859	Reduced load on refrigeration system (using cooling tower to partially offset load) - operational	\$0.06	\$150
RF-21526	Refrigerant pipe insulation (industrial only) - retrocommissioning <sup>2</sup>	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

<sup>2</sup> This measure can only be used when applied to degrading pipe insulation.

# Pumping

## PUMPING CONTROLS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPING CONTROLS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PM-15246	Optimize pump timer controls - retrocommissioning	\$0.06	\$150
PM-15662	Optimize chilled water pump sequencing - retrocommissioning	\$0.06	\$150
PM-19854	Optimize chilled water pump schedule - retrocommissioning	\$0.06	\$150
PM-23156	Optimize hot water pump schedule - retrocommissioning	\$0.06	\$150
PM-23862	Optimize chilled water pump VFD - retrocommissioning	\$0.06	\$150
PM-28579	Optimize water pump level control system - retrocommissioning	\$0.06	\$150
PM-50934	Optimize condenser water pump VFD - retrocommissioning	\$0.06	\$150
PM-83657	Optimize hot water pump sequencing - retrocommissioning	\$0.06	\$150
PM-90501	Adjust hot water lockout - retrocommissioning	\$0.06	\$150
PM-39807	Optimize condenser water pump schedule - retrocommissioning	\$0.06	\$150

## PUMPING SYSTEMS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPING SYSTEMS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PM-58371	Optimize pump discharge valve - retrocommissioning	\$0.06	\$150
PM-21954	Improve performance of pumped fluid distribution piping - retrocommissioning	\$0.06	\$150
PM-30194	Optimize chilled water pump configuration - retrocommissioning	\$0.06	\$150
PM-60798	Optimize condenser water pump configuration - retrocommissioning	\$0.06	\$150
PM-19777	Install or repair chilled water pump - retrocommissioning	\$0.06	\$150

## PUMPS

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPS	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PM-27202	Right sizing pumps - retrocommissioning	\$0.06	\$150
PM-19776	Trim pump impeller - retrocommissioning	\$0.06	\$150

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<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

## PUMP OVERHAUL

SCE is allowing pump replacement projects utilizing the existing Pump Overhaul - Retrocommissioning measures which are now tiered by horsepower (pumps may need to be replaced while leaving the shell intact, but this cannot be determined during an SCE pump test as the pump must be disassembled to make this determination).

The pump overhaul measures listed below shall use SCE Pump Overhaul (BRO) Measure Codes with an EUL of 3 years and follow the energy savings calculation and incentive rates associated with BRO measures. The pump replacement must meet the existing pump's service level requirements. For additional information and requirements, please refer to the [Pump Overhaul Measure Eligibility and Calculation Methodology Guidance Document](#) located at [sceonlineapp.com](http://sceonlineapp.com).

Please note that High Efficiency Pump measures that are less than or equal to ( $\leq$ ) 200 HP for the following classes listed here, are only eligible under the Express incentives program.

- End Suction Frame Mount (ESFM)
- End Suction Close Coupled (ESCC)
- In-Line (IL)
- Radially Split multi-stage vertical in-line diffuser casing (RSV)
- Vertical Turbine Submersible (ST)

### Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMP OVERHAUL	INCENTIVES	
		Energy \$/kWh	Demand \$/kW <sup>1</sup>
PM-21404	Industrial pump system overhaul (25 to 49 HP) - retrocommissioning	\$0.06	\$150
PM-21405	Industrial pump system overhaul (50 to 99 HP) - retrocommissioning	\$0.06	\$150
PM-21406	Industrial pump system overhaul (100 to 249 HP) - retrocommissioning	\$0.06	\$150
PM-21407	Industrial pump system overhaul (250 to 499 HP) - retrocommissioning	\$0.06	\$150
PM-21408	Industrial pump system overhaul ( $\geq$ 500 HP) - retrocommissioning	\$0.06	\$150
PM-21409	Commercial pump system overhaul (25 to 49 HP) - retrocommissioning	\$0.06	\$150
PM-21410	Commercial pump system overhaul (50 to 99 HP) - retrocommissioning	\$0.06	\$150
PM-21411	Commercial pump system overhaul (100 to 249 HP) - retrocommissioning	\$0.06	\$150
PM-21412	Commercial pump system overhaul (250 to 499 HP) - retrocommissioning	\$0.06	\$150
PM-21413	Commercial pump system overhaul ( $\geq$ 500 HP) - retrocommissioning	\$0.06	\$150
PM-21414	Wastewater pump system overhaul (25 to 49 HP) - retrocommissioning	\$0.06	\$150
PM-21415	Wastewater pump system overhaul (50 to 99 HP) - retrocommissioning	\$0.06	\$150
PM-21416	Wastewater pump system overhaul (100 to 249 HP) - retrocommissioning	\$0.06	\$150
PM-21417	Wastewater pump system overhaul (250 to 499 HP) - retrocommissioning	\$0.06	\$150
PM-21418	Wastewater pump system overhaul ( $\geq$ 500 HP) - retrocommissioning	\$0.06	\$150
PM-21419	Agricultural pump system overhaul (25 to 49 HP) - retrocommissioning	\$0.06	\$150
PM-21420	Agricultural pump system overhaul (50 to 99 HP) - retrocommissioning	\$0.06	\$150
PM-21421	Agricultural pump system overhaul (100 to 249 HP) - retrocommissioning	\$0.06	\$150
PM-21422	Agricultural pump system overhaul (250 to 499 HP) - retrocommissioning	\$0.06	\$150
PM-21423	Agricultural pump system overhaul ( $\geq$ 500 HP) - retrocommissioning	\$0.06	\$150

For complete terms and conditions, go to [sce.com/solutions](http://sce.com/solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](http://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

<sup>1</sup> kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

**ENERGY EFFICIENCY AND AUTOMATED DEMAND RESPONSE  
TERMS AND CONDITIONS**

Applicants are subject to all program Terms and Conditions and should therefore understand and agree with these requirements before submitting an application.

I, the Applicant (and Customer’s Trade Professional, if applicable), hereby agree (the “Agreement”) to the following terms and conditions to my participation in: (1) Express Solutions Program, (2) Customized Solutions Program, and/or (3) Automated Demand Response (Auto-DR) Control Incentives Program (the “Programs”). The Programs are identified and further described in the appropriate attachments to the Application, and also in the Express Solutions Statewide EE Business Incentives Manual ([www.sceonlineapp.com](http://www.sceonlineapp.com)), the Statewide Customized Offering Procedures Manual ([www.sceonlineapp.com](http://www.sceonlineapp.com)), and the Auto-DR Control Incentives Program Guidelines ([on.sce.com/autodr](http://on.sce.com/autodr)), as applicable.

1.a. Incorporation by Reference: The Application (together with all applicable attachments) is hereby incorporated by reference into, and made a part of, this Agreement.

1.b. Incorporation by Reference - SCE Partnerships (if applicable). To the extent Applicant is a participant in a Local Government or Institutional Partnership, the following shall apply:  
In addition to the Application, the executed agreement to jointly deliver the applicable Energy Efficiency Partnership Program between Applicant and SCE (and other California utilities where applicable) (the “Partnership Agreement”) shall also be incorporated into this Agreement by this reference. Should a conflict exist between the terms and conditions of this Agreement and the Partnership Agreement (including but not limited to Section 10 of this Agreement), then the terms and conditions of the Partnership Agreement shall control with respect to such conflict.

2. Limitation on Funding Availability: Each Program has limited funding and is offered on a first-come, first-served basis until funding is fully reserved, expended, or the Program is terminated, whichever comes first. I further understand that submission of this Application is not a guarantee of payment by SCE, nor is it a guarantee of fund availability. Upon SCE’s approval of this Application and SCE’s execution of a Program project agreement and/or Project Approval Letter, as applicable, incentive funds will be reserved by SCE; however, payment of any incentive is subject to post-installation performance verification.

3. Changes to Program: Funding and conditions of each Program are subject to the jurisdiction of the California Public Utilities Commission (“CPUC”), and shall be subject to such changes or modifications as the CPUC may, from time to time, direct in the exercise of its jurisdiction. I understand that if a Program is modified in any way or terminated by order of any government entity, then this Agreement shall be revised or terminated consistent with that order. In addition, SCE may suspend or terminate any agreement related to a Program without cause (and without prior written notice) if SCE determines suspension or termination of the agreement is necessary in order to make changes to the related Program or if SCE is ordered by the CPUC to modify or discontinue a Program and/or any agreements related to a Program. I agree that SCE will not be liable for any damages or compensation of any kind that may result from the changes described in this paragraph 3.

4. Right of Assignment: SCE may assign any agreement related to my participation in a Program, in whole or in part, or its rights and obligations hereunder, directly or indirectly, by operation of law or otherwise, without my prior written consent, provided SCE remains obligated for payments incurred prior to the assignment. I may not assign this Application, in whole or in part, or my rights and obligations hereunder, directly or indirectly, by operation of law or otherwise without the prior written consent of SCE.

5. Site Access and Inspection Requirements: The Program(s) I select may require installations, audits, inspections, measurements of the performance of the project measure(s) (referred to as “solution(s)”), and/or verification of installation of solutions. Therefore, I agree to provide, and I am

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solely responsible for ensuring that, SCE and/or its agents, assigns, or contractors and the CPUC and/or its agents or assigns have reasonable access to the project site(s) for these purposes. If I fail to provide reasonable access for these purposes, SCE, in its sole discretion, may require me to repay any incentive amounts already paid to me, may cease making any additional incentive payments otherwise due and may terminate this Agreement. If SCE requires me to repay the incentives already paid, I shall repay any incentive amount due within thirty (30) days of notification by SCE.

6. Permits and Licenses: I understand that I am responsible, at my own expense, to obtain and maintain and cause my contractors and/or subcontractors to obtain and maintain licenses and permits required by federal, state, local, or other relevant governing or regulatory bodies needed to perform Program work.

6.1. I further acknowledge and agree that neither I nor my Trade Professional will receive any incentive or rebate for the purchase or installation of central air-conditioning or a heat pump, and their related fans, without providing to SCE proof of permit closure, or, if applicable, certification that I am not required to obtain a permit. In order to provide proof of permit closure, I (or my Trade Professional) must include documentation from the authority having jurisdiction (e.g., local permitting office), that includes the permit number, customer name, and address, and an indication that the permit has been closed and/or is final.

7. Authorized Services: I understand that SCE employees, contractors and/or agents are authorized to provide only the services described in this Application for the Programs. SCE assumes no responsibility for any services, installations, improvements or equipment offered or provided to me by an SCE employee, contractor or agent other than those specified in this Application or that have not been authorized by SCE.

8. Release and Use of Information: I authorize SCE to release my contact and other relevant information to SCE's employees, contractors and/or agents for purposes related to my participation in the Program(s). I further authorize SCE's employees, contractors and agents to contact me with regard to the initiation, performance, and/or verification of any of the terms and conditions of the applicable Program(s).

9. Calculation of Energy Savings: SCE will not pay incentives for any energy savings in excess of the actual annual amount of my electricity usage at each SCE service account for which incentives are requested.

10. Equipment Eligible for Incentives: Energy savings and demand reduction resulting from the project must be above and beyond baseline energy performance, which include state-mandated codes, federal mandated codes, industry-accepted performance standards or other baseline energy performance standards as determined by SCE. Refurbished and/or leased equipment is not eligible for Program incentives. Specific restrictions may apply to each energy efficiency solution, as outlined in the instructions and attached Application forms.

11. Method for Calculation of Incentive Payments: I understand that SCE pays up to 50% of the project cost for Customized Solutions, and up to 100% of the equipment cost for Express Solutions. For Auto-DR Control Incentives, SCE pays up to \$300 per kW reduced (up to 100% of the actual and reasonable cost for the purchase and installation of qualifying equipment) in accordance with the Auto-DR Control Incentives Program Guidelines. Customized calculations will be in accordance with the Statewide Customized Offering Procedures ([www.sceonlineapp.com](http://www.sceonlineapp.com)). Auto-DR Control Incentive payments to an individual SCE customer cannot exceed \$5 million per program cycle.

SCE retains the sole discretion to determine the appropriate baseline values and energy savings calculations used to determine actual incentive payments. Incentives shall be paid only on projects that exceed the baseline performance standards applicable when the Application is signed. SCE reserves the right to modify or cancel the incentive amount if the actual solution installed differs from the installation as set forth in the Application.

12. Limitations on Incentive Payments: I understand that payments of Program incentives will be made only after all Program requirements are met, to SCE's sole satisfaction. Payment of incentives will be made directly to the customer or as designated by the customer in the Application. Auto-DR Control Incentive payments will only be issued directly to the customer.

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12.1 I understand that energy savings for which incentives are paid cannot exceed my actual electric usage for my customer service account for which the incentives are being requested. Non-SCE supply, such as cogeneration or delivery from another commodity supplier, does not qualify as usage from SCE (with the exception of Direct Access customers or customers paying departing load fees for which SCE collects PPP Surcharge (Public Purpose Programs))

12.2 To be eligible for Program incentives, I understand that if I am not in good standing on all of my service accounts and contracts with SCE or do not meet the program requirements, SCE may hold my incentives or apply them towards amounts I owe to SCE. I agree that I have not and will not apply for or receive rebates, incentives, funding, or services for the solution(s) covered by this Application from any other utility, third party, or government (federal, state or local) program funded by the PPP, taxpayers, or utility Request For Offer (RFO) solicitations unless explicitly exempted. I further agree that I will not apply or receive rebates, incentives, or services for the incentive(s) covered by this Application in an amount greater than the total cost of the solution(s). Because the Programs are funded by California utility ratepayers or Federal taxpayers and administered by SCE, under the auspices of the CPUC, I may face adverse consequences (i.e., a requirement that I return payments that were made to me or a restriction on my eligibility to participate in other programs) if I violate these restrictions.

12.3 I understand that all projects and/or solutions must be completely installed and fully operational one year from SCE's written project Application approval date to be eligible for incentive payments. SCE reserves the right to cease making incentive payment(s), require the return of the total or prorated incentive payments and/or terminate this Agreement if the project is not completely installed and fully operational by such date, unless an installation extension is granted, in writing, by SCE.

13. Estimated Savings May Not Equal Actual Savings: I understand that all energy savings, incentives, and installed costs provided by SCE during the Program Application process are estimates only, and are subject to change based on SCE review and approval and that I am solely responsible for the selection, purchase, installation and ownership of the equipment and services under the Programs.

14. Energy Benefits: As a qualified SCE customer, I certify that the indicated energy savings products are for use in my project site and not for resale. I agree to provide SCE with documents establishing paid proof of purchase and installation of the solutions applied for in this Application. I understand the incentive payments are based on related energy benefits over the life of the product. I agree that if (a) I do not provide Southern California Edison with 100% of the related energy benefits specified in the rebate form for the life of the product or for a period of five (5) years from receipt of rebate, whichever is less, or (b) I cease to be a customer of SCE during said time period, I shall refund a prorated amount of rebate dollars to SCE based on the actual period of time for which I provided the related energy benefits as an electric customer of SCE.

15. Risk Allocation: I UNDERSTAND THAT SCE MAKES NO REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, REGARDING MANUFACTURERS, DEALERS, CONTRACTORS, MATERIALS OR WORKMANSHIP, OR REGARDING SELECTION OR QUALIFICATION OF CUSTOMER'S AUTHORIZED AGENTS. I ALSO UNDERSTAND, AND HAVE CAUSED MY CUSTOMER'S AUTHORIZED AGENT (IF ANY) TO UNDERSTAND, THAT SCE MAKES NO WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE, USE, OR APPLICATION OF THE PRODUCTS OR SOLUTIONS. I AGREE TO HOLD HARMLESS AND RELEASE TO THE EXTENT PERMITTED UNDER APPLICABLE LAW SCE, ITS AFFILIATES, SUBSIDIARIES, PARENT COMPANY, OFFICERS, DIRECTORS, AGENTS AND EMPLOYEES OF EACH OF THEM, FROM AND AGAINST ALL CLAIMS, DEMANDS, LOSSES, DAMAGES, COSTS, EXPENSES, AND LIABILITY (LEGAL, CONTRACTUAL, OR OTHERWISE), WHICH ARISE FROM OR ARE IN ANY WAY CONNECTED WITH ANY OF THE PROGRAMS, INCLUDING, BUT NOT LIMITED TO (1) INJURY TO OR DEATH OF PERSONS, INCLUDING BUT NOT LIMITED TO EMPLOYEES OF SCE OR APPLICANT; (2) INJURY TO PROPERTY OR OTHER INTERESTS OF SCE, APPLICANT, OR ANY THIRD PARTY; (3) VIOLATION OF LOCAL STATE OR FEDERAL COMMON LAW,

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STATUTE OR REGULATION, INCLUDING BUT NOT LIMITED TO ENVIRONMENTAL LAWS OR REGULATIONS; OR (4) STRICT LIABILITY IMPOSED BY ANY LAW OR REGULATION. I ALSO UNDERSTAND THAT IN NO EVENT SHALL SCE BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS OR COMMITMENTS TO SUBCONTRACTORS, AND ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES INCURRED BY APPLICANT.

16. Advertising, marketing, and use of SCE's name: I agree that I will not use SCE's corporate name, trademark, trade name, logo, identity or any affiliation for any reason, including soliciting customers to participate in the Programs. I will make no representations to my customers or any other entity or individual on behalf of SCE.

17. Conflict between terms: Should a conflict exist between this Agreement and the documents incorporated by reference, this Agreement shall control. Should a conflict exist in the documents incorporated by reference, the documents shall control in the following order: (1) SCE's Project Approval Letter accepting the incentive(s) and providing incentive estimate(s) based on solutions approved in the Application; and (2) Applicant's approved Application(s). Should a conflict exist between an applicable federal, state or local law, rule, regulation, or other code and this Agreement, the law, rule, regulation, order or code shall control. Each party shall notify the other as soon as reasonably practical, but no later than seven (7) days, upon the identification of any conflict or inconsistency concerning the Application or any documents incorporated by reference.

### EXPRESS SOLUTIONS ELIGIBILITY REQUIREMENTS

#### PRODUCT ELIGIBILITY FOR EXPRESS SOLUTIONS EQUIPMENT REBATES

Rebate requirements for qualifying project measure(s), referred to as solution(s), are included in the Energy Management Solutions Guides, and complete terms, conditions, and eligibility requirements can be found at [sce.com/express\\_solutions](https://sce.com/express_solutions).

Detailed product location information must be provided with the Incentives Application for all Express Solutions projects. Projects submitted without the required detailed information will be considered incomplete and will follow the same process as all other incomplete applications received.

The customer or the Trade Professional is also required to provide details regarding new installed equipment for every site applied for (e.g., detailed location, Solution Code, quantity and product description).

In addition to meeting technical specifications, there may also be requirements based on the existing equipment being replaced.

#### EXPRESS SOLUTIONS EQUIPMENT REQUIREMENTS

##### All equipment must:

- **Be new** (not used or rebuilt, and not for resale) unless otherwise specified and used at the address for which savings are claimed.
- **Be installed at the site** which has a Southern California Edison account and pays into the PPP Surcharge (Public Purpose Programs).
- **Replace existing equipment** (not incremental purchases or new construction), unless specified by individual solution eligibility requirements.
- **New equipment must use less wattage than existing equipment**, if solution is a retrofit of existing equipment with new equipment.
- **Must be fully installed, operational, and properly commissioned** at time of application review.
- **May only qualify for rebate from one solution code**, unless otherwise specified by individual solution eligibility requirements.
- **Customers must submit existing and new equipment specifications**, when applicable.
- **Meet the requirements stated in the Program Terms and Conditions**

A complete list of qualifying solutions and equipment requirements is included at [sce.com/express\\_solutions](https://sce.com/express_solutions). In addition to meeting technical specifications, there may also be requirements based on the existing equipment being replaced. (See the section below for additional detail). Please review the eligibility requirements for each rebate before purchasing your equipment. If you need assistance determining if the equipment you plan to purchase meets program requirements, contact SCE at 1-800-990-7788.

Express solutions eligibility requirements, continued

### Additional Provisions

- To be eligible for rebate, the installed equipment must be used for the effective useful life of the product(s) or for five years, whichever is less.
- If, for any reason, (e.g., one ceases to be a customer or adds self-generation capacity) you do not provide SCE with documentation of 100% of the related energy benefits for five years or the life of the product you shall refund a prorated amount of the rebate dollars to SCE that SCE, in its sole discretion, determines must be repaid.
- Customers may not receive multiple rebates for replacing the same equipment.
- Example: A customer who receives an rebate for installing an interior induction fixture one year cannot receive another rebate the following year to replace the same interior induction fixture.
- Customers may not receive incentives for rebates paid by another state or local PPP Surcharge (Public Purpose Programs).
- Example: A customer who receives a rebate for installing fluorescent lamps and fixtures cannot receive another rebate for the same lamps and fixtures from PG&E.
- If Trade Professional is receiving the rebate, the invoice must show that the rebate was deducted from the total.

### EXPRESS SOLUTIONS EQUIPMENT REBATE LIMITS

Refer to the Energy Management Solutions Rebates Application or [sce.com/express\\_solutions](https://sce.com/express_solutions) for details.

### EXPRESS SOLUTIONS EQUIPMENT REBATE INSTALLATION COSTS REBATE

The maximum rebate per solution is 100% of the total solution cost, as listed on the proof of payment. Rebates are not paid above the costs listed on the proof of payment.

**Installed costs:** Installed cost includes equipment cost only.

**Sales taxes and freight (shipping):** Are not eligible for rebate, and should not be included in equipment costs.

For complete terms and conditions for Express Solutions, go to [sce.com/express\\_solutions](https://sce.com/express_solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](https://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

Express solutions  
eligibility  
requirements,  
continued

### EXPRESS SOLUTIONS EQUIPMENT REBATE INSPECTIONS

Depending on the application criteria, a project may require a Post-Installation Inspection. Post-Installation Inspections may be mandatory (based on certain project criteria) or random.

#### If your project requires an Inspection

Inspectors will contact you (using the Project Site Information provided in Section 2 of the Incentives Application) to make inspection arrangements.

If based on inspection findings it is determined that the equipment for the solution's applied for rebate:

- Is not installed or is not operational: The application will be declined and a re-inspection fee may be assessed to the Customer or Trade Professional if re-inspection is necessary.
- Is only partially installed: A partial rebate will be paid only for the qualifying equipment that is installed and operational. If the nonrebated equipment is later installed and made operational, a separate (new) application must be submitted for that equipment, and a \$400 re-processing fee will be required.

Inspectors require access to the equipment for verification purposes during normal business hours, 8 am – 5 pm, Monday through Friday, excluding holidays.

Inspectors will make three attempts to contact the site contact to make inspection arrangements. If the inspector is unable to reach the site contact after three attempts, the application will be declined.

### CUSTOMIZED SOLUTIONS ELIGIBILITY REQUIREMENTS

### CUSTOMIZED INCENTIVE RATES

Incentives are calculated by:

- The amount of kWh saved in a 12-month period
- The amount of permanent peak kW reduced according to the DEER guidelines Requirements for qualifying project measure(s), referred to as solution(s), can be found in the Statewide Customized Retrofit Offering Procedures Manual for Business.

Incentives are paid only on the energy savings and demand reduction above and beyond baseline energy performance, which include state-mandated codes, federal-mandated codes, industry-accepted performance standards, or other baseline energy performance standards as determined by SCE.

All energy savings estimates are subject to review and approval by SCE.

For complete terms and conditions for Customized Solutions, go to [sce.com/customized\\_solutions](https://sce.com/customized_solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](https://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

Customized solutions eligibility requirements, continued

### CUSTOMIZED SOLUTIONS PAYMENT SCHEDULE

For most projects, 100% of the approved incentive amount is paid after the Installation Report is approved.

In a few cases where there is uncertainty of energy savings, SCE may require measurement and verification (M&V), up to two years after implementation of the project. If SCE determines that M&V is necessary, the customer or Trade Professional must prepare and submit a M&V plan upon SCE's request for review and approval. For projects where M&V is required, 60% of the approved incentive is paid after the project installation is confirmed.

The incentive payment may be increased by 10% (up to \$50,000) to help defray the M&V costs. The balance of the incentive amount for the solution installed is paid upon approval of the final M&V report (Operating Report).

For complete terms and conditions for Customized Solutions, go to [sce.com/customized\\_solutions](https://sce.com/customized_solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](https://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

Customized solutions eligibility requirements, continued

### **CUSTOMIZED SOLUTIONS INCENTIVES PAYMENT LIMITS**

Incentives are not to exceed 50% of the total project cost or 100% of the incremental project cost. Additionally incentives cannot be paid on energy savings which exceed the energy purchased from SCE during the prior 12 months. Non-SCE supply, such as cogeneration or deliveries from another commodity supplier, does not qualify as usage from SCE (with the exception of Direct Access customers or customers paying departing load fees for which SCE collects PPP surcharges).

### **CUSTOMIZED SOLUTIONS INSPECTIONS**

#### **Pre-Installation Inspection:**

The pre-installation inspection will be conducted to ascertain that:

- The application accurately reflects the proposed project.
- All existing equipment listed in the application is still operational (if not, the associated efficiency incentives may be deemed ineligible).
- Installation has not yet occurred (if field preparations for installation have begun, the project could become ineligible).

Additionally, spot measurements will be taken, if applicable. If the project fails the inspection twice, the application may be declined. If SCE allows a second inspection, the applicant must pay the cost incurred by SCE for conducting any additional inspections.

#### **Post-Installation Inspection:**

Once the project has been completely installed and operational, the applicant or Trade Professional submits an Installation Report (second submittal) to SCE. This form confirms the estimated energy savings, or notes any changes to the project that were made during installation and recalculates the anticipated energy savings and demand reduction values as necessary. The Applicant also attaches any required data and analysis from spot measurement that may have been performed before or after installation.

**The Installation Report must be submitted for a post-installation inspection to be scheduled.** The final approval is the basis for initiating the incentive payment. The Applicant is to submit the Installation Report within 30 days of the project's complete installation.

Upon receipt of the Installation Report, the inspector will schedule a post-installation inspection at the customer project site as soon as possible. The inspector will verify that the new equipment (project) is completely installed and operational, and may conduct spot measurements, if applicable. Complex and multiple-site projects may take longer.

If the project fails the inspection, the application may be declined and the applicant must pay the cost incurred by SCE for conducting any further inspections.

For complete terms and conditions for Customized Solutions, go to [sce.com/customized\\_solutions](http://sce.com/customized_solutions). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](http://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).



Customized solutions eligibility requirements, continued

### Notice of Review Results

SCE will provide the Applicant with written notice of the results of the inspection and review. If approved, the notice includes the approved incentive amount based on SCE's review of the Installation Report and indicates that the incentive is being processed.

If the Installation Report is not approved, the Applicant has 30 days to resubmit a revised Installation Report providing SCE with the requested information. Even after installation, a project may be denied incentive funds if:

- The installation is not consistent with the Customized Solution agreement; or
- The customer or Trade Professional causes unreasonable delays in scheduling an inspection; or
- SCE must ask for clarifying information more than three times.

If an Installation Report is not approved, SCE may terminate the Customized Program Agreement and release the incentive funding reserved for the project.

### Additional Provisions

- To be eligible for incentive, the installed equipment must be used for the effective useful life of the product(s) or for a period of five years, whichever is more.
- If, for any reason, (e.g., one ceases to be a customer or adds self-generation capacity) you do not provide SCE with documentation of 100% of the related energy benefits for five years or the effective useful life of the product you shall refund a prorated amount of the incentive dollars to SCE that SCE, in its sole discretion, determines must be repaid.
- Customers may not receive multiple incentives for replacing the same equipment.

Example: A customer who receives an incentive for installing an interior induction fixture one year cannot receive another incentive the following year to replace the same interior induction fixture.

- Customers may not receive incentives or rebates paid by another state or local PPP Surcharge (Public Purpose Programs).

Example: A customer who receives an incentive for installing fluorescent lamps and fixtures cannot receive another incentive for the same lamps and fixtures from PG&E.

### MIDSTREAM POINT OF PURCHASE (MPOP) INCENTIVE PROGRAM

**What is a Midstream program?**

Midstream programs allow SCE business customers to receive an instant rebate at the point of purchase from a participating distributor without having to fill out an incentive application or apply through SCE's Online Application Tool.

The Midstream program offers LED lighting technologies. For a list of products and incentives, go to: [sceonlineapp.com/midstreampop.aspx](https://sceonlineapp.com/midstreampop.aspx)

**How does it work?**

SCE business customers can choose from a list of pre-approved distributors for the purchase of qualifying LED lamps and fixtures. Approved distributors act on behalf of Southern California Edison and discount the equipment when the customer makes their purchase. Please provide the distributor with your service account and contract information.

**How do the lamps get installed?**

Customers may hire a contractor to install the lamps or fixtures for them, or they may utilize their in house maintenance department.

**How long do I have to install everything?**

To be eligible for incentives equipment must be installed within 60 days of purchase. SCE customers must also allow SCE inspectors on-site to verify installation and ensure qualifying lamps or fixtures were installed.

For program information and a list of approved distributors, go to: [sceonlineapp.com/midstreampop.aspx](https://sceonlineapp.com/midstreampop.aspx), or contact your assigned SCE Account Representative.

**ON-BILL FINANCING PROGRAM (OBF)**

On Bill Financing (OBF) is a program designed to facilitate the purchase and installation of qualified energy efficiency measures by eliminating the burden of up-front costs. The loan payment is estimated based on the amount of projected energy savings.

The OBF program offers:

- 0% interest loans
- No fees or loan costs
- Convenient loan repayment via their utility bill

**CUSTOMER ELIGIBILITY**

In order to qualify for OBF, customers must have an active SCE account and be in good credit standing with SCE without:

- Disconnection notices in the past two years
- 48-hour shut-off notices in the past two years
- Returned checks in the past 12 months
- Deposit on account in the past 12 months
- 3 or more past due notices in past 12 months
- Tax Payer ID / SS# must match our billing system
- Service Account must be active for minimum of two years
- Prior OBF loan defaults

**PROJECT ELIGIBILITY**

To participate in OBF, Business customers must complete the installation of their energy efficiency projects by applying for one or more of the following incentive programs:

- Core – Express (Pending Installation) & Customized Solutions
- Third Party Programs
- Partnerships (Local Govt. | Institutional)
- Behavioral, Retrocommissioning and Operational (BRO)
- Midstream Point of Purchase (MPOP)
- Multifamily Energy Efficiency Rebate Program
- Public Sector Performance Based Retrofit Program
- Strategic Energy Management Program (Capital Projects)
- Commercial Quality Maintenance Program

**OBF LOAN AMOUNT LIMITS AND TERMS**

Customer Segments	Loan Amount Caps	Exception Loan Caps	Loan Terms
Governments and Institutions (G&I)	Min: \$5,000 Max: \$1,000,000	\$4,000,000	Up to 10 Years
Multifamily	Min: \$5,000 Max: \$250,000	\$4,000,000	Up to 10 Years
Business	Min: \$5,000 Max: \$250,000	\$4,000,000	Up to 5 Years

On-bill financing program continued

- Customers are eligible for loans of up to \$4 million per Service Account for unique opportunities to capture large energy savings.
- Loan caps are per Service Account.
- All customers are limited to 10% of the loan budget.

### **OBF PROCESS**

The process for receiving an OBF loan is closely related to the installation and approval of the energy efficiency project through one or more incentive programs. This is how it works:

1. **Customer/Trade Pro submits Incentive & OBF Applications**  
Submit a new Energy Management Solutions Incentives Application together with your On-Bill Financing Application using the SCE Energy Management Online Application Tool at [sceonlineapp.com](https://sceonlineapp.com)
2. **SCE approves your Loan Application and Reserves the Loan amount**  
Upon approval of your credit-worthiness review, project inspection and loan term calculation (LTC), funds will be reserved for your project provided the funds are available, and the estimated loan amount meets program requirements.
3. **Customer/Trade Pro installs project & submits Installation Report**  
Upon receipt of the approval for your Project and OBF Loan Applications you may install your energy efficiency project. When your project installation is complete, submit an Installation Report (IR) form to SCE.
4. **Review and Approval of Project Installation**  
Once your installation is inspected and approved, SCE will process your incentive payment, finalize your On-Bill Financing Loan Agreement and send it to you to be signed.
5. **OBF Loan Funds Distribution**  
Upon receipt of your signed Loan Agreement, SCE will provide you, or your designated payee, with the On-Bill Financing loan proceeds.
6. **Monthly Repayments Begin**  
Your first monthly zero-interest loan repayment will appear on your next scheduled SCE bill (30-60 days).

For additional program information please visit [on.sce.com/obf](https://on.sce.com/obf)

## TRADE PROFESSIONAL PROGRAM

SCE customers may choose to work with a vendor to purchase and install qualifying equipment. The customer is responsible for obtaining their own vendor(s). For the purposes of energy efficiency incentives, vendors are defined as any third-party payee listed on the rebate/incentive application.

Vendors may include but are not limited to:

- Equipment manufacturers, distributors, wholesalers, or retailers
- Equipment contractors (installers)
- Energy service providers

Vendors who promote energy efficiency rebates and incentives should sign and complete a Trade Professionals' Participation Agreement, stating that they understand and will adhere to the rules governing vendor activities for SCE's energy efficiency programs.

Vendors are not commissioned or endorsed by SCE. Vendors who may solicit customers for participation in SCE's Energy Efficiency or Automated Demand Response programs have only completed the recommended vendor forms, they are not affiliated with SCE, have not been selected by SCE, and have no other contractual agreement with SCE. Customers should give careful consideration to the process and criteria they use to select vendors, in the same way they might competitively select any other professional service provider. SCE provides the Trade Professional (TradePro) Program Participant List for the convenience of its customers and TradePros. TradePros are listed only if they elect to provide their name and contact information and meet SCE's requirements for a TradePro, and SCE is not, and shall not be deemed to be, a party or guarantor to any agreement between a customer and a TradePro, and SCE shall not be liable for any actions or inactions of a TradePro or a customer.

The customer may authorize SCE to release their incentive payment directly to the vendor or any other third-party payee. To make the rebate check payable to another party, the vendor's information must be included in the "Payment Release Authorization" section on the rebate application. Also, if the customer is designating their payment to a vendor, they must list the vendor's taxpayer ID number in the section of the application labeled "Business Payee Tax Information." Whether the rebate is paid directly to the customer, a designated vendor, or any other third party, the customer is still responsible for ensuring the equipment provides the energy savings as specified in Section 9 of the Terms and Conditions on the rebate application and in this Directory.

By allowing the vendor to complete the "Payment Release Authorization" section on the rebate/incentive application, the customer is granting permission for SCE to release information, such as their account number and rate schedule, to the vendor (the new payee) as required to process the rebate application and resolve any issues surrounding the potential rebate.

The vendor's invoice must clearly show the rebate is being deducted from the sales price.

A vendor that is designated as payee must have completed and signed a Trade Professional Participation Agreement. These state that the vendor has read and understands the program participation guidelines. Contracts are effective for the duration of energy efficiency business program cycle. However, when a new program cycle begins, a new agreement may be required for a vendor to remain eligible to receive payment of the Technology rebate or incentive.

Southern California Edison is not responsible for disputes between a vendor and customer. SCE's incentive programs were developed and designed with SCE business customers in mind, and as such, are Customer incentive programs. If the new, energy-efficient equipment is removed or found to be deficient, the customer is responsible for replacing it even if the vendor was the recipient of the rebate or incentive; otherwise, the customer is subject to refunding SCE a prorated amount of the incentive. Therefore, the customer must make sure they thoroughly understand the vendor's contract, including the equipment warranty and terms of the agreement.

To answer any pre-application submittal inquiries, call 866-635-6015

**TRADE PROFESSIONAL PARTICIPATION AGREEMENT**

Southern California Edison Company (“SCE”) implements the various Energy Management Solutions programs (the “Programs” or “Energy Management Programs”) funded by California utility ratepayers under the auspices of the California Public Utilities Commission (the “CPUC”) that provide various incentives and rebates to encourage customers to install measures to improve energy efficiency within SCE’s service territory.

This Trade Professional Participation Agreement (“Agreement”) is executed by [insert legal business name] (“TradePro” or “Trade Professional”) so that the TradePro may participate in certain SCE Programs on behalf of one or more SCE customers, if a customer designates the TradePro to act as its Trade Professional.

- a. By signing this Agreement, the TradePro hereby affirms that it wishes to be eligible to act as a TradePro for the Programs, if an SCE Customer designates the TradePro as its Trade Professional.
- b. Various Trade Professionals may participate in the Programs by providing energy management products and/or services to Customers resulting in reduced energy demand, also known as Energy Efficiency Measures (“EEMs”) while the Programs are in effect.
- c. When designated, in writing, by an SCE Customer, an eligible Trade Professional may act on behalf of that SCE Customer and may submit rebate and incentive applications on behalf of the designating customer. Trade Professionals may also be designated by such Customer(s) as the “Payee” of SCE incentives, and On Bill Financing (OBF) Loan disbursements.

**BENEFITS FOR PARTICIPANTS**

Trade Professional participants who execute this Agreement gain access to the following additional benefits:

- 1. Receive rebate payments: With an SCE customer’s written approval, SCE will release rebate and OBF payments to the TradePro.
- 2. Inclusion in SCE’s Trade Professional Program Participant List: Expand Trade Professional visibility to customers browsing the SCE Trade Professional Participant List on the SCE Energy Management Online Application Tool (OLT) website. (If you would like to appear on this list, please check the box at the end of this Agreement to authorize SCE to place your company information on the list.)
- 3. Receive up-to-date information from SCE about SCE rebate and incentive offerings.
- 4. Promote collaboration and a positive working relationship between TradePro and SCE.

**Participation Limits**

If designated by an SCE customer, Trade Professional will act as customer’s agent under the relevant Energy Management Program. In addition to complying with this Agreement, Trade Professional must comply with the terms and conditions of the relevant Energy Management Program for which it submits an application on behalf of an SCE customer. See [sceonlineapp.com](http://sceonlineapp.com) for more details.

The Programs have a limited budget and duration. Incentives pursuant to the Programs are paid to qualifying customers on a first-come, first-served basis until the end of the relevant program period or until funds are no longer available, whichever comes first. First-come, first-served status will be determined by the date the incentive application is submitted, rebates through the SCE Energy Management Online Application Tool at [sceonlineapp.com](http://sceonlineapp.com). Program rules and incentives may change with little or no notice, including suspension or expiration of a measure, and the TradePro should refer to the SCE Energy Management Online Application Tool for current information on available eligible measures, rebates/incentives, rebate/incentive limitations, and qualifying criteria. Other terms and conditions apply to each Program.

Incentives are subject to certain equipment and/or project cost limitations. See specific Program terms and conditions for such limitations and required project cost documentation. Trade Professionals must submit an invoice that reflects the purchase price of the measure equipment, along with all required documentation pursuant to the terms and conditions of the relevant Program. Additional documentation supporting actual cost may also be required including, but not limited to, purchase invoices from Trade Professional's distributor. SCE cannot accept revised documentation showing revised payment costs. Trade Professionals must provide customers with applicable equipment warranty information for all products installed.

**Inspections**

Pursuant to each Program, a measure must be completely installed and operational prior to Trade Professional applying for an incentive or rebate on behalf of a customer. SCE reserves the right to inspect any installation before processing an application for payment.

SCE reserves the right to utilize special inspection levels for specific Trade Professionals based on past performance.

Should an incentive or rebate application be rejected upon initial inspection, SCE Program Management may authorize, at its sole discretion and subject to a \$400.00 fee, a site re-inspection and/or application re-processing. SCE will not authorize more than one site re-inspection or application re-processing. If Trade Professional resubmits an initially rejected application, the second inspection will be considered final, and resubmittal of the rebate application will not be accepted. Please see Program policy manual and guidelines for additional details at [sceonlineapp.com](http://sceonlineapp.com).

**Trade Professional Code of Conduct**

To participate in SCE's Energy Management Programs as a Trade Professional (if designated in the "Trade Professional" section of the program incentives application), TradePro agrees to:

1. Read, understand, and comply with all of the Terms and Conditions of the specific Energy Management Program(s) for which the TradePro is submitting incentive applications on behalf of the SCE customer.
2. Properly represent to SCE Customers the nature of TradePro's role in helping offset energy management costs with SCE incentives. TradePro specifically agrees and acknowledges that SCE is not in the business of energy management sales or services. In performing any Programs' service, TradePro shall represent to its customers that such services are provided by TradePro alone, and not by SCE. TradePro additionally agrees that it:
  - a. Shall not state or in any way imply to customers or any person (verbally or in writing), that TradePro, or any representative of TradePro, is employed by or working on behalf of SCE.
  - b. Shall not represent to customers that SCE endorses any specific product(s) or service(s).
  - c. Shall not use SCE's name or logo in promotional materials or advertisements. Notwithstanding the foregoing, TradePro may use SCE's specific Energy Management Program names, without mentioning SCE by name.

Example: "These energy solutions may qualify for your local utility's Customized Solutions' incentives."

3. Provide customers with project information and documentation that is true and accurate. Refer to the Solutions Directory for SCE incentives availability, eligibility requirements, and required application documentation. As a TradePro, your role includes providing a clear and correct explanation to SCE customers about the process of participating in SCE Programs covered by this Agreement.
4. Contact an SCE representative before a Calculated Retrofit Incentive project is initiated to confirm the customer's eligibility, program availability, identify the appropriate forms, advice on technical aspects of your application, and help walk you through the process.
5. Deliver quality services, including quality project consultation and installation.
6. Comply with all applicable local, state, and federal laws and license requirements when performing energy management project installations and related functions.
7. Work with customers to resolve any disputes. TradePro acknowledges that SCE is not responsible for resolving any disputes between the customer and TradePro.
8. Attend required training as organized and directed at SCE's discretion.
9. Notify SCE in writing within 3 business days if the Trade Professional is suspended or removed from participation in any California energy management program, including: investor owned utility or municipal utility energy-efficiency program(s). Additionally, notify SCE in writing within 3 business days if the Trade Professional is disciplined or suspended by a state or local licensing board responsible for licensing TradePro.

**TRADE PROFESSIONAL INFRACTIONS AND/OR VIOLATIONS; BREACH**

**1. Misrepresentation of Role/Relationship with SCE**

TradePro shall not use the SCE name or logo in any promotional literature, advertisements or writing of any kind. This prohibition includes, but is not limited to: TradePro stating in writing or verbally that TradePro is an agent for SCE or otherwise 'approved' by SCE. Any such actions by TradePro will be a breach of this Agreement.

- One occurrence – SCE will send warning to the TradePro mailing address.
- Two occurrences – SCE, at its discretion, will terminate this Agreement, and TradePro will be disqualified from participation in the Programs, including disqualification of any applications for projects that are not fully complete at the time of revocation. Notification of termination will be sent to the TradePro mailing address.

**2. Misrepresentation of Programs**

TradePro shall not misrepresent the Programs to a customer, including but not limited to: guaranteeing a particular energy savings' amount and/or stating that On Bill Financing (OBF) Program is no cost or free. Any such representations by TradePro will be a breach of this Agreement.

- One occurrence – SCE will send warning to TradePro mailing address
- Two occurrences – SCE, at its discretion, will terminate this Agreement, and TradePro will be disqualified from participation in the Programs, including disqualification of any applications for projects that are not fully complete at the time of revocation. Notification of termination will be sent to the TradePro mailing address.

**3. Fraudulent Documentation**

TradePro shall not provide incorrect or fraudulent documentation. In this regard, TradePro shall not use white out on any documentation without an explanation of the reason, fill out customer information



on an OBF loan agreement on a customer’s behalf, permit customer to sign incomplete forms, falsify the scope of work, or submit rebate applications for measures that are not installed and operational. Any such submittals of fraudulent or “doctored” documentation by TradePro will be a breach of this Agreement.

- One occurrence – SCE, at its discretion, will terminate this Agreement, and TradePro will be disqualified from participation in the Programs, including disqualification of any applications for projects that are not fully complete at the time of revocation. Notification of termination will be sent to the TradePro mailing address.

**4. Quality of Work/Customer Complaints (Substantiated)**

TradePro shall be responsible for resolving all customer complaints. If a customer complains to SCE that TradePro has not resolved its concerns, SCE may, in its sole discretion, follow up with customer regarding such complaints. If SCE receives substantiated customer complaints that TradePro is performing subpar, SCE may take the disciplinary action set forth below. Sub-par work includes, but is not limited to, incomplete installation, work not performed to scope, sending work invoices to the customer or SCE prior to completion, unsafe or potentially hazardous installation, and/or installing non-functioning equipment. If TradePro consistently performs sub-par work, defined as receiving 3 or more separate substantiated customer complaints in a calendar year, TradePro will be in breach of this Agreement.

- One customer complaint – SCE will send warning to the TradePro mailing address
- Two customer complaints – SCE, at its discretion, will suspend TradePro participation in the Programs, for six (6) months from the date of the second complaint. Notification will be sent to the TradePro mailing address.
- Three customer complaints – SCE, at its discretion, will terminate this Agreement and TradePro will be disqualified from participation in the Programs, including disqualification of any applications for projects that are not fully complete at the time of revocation. Notification of termination will be sent to the TradePro mailing address.

**5. Not Adhering to Program Guidelines**

TradePro shall adhere to all Program rules and guidelines, including, but not limited to, only purchasing and/or installing measure(s) after receiving Notice to Proceed (NTP), disclosing “Supplemental Installation TradePro” (sub-contractor) on program application, sending work invoices to customer or SCE only after project completion. Failure of TradePro to adhere to Program guidelines will be a breach of this Agreement.

- One occurrence – SCE will send warning to the TradePro mailing address. At its discretion, SCE will require TradePro to complete and pass a training module that includes the program guideline(s) breached.
- Two occurrences – SCE, at its discretion, will suspend TradePro participation in SCE programs, for six (6) months from the date of the second complaint. Notification will be sent to the TradePro mailing address. At its discretion, SCE will require TradePro to complete and pass a training module that includes the program guideline(s) breached.
- Three occurrences – SCE, at its discretion, will terminate this Agreement and TradePro will be disqualified from participation in the Programs, including disqualification of any applications for projects that are not fully complete at the time of revocation. Notification of termination will be sent to the TradePro mailing address.

In the event that an application is received from a TradePro that has been suspended or terminated from participating in the Programs, the affected customers will be sent a notice with the following information:

A (program name) application was received from you on (date). The TradePro listed on your application has been (suspended/terminated) and is not currently qualified to submit applications on behalf of customers. If you would like to continue with your project, please select another TradePro, or resubmit your application if you will be self-administering this project. Please contact us if you have questions or concerns regarding your application.

**Other Terms and Conditions**

In addition to complying with all of the Terms and Conditions of the particular Program(s) for which TradePro is applying for incentives on behalf of a Customer, the following additional Terms and Conditions apply. Program Terms and Conditions are subject to change. In the event of a direct conflict between the Terms and Conditions of a particular Program and this Agreement, the Terms and Conditions of the Program shall apply.

**Term, Termination and Suspension.** Subject to this Agreement and the Terms and Conditions of the Programs, TradePro will be an eligible Trade Professional until SCE notifies TradePro in writing, in SCE's sole discretion, that the TradePro is no longer an eligible TradePro as set forth in this Agreement. In addition, SCE reserves the right to limit, suspend, or terminate the TradePro's participation in SCE Energy Management Programs if, in SCE's sole discretion, the TradePro violates this Agreement or the Programs' Terms and Conditions. SCE may maintain a log of customer complaints, issues, and other instances of breach of the Agreement or the Programs' Terms and Conditions by the TradePro. SCE reserves the right to share any information related to TradePro's breach of this Agreement or noncompliance with Program Terms and Conditions with other California Investor-Owned Utilities (IOUs) and the CPUC. Further, SCE has no obligation to maintain, expand or continue the TradePro program.

**Audit.** SCE shall have the right to audit TradePro at any time during the term of this Agreement and for five (5) years thereafter. The right to audit shall include the right to review and to copy any records or supporting documentation pertaining to TradePro's performance of this Agreement, including but not limited to TradePro's compliance with the Confidentiality and Customer Data Protection requirements set forth herein, during normal business hours. TradePro agrees to allow reasonable access to SCE to interview any staff of the TradePro who might reasonably have information related to such records. Additionally, TradePro must provide requested information, including queries of their databases by SCE in the form and time requirements stipulated by SCE in ad hoc data requests.

**CPUC Authority.** The Programs, this Agreement, and all documents referenced herein, shall at all times be subject to such changes or modifications by the CPUC, as it may from time to time direct in the exercise of its jurisdiction; provided however, that in the event that any such changes or modifications affect this Agreement or the obligations of either SCE or TradePro under this Agreement, SCE shall provide written notification to TradePro of such changes or modifications. The TradePro understands that the CPUC may commence an investigation or other regulatory proceeding in connection with the Programs and/or this Agreement. TradePro agrees to cooperate with any such investigation or proceeding for a period of five years commencing on the date this Agreement terminates.

**Confidential Customer Data.** TradePro acknowledges that it may obtain information and data regarding an SCE customer that is furnished, disclosed, or otherwise made available to TradePro, pursuant to TradePro's performance of this Agreement, including without limitation personal information such as the customer's name, address, contact information, service account number on the customer's electric bill, user name, password, financial status, and social security number, and any information regarding the customer's energy usage or billing ("Confidential Customer Data") from SCE customers. TradePro agrees that it shall observe and comply with all applicable local, state, or federal law, statutes, ordinances, rules, or regulations with regard to collection, retention and transmittal of Confidential Customer Data, including, but not limited to, data privacy, data protects, and consumer privacy laws. TradePro agrees that it shall take information security and protection measures consistent with industry best practices, as such practices evolve and improve during the term of this Agreement. TradePro agrees that it shall access and use Confidential Customer Data solely for the purpose of performing its duties and obligations under this Agreement and/or as required for the Programs.

TradePro shall: (i) keep Confidential Customer Data confidential, including, but not limited to holding and transmitting such Confidential Customer Data to SCE, in a manner that protects it from unauthorized disclosure; (ii) collect, store, and use Confidential Customer Data in accordance with applicable laws; (iii) collect and process Confidential Customer Data fairly and lawfully, ensuring that Confidential Customer Data is adequate, relevant, and not excessive in relation for the purposes for which it is processed; (iv) ensure that Confidential Customer Data is accurate, and, when necessary, kept up to date; and (v) keep Confidential Customer Data no longer than is necessary for the purposes for which it is being processed.

**Indemnification.** TradePro shall defend, indemnify and hold harmless SCE, its current and future parent company, subsidiaries, affiliates, and their respective directors, officers, managers, shareholders, employees, agents, and representatives (each, an “SCE Indemnified Party”), from and against any claims, suits, actions, judgments, losses, expenses, costs (including reasonable attorneys’ fees), damages, demands, and liability (legal, contractual or otherwise) that an SCE Indemnified Party may incur as it relates to TradePro’s obligations under this Agreement and that arise out of or in connection with any third party claim that alleges TradePro’s:

- (i) Failure to comply with any applicable local, state, or federal law, statutes, ordinance, rules, or regulation, including environmental laws or regulations or strict liability imposed by any laws and regulations;
- (ii) Material breach of any provision, warranty or representation of this Agreement or breach of any applicable term and condition of the relevant Program;
- (iii) Violation of intellectual property or other proprietary rights as a consequence of an SCE Indemnified Party’s authorized use of any artwork, logo, trademark, trade name, copyright, provided by the TradePro pursuant to this Agreement;
- (iv) Act of omission or commission, or such an act of its employees or authorized agents, which results in (a) injury to or death of persons or (b) injury to property or other right or interest of any person;
- (v) Making false or misleading statements or representations pertaining to the Programs; or
- (vi) Failure to comply with any obligation in Confidential Customer Data section of this Agreement.

**Dispute Resolution.** If a dispute arises, the TradePro and SCE shall attempt in good faith to resolve any dispute arising out of or relating to this Agreement promptly by negotiations between a vice president of SCE, or his or her designated representative, and an executive of similar authority of TradePro. Either Party may give the other Party written notice of any dispute. Within twenty (20) calendar days after delivery of said notice, the representatives shall meet at a mutually acceptable time and place, and shall attempt to resolve the dispute. If the matter has not been resolved within thirty (30) calendar days of the first meeting, either Party may pursue other remedies, including non-binding mediation. All negotiations and any non-binding mediation conducted pursuant to this clause are confidential and shall be treated as compromise and settlement negotiations, to which Section 1152 of the California Evidence Code shall apply and is incorporated herein by reference.

Notwithstanding the foregoing provisions, a Party may seek a preliminary injunction or other provisional judicial remedy if in its judgment such action is necessary to avoid irreparable damage or to preserve the status quo.

**Waiver of Damages.** TradePro acknowledges and agrees that SCE is not liable to TradePro for any losses or damages, including incidental or consequential damages, arising from this Agreement. Furthermore, SCE makes no representation or warranty, and assumes no liability with respect to quality, safety, performance, or other aspect of any design, system or appliance installed pursuant to this Agreement, and expressly disclaims any such representation, warranty or liability. In the event a Program or Programs are terminated or TradePro is no longer an eligible Trade Professional, TradePro will not be entitled to any payment for lost or anticipated profits or overhead on forecasted levels of sales. SCE SHALL NOT BE LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES UNDER THIS AGREEMENT.

**Compliance with Laws.** TradePro agrees to comply with all federal, state, and municipal laws, ordinances, rules, orders, and regulations, which apply to its actions under this Agreement and the Programs.

**Double Dipping.** TradePro certifies that it has not and will not receive any incentive payments for the same product, equipment or service from more than one California investor-owned utility or third party energy efficiency program offering incentive(s) for the same product, equipment, or service funded with CPUC Public Purpose Program surcharges.

**Governing Law; Jurisdiction and Venue.** This Agreement will be interpreted under, and any disputes arising out of this Agreement will be governed by, the laws of the State of California, without reference to its conflicts of law principles. TradePro irrevocably consents to the jurisdiction of the state and federal courts located in the State of California in connection with all actions arising out of or in connection with this Agreement, and waives any objections that venue is an inconvenient forum.

**Waiver.** Any delay or failure to enforce or insist on strict compliance with any provision of this Agreement will not constitute a waiver or otherwise modify this Agreement. A party's waiver of any right granted under this Agreement on one occasion will not: (i) waive any other right; (ii) constitute a continuing waiver or (iii) waive that right on any other occasion.

**Severability.** If any provision of this Agreement is found to be invalid or otherwise unenforceable, that provision will be modified to the extent necessary for it to be enforceable. However, such a finding will not affect the validity of any other provision of this Agreement, and the rest of this Agreement will remain in full force and effect.

**Integration.** This Agreement is the entire agreement between SCE and the TradePro concerning its subject matter and replaces and supersedes all prior or contemporaneous proposals, understandings and agreements, written, electronic or oral. To the extent any other document issued by either party conflicts with this Agreement, this Agreement will control.

**Amendment.** No amendment, change, or modification of this Agreement or any of the terms, conditions, or provisions hereof shall be effective unless duly embodied in a written instrument signed by the duly authorized representative of both Parties.

**Tax Liability.** Financial incentives/rebates are taxable to the entity that receives the incentives/rebates check, whether it is the Trade Professional or Customer. Incentives/rebates greater than \$600 will be reported to the IRS unless documentation of tax-exempt status is provided.

# ENROLL

SCE offers numerous Demand Response (DR) programs to help you manage your energy consumption and reduce your business's energy costs. DR programs offer rate discounts, incentive payments, or bill credits for shifting or reducing your consumption when called upon by SCE.

Visit [www.sce.com/drp](http://www.sce.com/drp) for more detailed information.

**AGRICULTURAL & PUMPING INTERRUPTIBLE PROGRAM (AP-I)**

A voluntary non-penalty interruptible program that offers year-round incentives in the form of bill credits for allowing SCE to temporarily interrupt your electric service. SCE will transmit a signal to a load control device installed on your pumping equipment, which will automatically turn off your total load served for the duration of the event.

**Things to consider in order to participate in this program:**

- Agricultural and pumping customers with a measured demand of 37 kW or greater, or with a connected pumping load of 50 horsepower or greater.
- Events can be called year-round, but are limited to 6 hours per event and 25 events per year.

**BASE INTERRUPTIBLE PROGRAM (BIP)**

A voluntary penalty interruptible program that offers incentives in the form of bill credits for reducing your energy usage to a pre-determined level, also known as a Firm Service Level (FSL), for your facility with just 15 or 30 minutes notice. Your facility's electrical usage must remain at or below your FSL throughout the event to avoid Excess Energy Charges.

**Things to consider in order to participate in this program:**

- You must be a non-residential customer with a monthly electric demand of 200 kW or greater.
- You must be able to reduce at least 15% of your maximum electrical demand (a minimum of 100 kW) during each interruption event.
- You must be able to reduce your electric demand within 15 or 30 minutes notice.
- Events can be called year-round, but are limited to one event per day and 10 events per month.

**CAPACITY BIDDING PROGRAM (CBP)**

A flexible bidding program in which participants are paid a monthly incentive to reduce load by a predetermined amount during CBP events with either a day ahead or day-of notification. Customers may also participate in this program through an authorized Demand Response Aggregator or may self-aggregate their service accounts.

**Things to consider in order to participate in this programs**

- You will need to reduce electricity by an agreed-upon amount that can be changed on a month-to-month basis.
- Customers with multiple facilities like the flexibility that CBP offers to manage load reductions among their facilities.

For more information about SCE's demand response programs, visit [sce.com/drp](http://sce.com/drp). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](http://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

### CRITICAL PEAK PRICING (CPP)

CPP is available to commercial and industrial customers and provides bill credits during the summer months. In exchange for the credit, SCE will call CPP events when electricity demand and/or prices climb. During these events your energy charges will rise significantly. However, if you can reduce or reschedule your usage to off-peak times on an event day, CPP may be a way to help lower your overall electric bill.

#### Things to consider in order to participate in this program:

- You should be able to reduce your electric load between the hours of 4pm and 9pm weekdays.
- You receive bill protection for the first 12 consecutive months on CPP — this ensures that the total amount you pay on CPP during your first year will not be more than the amount you would have paid on your base rate.
- You must be a bundled service customer (i.e., you must procure your electrical generation from SCE) to enroll in CPP.
- Events can be called year-round, but are limited to 12 events per calendar year.

### REAL-TIME PRICING (RTP)

Real-Time Pricing rates are electrical rates that vary based on the recorded temperature in downtown Los Angeles from the previous day.

#### Things to consider in order to participate in this program:

- You should be able to significantly reduce your electrical load during the specific hours of the day when the energy costs exceed your price level tolerance.
- You will need to acquire the daily maximum temperature from the National Weather Service for downtown Los Angeles.
- You must be a bundled service customer (i.e., you must procure your electrical generation from SCE) to enroll in this rate.

Some customers that operate 24/7 find RTP a good way to minimize their annual electric bill. All commercial customers are eligible for RTP. Pumping and Agricultural Real-Time Pricing (PA-RTP) is also available for customers with 70% or more of their electrical usage being used for general agricultural purposes or for general water or sewage pumping.

### SUMMER DISCOUNT PLAN (SDP) PROGRAM

SDP is available to commercial and industrial customers and provides bill credits during the summer months. In exchange for the credit, SCE will install a small remote-controlled device on or near your central air-conditioning (A/C) unit(s). The device allows SCE to turn off or cycle your A/C compressor(s) for up to 6 hours a day during an event.

#### Things to consider in order to participate in this program:

- A cycling device must be installed on or near your participating central A/C unit(s).
- You must be on the program for a minimum of 12 consecutive months.
- Events can be called year-round, but are limited to 6 hours per event.

### THIRD-PARTY DEMAND RESPONSE PROVIDERS

SCE contracts with a number of authorized third-party demand response providers, also known as DR Aggregators, who develop and manage their own DR programs which may be available to you. By partnering directly with businesses, DR Aggregators are able to pool or aggregate customers under their DR program to achieve energy reductions. DR Aggregators provide their aggregated DR resources to SCE and are responsible for reducing electrical load based on the capacity commitment they have with SCE.

#### Things to consider in order to participate in this program:

- You will need to contract with an authorized third-party, such as an Local Capacity Requirement Request For Offer (LCR RFO) or Preferred Resources Pilot Request For Offer (PRP RFO) Aggregator, to participate.
- Compensation and incentives are provided by the DR Aggregator and are based upon the terms and conditions of your agreement with them.

For more information about SCE's demand response programs, visit [sce.com/drp](https://www.sce.com/drp). Please refer to the "What's New" section of the Online Application ([sceonlineapp.com](https://www.sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

### AUTO-DR CONTROL INCENTIVES (AUTO-DR)

#### ELIGIBILITY

The Auto-DR Control Incentives ([on.sce.com/autodr](http://on.sce.com/autodr)) program is open to all SCE business customers in SCE's service territory with an installed interval or Edison SmartConnect® meter at each service account site. Customers must meet the registered demand levels, or aggregated load levels outlined by the program(s) in which they are enrolled or will enroll in. For more information about SCE's DR programs, please visit [sce.com/drp](http://sce.com/drp). LCR RFO participants cannot receive Auto-DR incentives.

#### AUTOMATED DEMAND RESPONSE EXPRESS CONTROL INCENTIVES (AUTO-DR EXPRESS)

SCE offers incentives for the purchase and installation of standard technologies such as dimmable ballasts, temperature reset controls for HVAC, and duty-cycling of HVAC compressors and supply fans which can be used to automatically reduce load during demand response events. Offices and retail stores with 50 kW–499 kW of maximum demand or food stores with 100 kW–250 kW of maximum demand can qualify for Auto-DR Express. Customers selecting the Auto-DR Express option can qualify for up to 100% of eligible incentives (capped at \$300 per kW of predetermined load reduction) upon equipment verification and demonstration. Multiple incentives cannot be paid for the same technology. Your facility's maximum kW (demand) will be based on the most recent 12 months of usage.

#### AUTOMATED DEMAND RESPONSE CUSTOMIZED CONTROL INCENTIVES (AUTO-DR CUSTOMIZED)

Customers can receive incentives up to \$200 per kW of verified load reduction (up to 75% of eligible costs) for the purchase and installation of technologies that automatically reduce electricity use during demand response events without the need for manual intervention. Each qualifying facility must be able to provide a minimum of 30 kW of load reduction at each location or site. Manual or semi-automated controls are not eligible for incentives. This includes improvements to existing equipment, behavioral changes, maintenance service fees, recurring service fees, and metering equipment.

To be eligible for any Auto-DR Control Incentives, your facility (i) must be receiving bundled or direct access electric service from SCE, (ii) must have an interval or Edison SmartConnect® meter, (iii) must be billed on an SCE commercial, industrial, or agricultural electric rate schedule, and (iv) must have purchased and installed a qualifying demand response solution. To qualify for Control incentives, you must enroll and/or remain enrolled in a Qualifying Demand Response Program for 36 consecutive months (upon receipt of Control incentives).

### AUTO-DR CONTROL INCENTIVES (AUTO-DR)

CONTINUED

#### VERIFICATION OF LOAD REDUCTION

To qualify for Auto-DR Control Incentive funding, a verification/ demonstration of the load shed capability and functionality of the equipment must be performed. This verification is performed by an independent third party, Program Verification Engineer (PVE), not affiliated with the assigned engineer or the controls contractor. The demonstration is simple and consists of three steps:

1. Identify demand response enabling equipment/device for which you are requesting Auto-DR funds
2. Demonstrate enabling demand response by activating this equipment and holding the targeted load shed for at least two hours
3. Demonstrate the ability to return to normal facility operations

The measurement and verification (“M&V”) of the approved kW reduction for Auto-DR Customized projects will be performed by the PVE using interval meter data for your facility and comparing this with an established baseline. In determining incentive payments, SCE retains sole discretion to determine the appropriate baseline values and load which can be dispatched for reduction to determine incentive payments. If you are also considering implementing an Energy Efficiency (EE) or Distributed Generation (DG) project (such as solar, energy storage, or cogeneration), it is important to understand that measures like these may reduce your peak energy usage baseline. The peak energy usage baseline is used in the calculation of your incentives under the Auto-DR program.

#### PROOF OF PURCHASE AND INSTALLATION

With any Auto-DR application you will be required to provide proof of purchase and installation (including, if applicable, proof of payment of third-party installation), of the qualifying demand response solution by attaching receipts, cancelled checks, credit card statements and other documentary proof to the application. If applicable, for proof of payment of third-party installation, SCE requires an itemized invoice from the third-party installation contractor that clearly breaks down each item of labor and material (if any) that was invoiced by the third-party contractor for the installation of the qualifying demand response solution, and proof of payment of the invoiced costs.

The Auto-DR program will reimburse reasonable in-house labor costs and related expenses associated with the installation of the qualifying solution(s). Reimbursable in-house costs shall be limited to labor and other expenses directly incurred for design, engineering, and installation activities, and shall not include indirect labor or overhead costs. SCE reserves the right to consult with one or more qualified third parties of its own choosing to determine the reasonableness of your in-house labor-related expenses.

Note: To be eligible for an incentive, a customer must own the qualifying demand response solution outright. The Cloud portion of a control, leased equipment, metering equipment, service contracts, and any recurring costs do not qualify under the Auto-DR program.

SCE may request proof of progress towards completing a project for which a reservation was approved at any time during the reservation period. Failure to demonstrate adequate performance towards completion of a project for which a reservation was approved may result in forfeiture of the reservation. SCE also reserves the right to modify or reject any reservation request that, in SCE’s sole judgment, violates the requirements of the Auto-DR program. While a reservation reserves funds for a project, payment of incentive is not guaranteed and is subject to post-installation performance verification.



# MAXIMIZE

## CONTROL INCENTIVES

Auto-DR is an “enabling Control” incentive program that pays up to 100% of a customer’s project cost for the installation of a qualifying EMCS. Rather than shutting down process loads or reducing lighting and HVAC manually, Auto-DR sends an automated signal from a central server via a dedicated internet line to the customer’s EMCS, which then automatically activates a pre-programmed load reduction strategy.

The Auto-DR program automatically initiates the sequence of steps necessary to reduce electrical load at the customer’s facility when the utility sends the communications signal via the OpenADR 2.0b National Communications Standard (a worldwide adopted Internet protocol used to communicate with the customer’s DR-related equipment). The goal is to maximize the reliability and consistency of available kilowatt (kW) capacity in DR programs by ensuring that the kW demand reductions during DR events are as realistically achievable as possible, and by making it easier for Auto-DR customers to participate consistently in as many DR events as possible. Depending on the DR program a customer is enrolled in, the customer receives either a day-ahead or day-of event notification. When we call a DR event, Auto-DR customers always have the option of overriding their load shed strategy by electing not to participate in the event or by updating (changing) their load reduction strategy for that particular event.

By automating the customer’s load reduction strategy, Auto-DR makes participation in DR events easier, while also allowing customers the flexibility to override or change their participation strategy for any event. This provides the customer and SCE with more consistent and reliable load reduction. SCE offers two types of DR Control Incentives:

### AUTOMATED DEMAND RESPONSE EXPRESS CONTROL INCENTIVES (AUTO-DR EXPRESS)

Incentives are available for standard technologies such as dimmable ballasts, temperature reset controls for HVAC, and duty-cycling of HVAC compressors and supply fans which can be used to automatically reduce load during demand response events. Customers selecting the Auto-DR Express option can qualify for incentives up to 100% of the total eligible project cost (capped at \$300 per kW of predetermined load reduction) upon equipment certification and demonstration.

**To qualify for the Auto-DR Express program, you must enroll and participate in one of the following DR Programs for a minimum of 36 consecutive months:**

- Critical Peak Pricing (CPP)
- Real-Time Pricing (RTP)
- Capacity Bidding Program (CBP)
- Demand Response Auction Mechanism (DRAM)(PDR products only)

### AUTOMATED DEMAND RESPONSE CUSTOMIZED CONTROL INCENTIVES (AUTO-DR CUSTOMIZED)

An incentive program that provides reimbursement for the purchase and installation of technologies and equipment that facilitate sitewide automatic load reduction during demand response events. This equipment will be remotely activated (via a dedicated internet line) upon receipt event or price signals from SCE. SCE reimburses up to \$200 per kW of measured and verified load reduction (capped at 75% of the total eligible project cost).

**To qualify for the Auto-DR Customized program, you must enroll and participate in one of the following DR Programs for a minimum of 36 consecutive months:**

- Critical Peak Pricing (CPP)
- Real-Time Pricing (RTP)
- Capacity Bidding Program (CBP)
- Demand Response Auction Mechanism (DRAM)(PDR products only)

Customers with existing energy management systems or those proposing to install a new system are good candidates for Auto-DR.

For complete terms and conditions, contact the Auto-DR helpdesk at [autodr@sce.com](mailto:autodr@sce.com). Please refer to the “What’s New” section of the Online Application ([sceonlineapp.com](http://sceonlineapp.com)) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online). For more information on the Auto-DR Program, including program guidelines and requirements, baselines, eligibility and Control Incentives, please review the Program Guidelines at: <http://on.sce.com/autodr>.

We encourage you to use the Online Application Tool available on [sceonlineapp.com](http://sceonlineapp.com) to complete and submit your application.

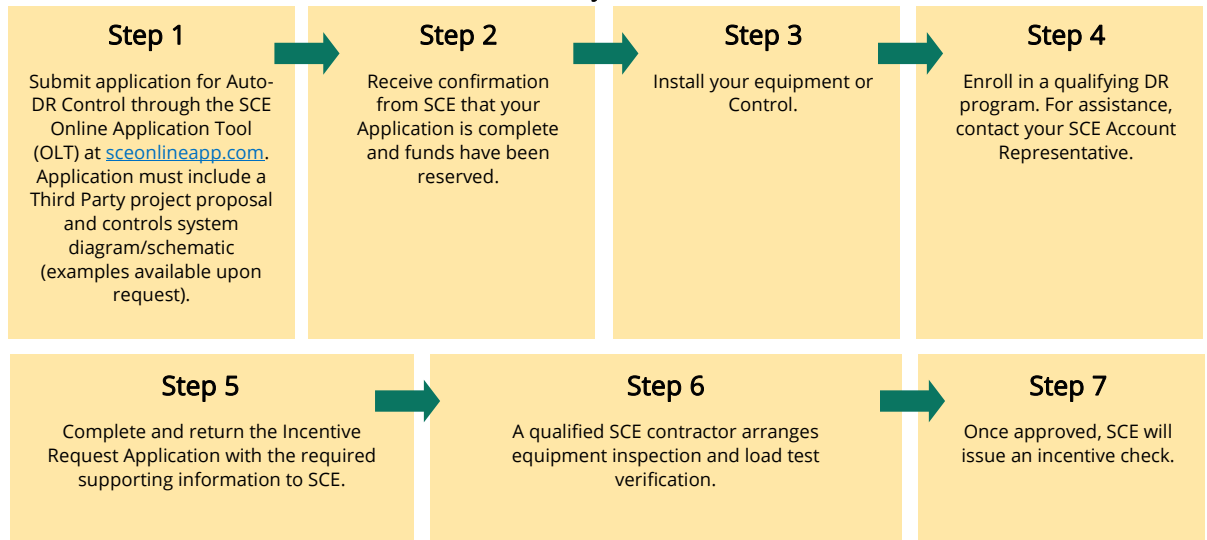
For more information on how to complete and submit your application, refer to appendix section, How to Submit Your EMS Incentive Application.

# APPLY

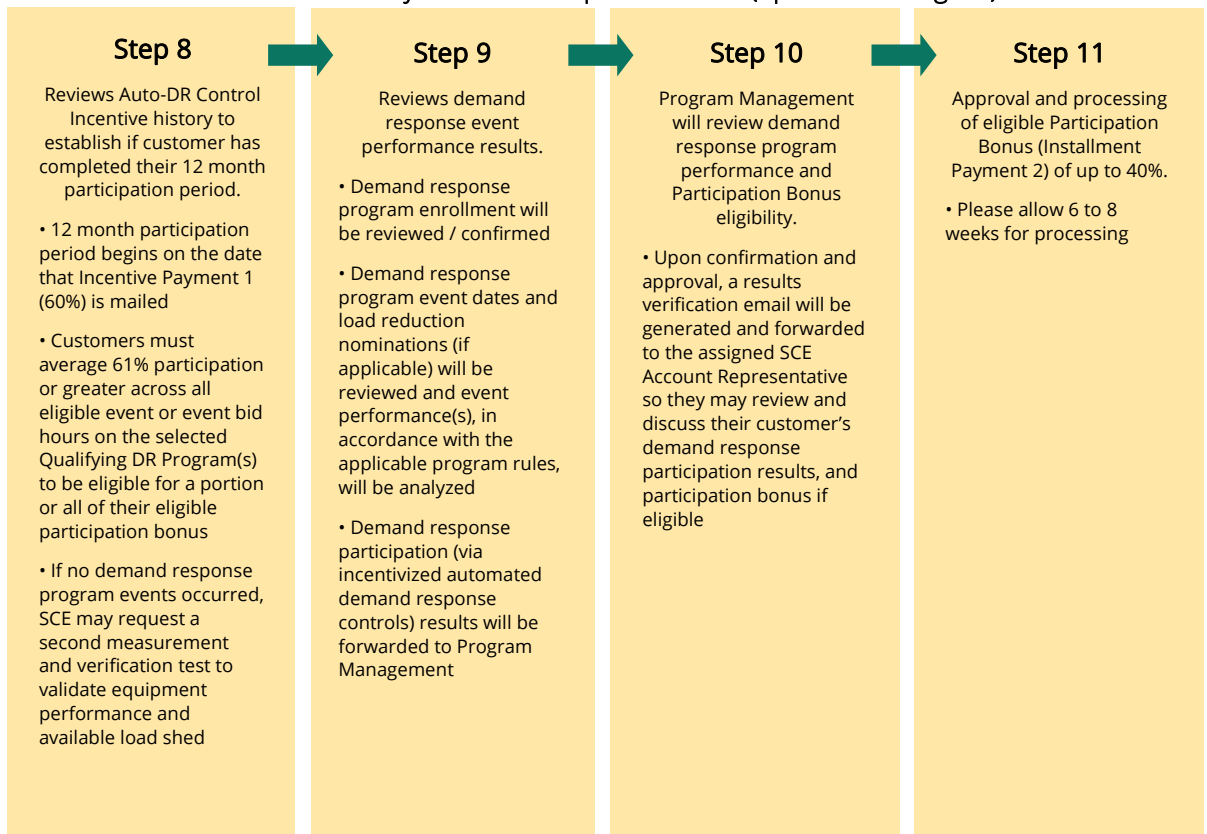
To qualify for Auto-DR Control Incentives you need to satisfy the eligibility requirements located in the Demand Response Appendix sections.

Use the diagrams below to help guide you through the customized 60/40 incentive process.

## Incentive Payment 1 (60%)



## Incentive Payment 2/Participation Bonus (up to 40% if eligible)



### AUTOMATED DEMAND RESPONSE EXPRESS CONTROL INCENTIVES AND STRATEGIES

Use the information in this section or the Auto-DR Express Solutions Tool at [sceonlineapp.com](http://sceonlineapp.com) to complete the required Solution Code, Solution Description, and Strategy fields in Section 7 of the Incentives Application.

#### AUTOMATED DEMAND RESPONSE EXPRESS SOLUTION CODES

SOLUTION CODE	SOLUTION DESCRIPTION	STRATEGY
DR-78293	Lighting Controls—20% Dimming	Defined in project proposal
DR-87293	Lighting Controls—30% Dimming	Defined in project proposal
DR-98044	Lighting Controls—40% Dimming	Defined in project proposal
DR-19018	HVAC Controls—4° F Space Temperature Reset	Defined in project proposal
DR-68563	HVAC Controls—20-Minute Duty Cycle (Compressor Only)	Defined in project proposal
DR-98064	HVAC Controls—20-Minute Duty Cycle (Compressor & Supply Fan)	Defined in project proposal

### AUTOMATED DEMAND RESPONSE CUSTOMIZED CONTROL INCENTIVES AND STRATEGIES

Use the information in this section or the Auto-DR Customized Solutions Tool at [sceonlineapp.com](http://sceonlineapp.com) to complete the required Solution Code, Solution Description, and Strategy fields in Section 8 of the Incentives Application.

#### HEATING, VENTILATING AND AIR CONDITIONING

SOLUTION CODE	SOLUTION DESCRIPTION	STRATEGY
DR-82993	HVAC System Optimization	Reconfigure or change sequence of chiller operation
DR-10031	HVAC System Optimization	Adjust outside air intakes dampers
DR-55102	HVAC Pre-Cooling with Global Temperature Adjustment	Pre-cool the facility and raise space temperatures
DR-61103	HVAC Other	Defined in project proposal
DR-46718	VSDs for Fans	Defined in project proposal

(continued on next page)

### PROCESS

SOLUTION CODE	SOLUTION DESCRIPTION	STRATEGY
DR-50072	Process Optimization (curtailment or reset)	Curtail or reset industrial machinery or operations by specific equipment
DR-82214	Process Optimization (curtailment or reset)	Curtail or reset industrial machinery or operations by controls
DR-30001	Process Machinery— Other	Defined in project proposal
DR-89124	Refrigeration System Optimization	Defined in project proposal

### CONTROLS

SOLUTION CODE	SOLUTION DESCRIPTION	STRATEGY
DR-61990	EMS Installation	Defined in project proposal
DR-23445	EMS Enhancements	Defined in project proposal
DR-44991	Lighting Controls/Switching	Dim lights and/or shut off portion of the lighting
DR-39151	Controls for Package Units or Central Plants	Global temperature adjustment for air-cooled package units or central plants
DR-98812	Chiller Controls	Limit chiller electric demand
DR-31882	HVAC Controls	Cycle air-cooled package units and/or constant volume air handling units by controls
DR-79112	Controls for Pumps	Turn off fountains and swimming pool pumps
DR-72615	Controls—Other	Defined in project proposal
DR-59114	SCADA Installation	Defined in project proposal
DR-29174	SCADA Enhancements	Defined in project proposal

### LIGHTING

SOLUTION CODE	SOLUTION DESCRIPTION	STRATEGY
DR-62019	Lighting—Other	Defined in project proposal
DR-48272*	Dimming Ballasts—20% Tuning + Auto Demand Response	Defined in project proposal
DR-49584*	Dimming Ballasts—20% Tuning + Daylight Harvesting + Auto Demand Response	Defined in project proposal
DR-60897*	Dimming Ballasts—20% Tuning + Occupancy Sensor + Auto Demand	Defined in project proposal
DR-89432*	Dimming Ballasts—20% Tuning + Occupancy Sensor + Daylight Harvesting with Side Lighting Photo Controls + Auto Demand Response	Defined in project proposal

\*Confirm current eligibility with your Auto-DR SCE Representative before specifying these solutions.

# APPENDIX HOW TO SUBMIT YOUR EMS INCENTIVES APPLICATION

## ONLINE

### Option 1



1. **Log on to [sceonlineapp.com](https://sceonlineapp.com).**  
If applying for Express Solutions, Customized Solutions, On-Bill Financing and/or Auto-DR Control Incentives Solutions.
2. **Complete the online application(s).**  
Enter required information once:
  - If multiple sites entered in application, a multiple site form will auto populate.
  - If applying for On-Bill Financing, the On-Bill Financing application\*\*\* will auto-populate (requires signature).
3. **Sign application(s) using the electronic signature process.**
3. **Secure all the required signatures on application(s).**  
Upload scanned copies of signature pages for application(s).
4. **Attach** all required supporting documents and push **Submit to SCE**.
5. After submitting your application, you will receive a confirmation email acknowledging SCE's receipt.

### Option 2



Time and Date stamp recorded at the time of electronic submission

Cost basis is determined by the measure type, as indicated in the following table:

MEASURE TYPE	COST BASIS
Add-on Equipment (AOE)	Full Measure Cost (FMC)
Normal Replacement (NR)	Incremental Measure Cost (IMC)
Accelerated Replacement (AR)	Early Retirement Cost (ERC)

**Full Measure Cost (FMC)** – is the total amount paid by the customer to implement the energy efficiency measure. **FMC = Measure Equipment Cost + Measure Labor Cost**

**Incremental Measure Cost (IMC)** is the marginal cost of implementing the energy efficiency measure. This is how much more expensive the energy efficiency measure is than a similar, industry standard measure, as defined by the PA. **IMC = (Measure Equipment Cost + Measure Labor Cost) – (Base Equipment Cost + Base Labor Cost)**

**Early Retirement Cost (ERC)** is the total cost incurred to install the energy efficiency measure reduced by the net present value of the total cost that would have been incurred to install an ISP measure at the end of the remaining useful life period. This cost is considered for Early Retirement Measures only.

D = Discount Rate (7.65% for SCE); RUL = Remaining Useful Life, in years, of Existing Equipment.

$$ERC = FMC - \frac{(FMC-IMC)}{(1+D)^{RUL}}$$

6. For Auto-DR Express or Customized Control Incentives Solutions, you must also provide:
  - A third-party project proposal or scope of work showing total estimated project cost and load reduction through Auto-DR. Project proposals must include detailed calculations for DR load (kW) reductions and detailed costs for labor, installation, and equipment.
  - A controls system schematic or diagram.
7. **Additional attachments required for some solutions** (e.g., air compressors for process and pumping, lighting, PC software, etc.). Review the eligibility requirements carefully.

**REQUIRED DOCUMENTATION TO BE SUBMITTED WITH YOUR APPLICATION**

1. **Payees** (Section 9, Part B of this application) must submit a completed W-9. A CA 590 is required when a TradePro/Vendor/Authorized Agent who is providing a Service to the SCE Customer of record (on the bill).
2. **Trade Professionals** (Section 1, Part B of this application) must have a completed Trade Professional Participation Agreement (learn more at [sceonlineapp.com](http://sceonlineapp.com)) on file. The Agreement does not need to be submitted with each application.
3. For **all Projects/Solutions** (Express, Customized, and Auto-DR Control Incentives), you must submit:
  - **Tax ID Information**—For the party receiving incentives (“Payee”).
  - **Proof of Payment**—Submit either an Invoice/Store Receipt, a Purchase Order, or a Lease Agreement. See below for what each must include.
  - **Spec Sheets**—For each solution.

Invoice/Store Receipt must include:	Purchase Order must include:	Lease Agreement must include
<ul style="list-style-type: none"> <li>• Date of Purchase</li> <li>• Full description of new equipment.</li> <li>• A line item that subtracts SCE’s incentives amount from the Total Project Costs, when the Payee is the Trade Professional</li> <li>• Payment status (paid or payment terms)</li> </ul>	<ul style="list-style-type: none"> <li>• Date of order or delivery</li> <li>• Full description of new equipment</li> <li>• Equipment cost</li> <li>• Payment terms</li> <li>• Customer’s (Section 1A) signature</li> </ul>	<ul style="list-style-type: none"> <li>• Lease start date and length</li> <li>• Full description of new equipment</li> <li>• Equipment cost</li> <li>• Payment terms</li> <li>• Customer’s (Section 1A) signature</li> </ul>

4. For **Customized Projects**, you must also provide the following for each solution:
  - **Calculations in the original, editable file format** — Do **not** include hand written calculations. Note: Calculations are automatically attached when using the Online Application’s Solutions Calculation Wizard. For a list of preferred tools for calculations, go to [sceonlineapp.com](http://sceonlineapp.com).
  - **Proposed** savings and costs calculations (and their respective documentation), based on installation type (as seen below). Additional requirement details can be found in Customized Calculated Savings Guidelines for Non Residential Programs on the OLT under the Manuals and Guides.

**BUILDING TYPE CODES**

Buildings are classified according to their principal activity, which is the primary business, commerce, or function carried out within each building. Buildings used for more than one of the activities described below are assigned to the activity occupying the most floor space, with the subcategories combined into more general building activities.

**Use these codes to describe the Building Type when filling out Project Site Information (section 2) of the Incentives Application.**

<b>BUILDING TYPE CODE TABLE</b>			
<b>BUILDING CODE</b>	<b>FINAL BUILDING TYPES</b>	<b>EXAMPLE</b>	<b>SECTOR</b>
2	Assembly	Church, gym or other meeting space typically used during normal working hours	Commercial
3	Education - Primary School	Elementary schools and religious education facilities	Commercial
4	Education - Secondary School	Middle schools, junior high and high schools	Commercial
5	Education - Relocatable Classroom	Modular classrooms	Commercial
6	Education - Community College	Community colleges, career or vocational training, adult education buildings used for classroom instruction	Commercial
7	Education - University	College and university buildings used for classroom instruction	Commercial
8	Grocery	Grocery store or food store	Commercial
10	Health/Medical - Hospital	Hospital	Commercial
11	Health/Medical - Nursing Home	Assisted living, nursing home, inpatient rehabilitation	Commercial
13	Lodging - Hotel	Common activity areas, hotels	Commercial
14	Lodging - Guest Rooms	Hotel guest room activity area	Commercial
15	Lodging - Motel	Lodging facilities	Commercial
16	Manufacturing - Bio/Tech	Research and manufacturing facilities with clean rooms for pharmaceutical, medical or communications	Industrial
17	Manufacturing - Light Industrial	Appliance, assembly, machine shops, parts, textile manufacturing facilities	Industrial
20	Office - Large	Government office, bank, city hall, social service, greater than 80,000 square feet	Commercial
21	Office - Small	Daycare or preschool, church, contractor or sales office, up to 80,000 square feet	Commercial
25	Restaurant - Fast Food	Fast food restaurant, cafeteria	Commercial
26	Restaurant - Sit Down	Sit-down restaurant	Commercial
27	Retail - Multistory Large	Department stores	Commercial
28	Retail - Single-story Large	Big box retail stores, dealerships or showrooms, rental centers	Commercial
29	Retail - Small	Stores located in strip malls, studio, gallery	Commercial
30	Storage - Conditioned	Large refrigerated warehouses	Commercial
31	Storage - Unconditioned	Non-refrigerated or unconditioned warehouses, distribution or shipping center	Commercial
33	Refrigerated Warehouse	Smaller refrigerated warehouses	Commercial



# APPENDIX HELPFUL CONTENT AND WEBSITE LINKS TO INFORMATION

CONTACT FOR AREA OF SUPPORT	EMAIL ADDRESS	PHONE NUMBER
Business Incentives	<a href="mailto:Businessincentives@sce.com">Businessincentives@sce.com</a>	1-800-736-4777
Customer Service and Support	<a href="mailto:EMSApplication@sce.com">EMSApplication@sce.com</a>	1-800-655-4555
TradePro Support	<a href="mailto:TradeProSupport@sce.com">TradeProSupport@sce.com</a>	1-866-635-6015

ADDITIONAL HELPFUL LINKS	WEBSITE ADDRESS
Southern California Edison	<a href="http://www.sce.com">www.sce.com</a>
Express Solutions Program	<a href="https://www.sce.com/wps/portal/home/business/savings-incentives/express-solutions">https://www.sce.com/wps/portal/home/business/savings-incentives/express-solutions</a>
EE Customized Solutions Program	<a href="https://www.sce.com/wps/portal/home/business/savings-incentives/energy-efficiency-customized-solutions">https://www.sce.com/wps/portal/home/business/savings-incentives/energy-efficiency-customized-solutions</a>
Midstream Point of Purchase Program	<a href="https://www.sceonlineapp.com/MidstreamPOP.aspx">https://www.sceonlineapp.com/MidstreamPOP.aspx</a>
OBF Program	<a href="http://on.sce.com/obf">on.sce.com/obf</a>
Demand Response Programs	<a href="http://www.sce.com/drp">www.sce.com/drp</a>
Auto-DR Control Incentive Program	<a href="http://www.sce.com/autodr">www.sce.com/autodr</a>
Solutions Directory	<a href="http://www.sceonlineapp.com/DocCounter.aspx?did=374">www.sceonlineapp.com/DocCounter.aspx?did=374</a>
Online Application Tool (OLT)	<a href="https://www.sceonlineapp.com">https://www.sceonlineapp.com</a>

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