



SOLUTIONS DIRECTORY

2018



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

Because the Solutions Directory is updated and published periodically through the 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), for the most up-to-date solutions and qualification criteria.

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 Technology 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) 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](#)

ENERGY EFFICIENCY

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. 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](https://sceonlineapp.com).

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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.

Regulatory Updates

- Due to a March 1, 2018 California Public Utilities Commission (CPUC) disposition, effective May 1, 2018 all Customized exterior lighting measures were discontinued.
 - Project Applications received on or after May 1, 2018 are not be eligible for incentives.
 - All Deemed (Express) exterior lighting measures were previously sunset effective January 1, 2018.
- Senate Bill 1414 was signed into law September 26, 2016 and requires the following for all existing and new projects as of January 1, 2017: Program Administrators (utilities) must collect proof of permit closure prior to paying rebates or incentives to customers or contractors for purchase or installation of central air conditioning, heat pumps, and their related fans (Note: excludes Midstream Point of Purchase (MPOP) or Upstream programs where incentives are paid to manufacturers or distributors). In addition to the existing permit-related requirements, beginning January 1, 2017, all HVAC projects with impacted measures must submit proof of permit closure prior to Southern California Edison paying any rebate or incentive. This includes both new projects initiated after January 1, 2017, and existing projects that were approved for payment before January 1, 2017.
 - Program Administrators must ensure that customers or contractors provide supporting documentation from an Authority Having Jurisdiction (AHJ) (e.g., local permitting office), inclusive of pertinent information such as the permit number, name, address, and an indication that the permit has been closed and/or is final.
 - The following list [Click here](#) identifies active measures (as of June 15, 2017) that are impacted by the HVAC Permit Closure Requirement. These measures have been flagged in SCE's program application processes as requiring proof of permit closure before rebates or incentives may be paid.
 - If you believe a permit may not be required, please contact your local permitting agency enforcement authority for clarification.

Express Solutions (Deemed) Rebate Program Updates

- Please note several Express Solution measures 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).
- Eligibility for any rebate and measure is based on the date the application and/or Installation Report (IR) is received by SCE.
- If a specific measure's rebate is revised by SCE prior to receipt of the application, SCE will process the application based on the revised rebate level. If a specific measure is discontinued or moved to another program prior to SCE's receipt of the application, the application will be declined at the time of submission. Please note, when a measure is discontinued from the Express or Midstream programs, that measure will not be eligible for incentives through the Customized program.
- Reminder: Before submitting an Express Application or Installation Report (IR), the measure(s) must be installed and operational. Any project where installation has either not been started or not completed at the time of the post-installation inspection will be declined. A project may be partially approved if the quantity of installed equipment verified by inspection is less than the quantity of equipment indicated on the application. If a project is declined, an application may be resubmitted but will be subject to a \$400 reprocessing/re-inspection fee.
- For information on current eligible Midstream measures, rebates and qualifying distributors, please go to: <https://sceonlineapp.com>.

Changes to Combo Project Applications.

Effective September 14, 2018, Applications with both Customized and Express Measures (or Combo Applications) will be processed separately. The On Line Tool (OLT) will generate separate Web Confirmation numbers (or WEB ID's) for each approach type (i.e. Customized and Express) and SCE will also issue separate Universal Project Numbers (or UPN's) for each approach type.

Note: The Web ID provided is system generated and do not constitute a completed application. Applications are considered submitted and received after SCE issues the UPN; however, once complete, the application received date will be the date upon which the applications were submitted via the OLT.

Impacts to the Express Program and Customized Program:

- » WEB ID's for each approach type will be identified with either (C) for Customized applications and (E) for Express applications.
 - ◊ Ex: Express Web I.D. = W#3839E / Customized Web I.D. = W#3839C
- » Combo applications will receive separate PA Approvals for each approach type and will be issued separately.
- » The Comprehensive Bonus program will be discontinued.
- » There will be two types of Express Applications.
 - ◊ (1) Express (Rebate) Applications and
 - ◊ (2) Express (Rebate) Applications with On-Bill Financing.

Please review the 2018 Statewide Energy Efficiency Non-Residential Rebate Manual for more information.

Impacts to On-Bill Financing:

- » Customers will have 60 days from the date of the Project Application (PA) approval to install and submit the Installation Report (IR) to SCE.
- » The OBF Loan minimum remains set at \$5,000. The loan minimum will apply to each approach type.
- » Separate loan agreements will be issued for each approach type.

Customized Solutions (Calculated) Incentive Program Updates

- Several Customized and BRO (RCx) energy efficiency solutions 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](https://www.sceonlineapp.com)).
- Eligibility for any incentive and measure is based on the date the application is submitted and received by SCE through the Online Application Tool, not receipt, review or approval of the Early Screening Document.
- Effective April 2, 2018, all Customized and BRO (RCx) projects must submit SCE’s new Early Screening Document (ESD).
 - o 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.
 - o 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.
 - o Eligibility for any incentive and measure is based on the date the application and/or Installation Report (IR) is received by SCE.
 - o 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.
 - o Please go to the Online Application Tool (OLT) (www.sceonlineapp.com), download the Early Screening Document found on the Customized Solutions tab.
 - o Trade Professionals Are Required To Complete New Early Screening Document Process Training. For additional information and requirements for TradePros, please review the March 19th, 2018 What’s New posting at: <https://www.sceonlineapp.com>
- The latest version of SCE’s Customized Calculation Savings Guidelines is available on the OLT, at: <https://www.sceonlineapp.com>. This document can be accessed by going to the Resources Tab on the left menu bar, Manuals/Guides, and opening file named, Statewide Customized Calculation Savings Guidelines.
- Effective June 1, 2018, SCE’s Calculated (Customized, RCx/BRO), Public Sector and Third Party programs implemented 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 Online Application Tool.
- Resolution E-4818 requires the statewide investor owned utilities (IOUs) to adopt modifications to key definitions and standards in state energy efficiency policy as part of the continuing effort to enable the use of existing conditions baselines as directed in Assembly Bill 802 and Decision 16-08-019. As a result, effective June 19, 2017, SCE began implementing existing conditions as the baseline in the Customized incentives program for Weatherization and Add-On Equipment (AOE, previously known as Retrofit Add-On or REA) measures, and Behavioral, Retrocommissioning and Operational (BRO) measures in the Retrocommissioning program. Applications submitted prior to June 19, 2017 were required to use code or ISP as baseline. Customized projects that are eligible to use existing conditions will likely see an increase in savings, if the existing condition is below code. Customers may also benefit from previously sunset REA (AOE) measures that have been reinstated.
 - o SCE Business Customers and Trade Professionals who would like to submit projects utilizing existing conditions baseline and their applicable installation measure types should contact their assigned SCE Account Representative

The following are the most recent Installation Type Definitions for below code and above code measures (Note: These are not official CPUC definitions and may be subject to change in future decisions, resolutions or dispositions).

- o **Accelerated Replacement (AR)** - Formerly known as early retirement (ER or RET), is a measure that replaces existing equipment with greater than one year of remaining useful life and is induced by SCE’s programs.
- o **Add-On Equipment (AOE)** – Measure that installs new equipment onto an existing host, improving the nominal efficiency of the host system. AOE measures must not be able to operate on their own. The existing host system must:
 - be operational without the AOE
 - continue to operate as the primary service equipment for the existing load, and
 - be able to fully meet the existing load at all times without the add-on component
- o **Normal Replacement (NR)** – Formerly replace on burnout (ROB), includes measure installations where the existing equipment has failed or no longer meets current or anticipated needs, or is being replaced due to normal remodeling, or upgrading, or replacement activities that are expected and undertaken in the normal course of life or business.
 - NEW is a subtype of Normal Replacement covering new construction, new load, or capacity expansion.
- o **Weatherization** - Includes upgrades to non-mechanical building structures (aka the building shell, e.g. windows,

KEY UPDATES

- insulation, air sealing, duct sealing).
 - o **BRO** – Behavioral, Retrocommissioning and Operational measures within the Retrocommissioning (RCx) program.
 - A three-year maintenance plan or service contract is required as part of the new program policy for all BRO measures. No exceptions will be made.
 - Projects cannot choose between BRO types, each measure type has its own specific requirement and must be used as specified in the measure name.
 - o **Behavioral** – Programs designed to influence customer behavior without installation of equipment (e.g. energy audits, home energy reports, etc.).
 - Behavioral measures are currently ineligible for incentives
 - o **Retrocommissioning (RCx)** – Programs designed to employ a systematic process for identifying and implementing operational and maintenance improvements in a building to ensure continued good performance over time. 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 installation type.
 - o **Operational** – Programs designed to ensure long-term business practices to maintain efficiency (e.g. establishing and following regular maintenance schedules).
- A Project Feasibility Study (PFS) is also 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). Moving forward, all affected programs will utilize the updated Project Feasibility Study.
 - An updated 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.
 - Qualifying lighting projects submitted through the Customized program must be DLC listed at the time the application is submitted.
 - 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.
 - o 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 that the Trade Professional who completed the installation attend post-installation inspections.
 - o Customers will be notified when an inspection is being scheduled. Trade Professional notification by SCE is a courtesy and is not required.
 - o 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 Updates

- Beginning 3/1/2018, Non-residential customers are able to apply for On Bill Financing (OBF) for certain Midstream Point of Purchase (MPOP) products.
 - o OBF is available for financing the purchase and installation of LED troffers/LED retrofit kits and LED tubes only (other LED lamps do not qualify).
 - o For additional information and requirements, please go to March 1st, 2018 What's New posting on the OLT, at: <https://sceonlineapp.com>

On Bill Financing (OBF) Program Updates

- Reminder to OBF Participant that they should use the latest OBF Application for program participation.
 - o Latest application updated November 2017, is available through OLT.
 - o Use of 2015 OBF application forms is not accepted
 - o For additional information on OBF, click [here](#).

Automated Demand Response Technology Incentive Program/s Updates

- Eligible customers that plan to apply for a new (2018) Automated Demand Response technology incentive project may also be eligible for Customized Solution energy efficiency incentives. Contact your assigned SCE Account Representative or the Auto-DR Help Desk at (866) 238-3605.

Additional Updates

- Vendors with questions or who are interested in becoming an SCE Trade Professional, please contact SCE Trade Professional support at, TradeProSupport@sce.com.
 - o For additional Trade Professional participation and training information, please go to the Trade Professionals tab at: <https://sceonlineapp.com>
- Customers and Trade Professionals - Protect Yourself from Caller ID Spoofing and Bill Scams. The following alerts will help you become aware of scams, how to recognize and verify them. Feel free to contact SCE Customer Service for scam concerns or any questions.
 - o CALLER ID SPOOFING - Caller ID Spoofing is a practice in which a caller deliberately falsifies the information on caller ID display to disguise their identity. Recently, there has been an increase in caller ID 'spoofing' whereby third parties use SCE's phone numbers to lead people to believe that the calls are coming from SCE. In many instances, the "spoofers" misrepresent themselves as SCE employees or partners. From January to July 2017, SCE received over 1,000 customer complaints about caller ID spoofing.
 - o Tips and reminders:
 - SCE will not send solar representatives to customers' homes or businesses, nor do we have solar companies contact anyone by phone.
 - SCE does not sell energy-related home improvement products.
 - SCE will never ask for credit card information or electric usage information over the phone.
 - SCE will not call customers outside the hours of 9 a.m. to 9 p.m., except to provide customer requested outage updates.

Please report Caller ID Spoofing concerns to SCE Customer Service 800-655-4555 or csinfogov@sce.com.

Find more information at sce.com/scamalert.

- o **BILL SCAM ALERT** - Southern California Edison wants to alert you of ongoing bill scams in your area. Imposters are misrepresenting themselves as SCE employees or contractors and contacting customers concerning non-payment of their electric bills. The scammers threaten to disconnect power unless payments are made over the phone using pre-paid debit cards.
- o **Tips to stay safe:**
 - SCE does not demand immediate payments made over the phone with pre-paid debit cards.
 - If a customer has outstanding bill balance, SCE will notify the customer about the outstanding balance over a course of several weeks.
 - If a customer believes the bill has been paid in full, the customer can contact SCE Customer Service at 800-655-4555 or log into My Account on SCE.com to confirm the payment status.

Please report suspected bill scams to SCE Customer Service 800-655-4555 or csinfogov@sce.com.

Find more information at sce.com/scamalert.

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.¹

How do I qualify for an Express Solution?

Express Solutions eligibility requirements are located in the Appendix, and online at 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 an On-Bill Financing project or 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.

¹ SCE pays up to 100% of the individual equipment cost for qualifying standard equipment. A complete list of terms and conditions is available on pg. [61](#)



CUSTOMIZED SOLUTIONS

What is the Customized Program?

Customized Solutions are for all other eligible solutions or technologies that are not part of the Express Solutions programs. Incentives are paid on a project-by-project basis on actual energy savings. SCE pays up to 100% of the incremental cost or 50% of the project cost — (labor, material and equipment — based upon fixed incentive rates for actual energy (kWh) and demand (kW) savings).

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

How do I qualify for a Customized Solution?

Customized Solutions eligibility requirements are located in the Appendix, and online at 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.

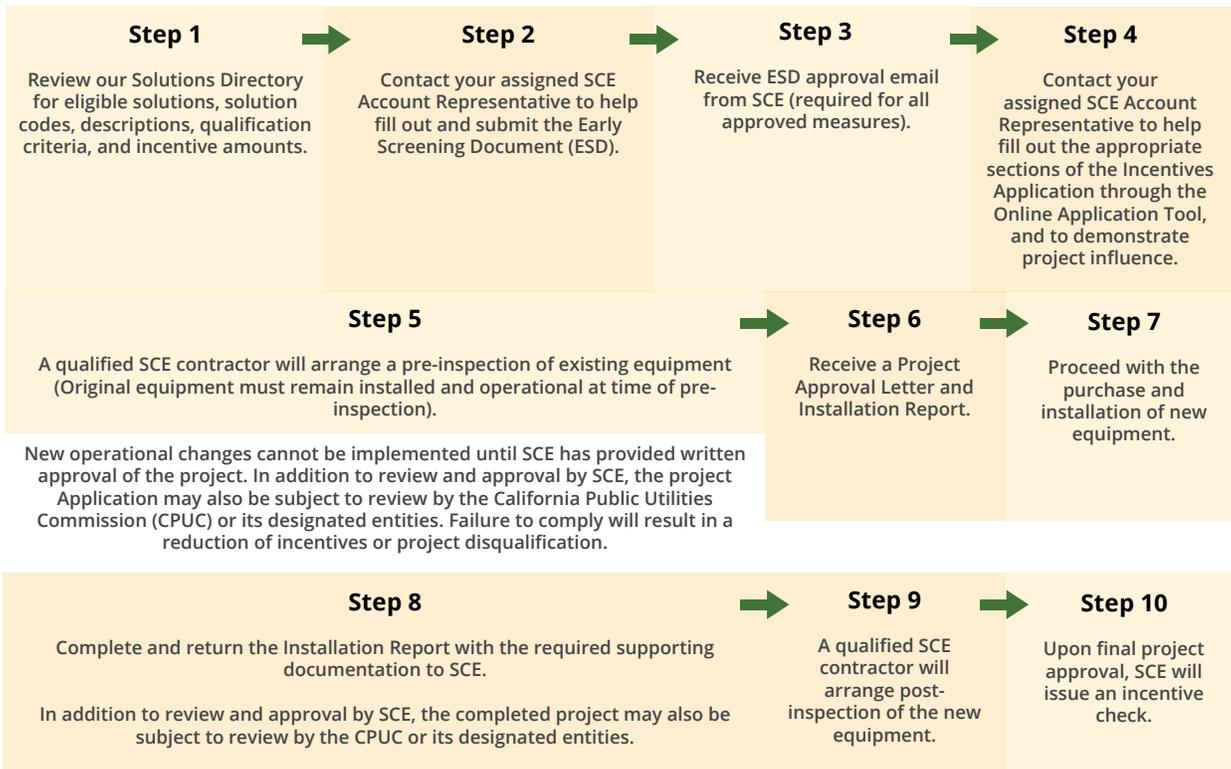
How do I apply for a Customized Solution?

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

For most solutions, the Online Application Tool on sce.com/solutions can be used to calculate energy savings and to submit the required calculations for your project.

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.



ENERGY EFFICIENCY INCENTIVES

LIGHT EMITTING DIODE (LED)

A solid-state semiconductor device that converts electrical energy directly into light.

LED STREET LIGHT FIXTURES

New, hardwired, DLC Premium v4.3 qualified LED street light fixtures replacing, one for one. (SCE tariff LS-1 Excluded)

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 incentive. If you answer “No” to any question in the Express Solution section, consider a Customized Solution.

- Are the new fixtures for commercial use?
- Are the new fixtures installed for Street Lighting use?
- Are the new fixtures Design Lights Consortium (DLC) qualified v4.3 or later?
- Are the new fixtures classified as Premium on the DLC Qualified Products List (QPL)?
- Are the new fixtures DLC qualified Outdoor Pole/Arm-Mounted Area and Roadway Luminaires?
- Are new fixtures replacing, one for one?
- Will the fixture(s) installed, commissioned and submitted to SCE by 12/28/2018?
- Are complete fixture assemblies, including integrated LED driver, housing, and lens being installed?

Note: Rate Schedule LS1 (SCE Owned) is not eligible for rebate.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR LED STREET LIGHTING	REBATE
		\$/unit of measure
LT-20397	LED Street Lighting: 0 – 29 Watts	\$ 10.00 / ft.
LT-20400	LED Street Lighting: 30 – 45 Watts	\$ 12.00 / ft.
LT-20401	LED Street Lighting: 46 – 68 Watts	\$ 15.00 / ft.
LT-20402	LED Street Lighting: 69 – 90 Watts	\$ 17.00 / ft.
LT-20403	LED Street Lighting: 91 – 107 Watts	\$ 20.00 / ft.
LT-20398	LED Street Lighting: 108 – 146 Watts	\$ 25.00 / ft.
LT-20399	LED Street Lighting: 147 – 235 Watts	\$ 30.00 / ft.

ENERGY STAR® LIGHT EMITTING DIODE (LED) SURFACE, PENDANT, & RECESSED DOWNLIGHT

ENERGY STAR® qualified LED fixtures replacing non-LED base case.

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR LED	INCENTIVE	
		\$/kWh	\$/kW ¹
LT-58676	Interior LED recessed surface and pendant mounted downlights	\$0.12	\$150
NA-28631	Other 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).

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

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INTERIOR AND EXTERIOR LED LIGHTING

Prequalified LED fixtures/kits found in interior or exterior applications.

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

- Is the product on the Design Lights Consortium® (DLC) or ENERGY STAR® Qualified Products List (QPL)?
- Does the product have integrated dimming capability to enable compliance with Title 24 2016 standards where applicable? (Many, if not most, kits are dimmable – check manufacturer specifications to be certain.)
- Is the product not offered through the Express or Midstream Point of Purchase Programs? If no, that measure is not eligible for Customized incentives.

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR LED	INCENTIVE	
		\$/kWh	\$/kW ¹
	Interior LED lighting:		
LT-17492	Interior LED fixture replacement ^{1,2,4,5}	\$0.12	\$150
LT-91217	Interior LED track or mono-point directional lighting fixtures	\$0.12	\$150
LT-78694	Interior LED under-cabinet shelf-mounted task lighting ³	\$0.12	\$150
LT-19123	Interior underwater LED pool lighting ^{3,7}	\$0.12	\$150
LT-23143	Interior LED menu board	\$0.12	\$150
NA-28631	Other lighting (not approved for payment) ^{1,2,4,5,6}	\$0.12	\$150

¹ Interior LED troffers and troffer retrofit kits are not eligible for incentives.² Interior LED high bay and low bay fixtures are not eligible for incentives.³ Measure is not on the DLC® or ENERGYSTAR® Qualified Product Lists, but is eligible for incentives.⁴ Interior LED fixtures must be on the DLC® Qualified Products List.⁵ Fixtures cannot exceed 15 feet in height.⁶ This solution code is not approved for payment. Once reviewed, if the technology is eligible, it will be assigned a solution code.⁷ Not eligible for hotels/motels, apartment complexes, condominiums, mobile home parks single family HOAs (community pools). These are deemed measures and are only eligible through SCE's Multi-Family program.**Customized Solution** Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR LED	INCENTIVE	
		\$/kWh	\$/kW ¹
	Exterior LED lighting:		
LT-54771	Exterior LED street name sign lighting ¹	\$0.12	NA
LT-46594	Exterior LED advertisement sign/smart sign ¹	\$0.12	NA

¹ Measure is not on the DLC® or EnergyStar® Qualified Products Lists, but is eligible for incentives.**LIGHTING CONTROLS**

Controls and sensors that have the ability to automatically turn off electrical systems when a space is not in use.

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR LIGHTING CONTROLS	INCENTIVE	
		\$/kWh	\$/kW ¹
LT-50567	Lighting controls—energy management system (EMS) ^{1,2,3}	\$0.12	\$150
LT-90853	Day lighting controls (EMS)** ³	\$0.12	\$150
LT-19796	Lighting controls – occupancy sensors – add-on equipment ²	\$0.12	\$150

¹ Only valid if no other calculated solution code fits project solution description² Valid if project is not already required by Title 24.³ Controls/EMS are not eligible for streetlights.

** Only eligible as AOE (Add-On Equipment, formerly known as Retrofit Add-on) (i.e. the project does not trigger Title 24 2016 code compliance

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Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

INCENTIVES

ENERGY EFFICIENCY

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 COOKING EQUIPMENT	REBATE
		\$/unit of measure
FS-77556	On-demand commercial electric hand wrap machine	\$ 125.00 / ft.

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

COMMERCIAL DISHWASHER - HIGH TEMPERATURE DOOR-TYPE (TIER 2)

High-efficiency commercial dishwashers reduce water heating requirements, while maintaining cleaning performance by reducing heat losses, improving mechanical soil removal, and/or increasing component efficiencies.

Eligibility requirements and limitations

- This is a joint-offering with SoCalGas and customers must apply for the incentive through SoCalGas by visiting: <https://www.socalgas.com/for-your-business/energy-savings>
- Only Commercial high temperature stationary single tank door-type dishwashers qualify.
- Proof that the appliance has the gallons per rack (gal/rack) and idle energy rate that meets the requirements must be provided.
- Used or rebuilt equipment is not eligible.
- Applicable customers include (but not limited to) casual dining and quick service restaurants, hotels, motels, schools, colleges, and recreational facilities.
- Is the commercial dishwasher on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOKING EQUIPMENT	REBATE
		\$/unit of measure
Not Applicable	Tier 2 - 15% below Energy Star® minimum specification for energy-efficient high temperature, stationary, door-type commercial dishwashers with water usage ≤0.76 gal/rack and the idle energy rate ≤0.7 kW.	\$600*

*As part of joint-offering with SoCalGas for commercial dishwashers, SCE will offer \$350 per unit and SoCalGas will offer \$250 for a TOTAL incentive of \$600. For customers whose electric provider is not SCE, the rebate amount will be \$250.

COMMERCIAL CONVEYOR BROILERS

Automatic conveyor broilers are specified by numerous national restaurant chains and independent foodservice facilities, requiring high production capacity and consistent results. Energy efficient broilers have potential to save large amounts of energy, while providing similar production capacities, and reducing the heat load in kitchens.

Eligibility requirements and limitations

- This is a joint offering with SoCalGas and customers must apply for the incentive through SoCalGas by visiting: <https://www.socalgas.com/for-your-business/energy-savings>
- Application customers include (but not limited to) casual dining and quick service restaurants, hotels, motels, schools, colleges, and recreational facilities.
- Is the commercial conveyor broiler on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>
- Note: Used or rebuilt equipment not eligible.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COMMERCIAL CONVEYOR BROILER	REBATE
		\$/unit of measure
Not Applicable	Commercial Conveyor Broiler 2 Lane Width (<22")	\$2,000*
Not Applicable	Commercial Conveyor Broiler 2 Lane Width (22"-28")	\$2,500**
Not Applicable	Commercial Conveyor Broiler 2 Lane Width (>28")	\$3,000***

*As part of this joint-offering with SoCalGas for commercial conveyor broilers (<22"), SCE will offer \$740/unit and SCG will offer \$1,260/unit for a TOTAL rebate of \$2,000/unit. For customers whose electric provider is not SCE, the rebate amount will be \$1,260.

**As part of this joint-offering with SoCalGas for commercial conveyor broilers (22" -28"), SCE will offer \$600/unit and SCG will offer \$1,900/unit for a TOTAL rebate of \$2,500/unit. For customers whose electric provider is not SCE, the rebate amount will be \$1,900.

***As part of this joint-offering with SoCalGas for commercial conveyor broilers (>28"), SCE will offer \$1,260/unit and SCG will offer \$1,740/unit for a TOTAL rebate of \$3,000/unit. For customers whose electric provider is not SCE, the rebate amount will be \$1,740.

ENERGY EFFICIENCY INCENTIVES

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

ENERGY EFFICIENCY INCENTIVES

COOKING EQUIPMENT, CONTINUED

GAS CONVEYOR CHARBROILER

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOKING EQUIPMENT	REBATE	
		\$/kWh	\$/kW'
PR-34466	Radiant heat recovery gas conveyer charbroiler with electric resistance heating	\$0.12	\$150

DEMAND CONTROL KITCHEN VENTILATION CONTROL — RETROFIT OR NEW HOOD

A new control system installed in an existing or new commercial kitchen exhaust hood and make-up air system, in conjunction with variable-speed fan controls. Incentives are based on the exhaust fan motor horsepower.

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.

New commercial kitchen exhaust hood control system must be installed in a new or an existing, dedicated commercial kitchen exhaust hood and make-up air system.

- Is the control system being used in conjunction with variable speed fan motor controls?
- Is the demand control kitchen ventilation control on the California Energy Wise QPL list? <https://caenergywise.com/rebates/>

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial kitchen ventilation control:	
FS-17337	Retrofit hood & new hood	\$ 700.00 / hp

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 COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial electric:	
FS-61445	Griddle	\$ 150.00 / linear ft.

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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.

- Are the commercial electric combination ovens on the Food Service Technology Center’s pre-approved list?
- Is the commercial electric combination oven on the California Energy Wise QPL list?
<https://caenergywise.com/rebates/>

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial electric:	
FS-14121	Cooking efficiency ≥ 60% commercial electric combination <15 pans oven	\$1,350.00/ unit
FS-30956	Cooking efficiency ≥ 60% commercial electric combination 15 to 28 pans oven	\$1,375.00/ unit
FS-20134	Cooking efficiency ≥ 60% commercial electric combination >28 pans oven	\$5,000.00 / 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.

- Are the commercial electric convection ovens on the Food Service Technology Center’s pre-approved list?
- Is the commercial electric convection oven on the California Energy Wise QPL list?
<https://caenergywise.com/rebates/>

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial electric:	
FS-68320	Half-size convection oven	\$350.00 / unit
FS-59869	Full-size convection oven	\$750.00 / unit

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ENERGY EFFICIENCY INCENTIVES

Lighting

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INCENTIVES

ENERGY EFFICIENCY

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 COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial electric:	
FS-57892	Fryer/large vat fryer	\$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 COOKING EQUIPMENT	REBATE
		\$/unit of measure
	Commercial electric:	
FS-38502	Steam cooker	\$1,850.00 / steamer

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COMMERCIAL 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 COOKING EQUIPMENT	REBATE	
		\$/unit of measure	
	Commercial electric:		
FS-70944	Deck oven	\$1,250.00 / deck	

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	
	Insulated:		
FS-20224	Full size	\$750.00 / unit	
FS-31559	Half size	\$200.00 / unit	

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HOLDING EQUIPMENT	REBATE	
		\$/kWh	\$/kW ²
FS-19589	Foodservice high density holding cabinet	\$0.12	\$150
FS-94354	Replace water-based holding wells with induction holding wells	\$0.12	\$150

ENERGY EFFICIENCY INCENTIVES

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

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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 (ARI) 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 compressor unit be purchased with the remote machine?



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 800 lbs per day ice machine	\$125.00 / unit
FS-20165	Ice Maker Head Unit (IMH) 801 to 1,500 lbs per day ice machine	\$200.00 / unit
FS-20166	Ice Maker Head Unit (IMH) 1,501 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

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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.

Requirements:

- Is the refrigeration system packaged?
- 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
	Commercial solid-door refrigerators:	
FS-13121	< 15 cu ft	\$45.00 / unit
FS-42962	≥ 15 cu ft and < 30 cu ft	\$60.00 / unit
FS-93044	≥ 30 cu ft and < 50 cu ft	\$85.00 / unit
FS-31425	≥ 50 cu ft	\$120.00 / unit
	Commercial solid-door freezers:	
FS-21276	< 15 cu ft	\$75.00 / unit
FS-61432	≥ 15 cu ft and < 30 cu ft	\$100.00 / unit
FS-86848	≥ 30 cu ft and < 50 cu ft	\$160.00 / unit
FS-54809	≥ 50 cu ft	\$350.00 / unit
	Commercial glass-door refrigerators:	
FS-77373	< 15 cu ft	\$30.00 / unit
FS-28291	≥ 15 cu ft and < 30 cu ft	\$60.00 / unit
FS-68882	≥ 30 cu ft and < 50 cu ft	\$80.00 / unit
FS-44686	≥ 50 cu ft	\$100.00 / unit
	Commercial glass-door freezers:	
FS-16170	< 15 cu ft	\$60.00 / unit
FS-38598	≥ 15 cu ft and < 30 cu ft	\$125.00 / unit
FS-58112	≥ 30 cu ft and < 50 cu ft	\$275.00 / unit
FS-30794	≥ 50 cu ft	\$515.00 / unit

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ENERGY EFFICIENCY INCENTIVES

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ENERGY EFFICIENCY

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
	Auto-closer:	
RF-16925	Main cooler doors ¹	\$75.00 / closer
RF-32156	Main freezer doors ¹	\$75.00 / closer

¹ New equipment with doors not eligible for rebate

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR AUTO-CLOSERS	INCENTIVE	
		\$/kWh	\$/kW [†]
RF-16294	High-speed cold storage doors	\$0.12	\$150
RF-67581	Low-temperature reach-in door — anti-fog film	\$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

* 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.

REFRIGERATION MOTORS

Devices that convert electric energy into rotating mechanical energy for refrigeration.

EFFICIENT EVAPORATOR FAN MOTOR

Electronically commutated motors (ECMs) replacing an existing standard efficiency shaded-pole evaporator fan motor of refrigerated display 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.

- Is the existing equipment a standard efficiency shaded-pole or permanent split capacitor evaporator fan motor in a refrigerated display case?
- Are shaded-pole or permanent split capacitor motors being replaced by ECMs in an existing display case? ECMs in new cases are not eligible for incentives.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION MOTORS	REBATE
		\$/unit of measure
	Efficient evaporator fan motor:	
RF-60192	Electronically commutated motor (ECM) in display cases	\$13.00 / ft

REFRIGERATION SYSTEMS

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SYSTEMS	INCENTIVE	
		\$/kWh	\$/kW ¹
RF-79158	Low Charge Ammonia ¹	\$0.12	\$150

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

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

ENERGY EFFICIENCY INCENTIVES

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INCENTIVES

ENERGY EFFICIENCY

DISPLAY CASES**ADD DOORS TO OPEN MEDIUM TEMPERATURE CASES**

Retrofit glass doors onto medium-temperature, open-vertical, refrigerated display cases (also known as open multi-deck 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 DISPLAY CASES	REBATE	
		\$/unit of measure	
RF-22948	Add door to open vertical refrigerated display case, medium temperature	\$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

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

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 ULT Freezer on the Food Service Technology Center pre-approved list?
- 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)?
- Is the Ultra Low Temperature Freezer on the California Energy Wise QPL list?
<https://caenergywise.com/rebates/>

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 23 cubic ft.	\$300.00 / unit
RF-20127	High Efficiency Ultra-Low Temperature (ULT -80°C) Freezers 24 to 29 cubic ft.	\$600.00 / unit

ENERGY EFFICIENCY INCENTIVES

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

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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 ¾ inch for medium-temperature and 1 inch for low-temperature systems. The suction line must be no more than 1 ½ 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 ½ 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 ¾ 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	Insulation for bare suction lines	\$2.00 / linear ft.

Customized Solution

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

¹ Bare suction lines are not eligible.

* 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.

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	\$/kW†
RF-49983	Efficient refrigeration condensing unit	\$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	\$/kW†
RF-95720	Scroll compressor for bulk tanks - add-on equipment ¹	\$0.12	\$150
RF-65700	Efficient refrigeration compressors - add-on equipment ¹	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

REFRIGERATION CURTAINS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION CURTAINS	INCENTIVE	
		\$/kWh	\$/kW†
RF-86746	Air curtains ¹	\$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
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

Customized Solutions excludes strip curtains.

¹ Only eligible as add-on retrofit (AOE) (i.e. the project does not trigger Title 24 2016 compliance).

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

ENERGY EFFICIENCY INCENTIVES

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HVAC

Motors

Pumping

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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	\$/kW [†]
RF-38743	Single system to multiplex/parallel system conversion	\$0.12	\$150
RF-78143	Refrigeration system retrofits	\$0.12	\$150
RF-63798	Refrigeration fan retrofits	\$0.12	\$150
RF-16859	Reduced load on refrigeration system (using cooling tower to partially offset load)	\$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)	\$0.12	\$150
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.

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
	Floating head and suction pressure controls:	
RF-31355	Floating saturated condensing temperature controls (air-cooled)	\$50 / ton
RF-41488	Floating saturated condensing temperature controls (evaporative-cooled)	\$50 / ton
RF-51222	Floating saturated suction temperature controls	\$50 / ton
RF-20965	Process multiplex floating suction pressure control	\$50 / ton

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SYSTEMS	INCENTIVE	
		\$/kWh	\$/kW [†]
RF-19803	Floating head pressure controls – add-on equipment	\$0.12	\$150
RF-19807	Floating head 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.

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ENERGY EFFICIENCY INCENTIVES

REFRIGERATION CONTROLS, CONTINUED

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 REFRIGERATION CONTROLS	REBATE	
		\$/unit of measure	
RF-48112	Anti-sweat heater (ASH) controls	\$25.00 / linear ft	

Customized Solution

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

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

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 REFRIGERATION CONTROLS	INCENTIVE	
		\$/kWh	\$/kW [†]
RF-18607	Refrigeration—energy management system (EMS) ^{1,2}	\$0.12	\$150
RF-28734	Sub cooling refrigeration controls	\$0.12	\$150
RF-43876	Defrost controls	\$0.12	\$150
	Variable-frequency drives for:		
RF-87644	Evaporator coil fan—VFD ³	\$0.12	\$150
RF-94589	Screw compressor—VFD (industrial refrigeration) ³	\$0.12	\$150
RF-79521	Refrigeration compressor controls	\$0.12	\$150
RF-19808	Evaporator coil fan control (cycling) - add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

ENERGY EFFICIENCY
INCENTIVES

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

¹Only valid if no other calculate solution code fits project solution description

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

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

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

INCENTIVES

ENERGY EFFICIENCY

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	\$/kW [†]
BE-78594	Efficient windows - weatherization	\$0.12	\$150
RF-90876	Refrigerated Space Shell Improvements - Weatherization	\$0.12	\$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 vapor-compression 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 rebate.

- 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 x .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	\$/kW [†]
BE-19812	Window film - weatherization (below code)	\$0.06	\$150
BE-60912	Building shell improvements ¹	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

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

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

CIRCULATING BLOCK HEATER

Forced circulation pre-heater replacing existing resistance block pre-heater on backup emergency diesel generators ranging between 37 kilowatts (kW) and 2500 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.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR CIRCULATING BLOCK HEATER	REBATE
		\$/unit of measure
PR-93262	37-199 kW Backup Generator with Circulating Block Heater replacing Thermosiphon Heater	\$75/heater
PR-93796	200-799 kW Backup Generator with Circulating Block Heater replacing Thermosiphon Heater	\$150/heater
PR-92194	800-1099 kW Backup Generator with Circulating Block Heater replacing Thermosiphon Heater	\$225/heater

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ENERGY EFFICIENCY INCENTIVES

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 Questions

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 2016 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/hr²)
- PTHP $\geq (10.8 - (0.213 \times \text{_____} \div 1,000)) \times 1.2$ (fill in blank with unit's capacity in Btu/hr²)

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-37854	Package terminal air conditioners and package heat pumps	\$100.00 / unit

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.

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2. 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.

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. An advanced evaporative cooler uses rigid, manufactured evaporative media and is equipped with water quality management systems that provide positive removal of sump water at regular intervals.

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR EVAPORATIVE COOLERS	INCENTIVE	
		\$/kWh	\$/kW [†]
AC-32882	Direct evaporative pre-cooler for condensing units	\$0.12	\$150
AC-70772	Evaporative precoolers	\$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	\$/kW [†]
AC-78487	Economized cooling using fluid coolers	\$0.12	\$150
AC-68473	Economizer - water side - add-on equipment ¹	\$0.12	\$150
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).

¹A 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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[†]. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

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INCENTIVES

ENERGY EFFICIENCY

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	\$/kW [†]
AC-67584	Insulating—chiller water pipes - Weatherization	\$0.12	\$150
AC-98675	Insulating—condenser water pipes - Weatherization	\$0.12	\$150
AC-89065	Insulating—refrigerant pipes - Weatherization	\$0.12	\$150
AC-40390	Insulating cool air ducts - Weatherization	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$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	\$/kW [†]
AC-86944	Cooling tower upgrade system retrofit	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

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

HVAC SYSTEMS

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

SINGLE PACKAGE VERTICAL HEAT PUMP

This type of Commercial SPVHP HVAC system is typically found serving portable school classrooms, offices, and/or administrative spaces. This measure is tailored for the education sector

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 system include an economizer for each unit?
- Is the unit being installed in a K-14 School / Community College?
- Is the EER 11.0 and COP 3.25 or higher?
- Will the unit(s) be installed, commissioned and submitted to SCE by 12/31/2018?

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR VERTICAL HEAT PUMP	REBATE
		\$/unit of measure
AC-20018	3.5 to 4.0 ton high efficiency single package vertical heat pump with economizer	\$250.00 / ton

Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC SYSTEMS	INCENTIVE	
		\$/kWh	\$/kW [†]
AC-34251	Central plant consolidation ²	\$0.12	\$150
AC-39548	Variable-speed chiller plant optimization ²	\$0.12	\$150
AC-34264	Energy efficient fan blade retrofits ²	\$0.12	\$150
AC-63339	Data Center HVAC flow management retrofit ²	\$0.12	\$150
PR-71632	Phase change retrofit	\$0.12	\$150
PR-11278	Data Center Economizer Add-on - add-on equipment	\$0.12	\$150
WH-48372	HVAC package system with heat recovery unit supplying heat to domestic hot water	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment) ¹	\$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.

¹ 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).

² Only eligible as (AOE) Add-On Equipment (i.e. the project does not trigger Title 24 2016 compliance).

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

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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?

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/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
41 hp 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 - Clinic
 - Health/Medical - Hospital
 - Health/Medical - Nursing Home
 - Lodging - Hotel
 - Office - Large
 - Retail - Multistory Large
- Is the fan equal to or less than 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.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	REBATE
		\$/unit of measure
AC-97352	Variable-speed drives for HVAC fans	\$120/hp

Customized Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	INCENTIVE	
		\$/kWh	\$/kW [†]
AC-75930	HVAC—energy management system (EMS) ^{1,2}	\$0.12	\$150
AC-60598	Variable air volume for fumehoods**	\$0.12	\$150
AC-59483	Automatic sash closer controls	\$0.12	\$150
	Chiller optimization controls		
AC-15987	Chilled water reset	\$0.12	\$150
AC-32109	Improved chiller sequencing	\$0.12	\$150
AC-79531	HVAC compressor controls	\$0.12	\$150
AC-21212	100% outside air to minimum outside air HVAC conversion	\$0.12	\$150
AC-19795	Exhaust fan VFD controls for CO DCV in enclosed parking structures – add-on equipment	\$0.12	\$150
AC-43210	Variable-speed drives for chiller compressor	\$0.12	\$150
AC-65847	Variable-speed drives for cooling tower fan	\$0.12	\$150
AC-69858	Variable-speed drives for hot water pump motor	\$0.12	\$150
AC-74984	Variable-speed drives for condenser water pump motor	\$0.12	\$150
AC-78722	Variable-speed drives for ventilation fan **	\$0.12	\$150
AC-87564	Hot and cold deck reset	\$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-in equipment	\$0.12	\$150
AC-18574	Frictionless compressor retrofit	\$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 - add-on equipment	\$0.12	\$150
PM-58473	Chilled water pump constant flow to variable flow conversion	\$0.12	\$150
PR-83422	New receiver tank for compressed air system (increased storage)	\$0.12	\$150
PR-89456	Variable Speed Drive for Chiller Compressor (Process)	\$0.12	\$150
PR-92234	Air compressor sequencing controls	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

¹Only valid if no other calculated solution code fits project solution description
²Valid if project is not already required by Title 24.

* 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).
 ** Only eligible as (AOE) Add-On Equipment (i.e. the project does not trigger Title 24 2016 compliance).

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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

ENERGY EFFICIENCY INCENTIVES

COMPRESSED GASES

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR DESALTER	INCENTIVE	
		\$/kWh	\$/kW [†]
PR-87504	Air compressor no-loss drain valves	\$0.12	\$150

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

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

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR PREMIUM EFFICIENCY MOTORS	INCENTIVE	
		\$/kWh	\$/kW [†]
MT-50193	New or added motor load	\$0.12	\$150
MT-65483	Motor generator set replacements (ineligible for hotel industry)	\$0.12	\$150
MT-28473	Motor cycling controls	\$0.12	\$150
MT-50941	Constant speed variable load motor controller	\$0.12	\$150
MT-79578	Direct drive replacing belt driven motor	\$0.12	\$150

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

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ENERGY EFFICIENCY INCENTIVES

Lighting

Food Service

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HVAC

Motors

Pumping

Process

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 for clean water system (as defined by DOE CFR 431.462) ?
- Is the pump 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 a rotodynamic pump?

Note: Non-clean water pump, Mixed/Axial Flow , Nuclear , Mil Spec, Sealless, Self-Priming, Prime Assist, Fire Pump, Sanitary (3-A Std.), Circulator (Hydronic), Pool Pumps, ST > 6 inch bowl are not eligible.

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR WATER PUMP UPGRADE (HIGH EFFICIENCY - HE) (COMMERCIAL INSTALLATIONS)	REBATE
		\$/unit of measure
PM-20275	High Efficiency Pump - 1 HP to 3 HP Constant Load	\$35.00 / hp
PM-20276	High Efficiency Pump - 4 HP to 50 HP Constant Load	\$25.00 / hp
PM-20277	High Efficiency Pump - 51 HP to 200 HP Constant Load	\$4.00 / hp
PM-20278	High Efficiency Pump - 1 HP to 3 HP Variable Load	\$35.00 / hp
PM-20279	High Efficiency Pump - 4 HP to 50 HP Variable Load	\$25.00 / hp
PM-20280	High Efficiency Pump - 51 HP to 200 HP Variable Load	\$4.00 / hp

SOLUTION CODE	SOLUTION DESCRIPTION FOR WATER PUMP UPGRADE (HIGH EFFICIENCY - HE) (AGRICULTURAL & INDUSTRIAL INSTALLATIONS)	REBATE
		\$/unit of measure
PM-20281	High Efficiency Pump (Clear Water) - 1 HP to 3 HP Constant Load	\$35.00 / hp
PM-20282	High Efficiency Pump (Clear Water) - 4 HP to 50 HP Constant Load	\$25.00 / hp
PM-20283	High Efficiency Pump (Clear Water) - 51 HP to 200 HP Constant Load	\$4.00 / hp
PM-20284	High Efficiency Pump (Clear Water) - 1 HP to 3 HP Variable Load	\$35.00 / hp
PM-20285	High Efficiency Pump (Clear Water) - 4 HP to 50 HP Variable Load	\$25.00 / hp
PM-20286	High Efficiency Pump (Clear Water) - 51 HP to 200 HP Variable Load	\$4.00 / hp

Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPS	INCENTIVE	
		\$/kWh	\$/kW [†]
PM-26354	Chilled water pump retrofit	\$0.12	\$150
PM-35263	Condenser water pump retrofit	\$0.12	\$150
PM-50902	Industrial pump retrofit	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

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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.

- Is the VFD being used in an Agricultural installation?
- Is the VFD controlling the flow/pressure of the pump?
- Does the pumping application currently have the means of varying the pressure/flow (i.e. throttle valve, control valve, etc.)?
- Will the VFD operate a minimum of 1,000 hours per year?
- Is the VFD being installed on a pressurized irrigation system?
- Note: Not eligible for the following applications, well pump;
 - o Used to fill a reservoir
 - o That discharges directly into a canal
 - o Mixed flow pump (high volume, low lead)

Express Solution

SOLUTION CODE	SOLUTION DESCRIPTION FOR VARIABLE FREQUENCY DRIVES ON AGRICULTURAL PUMPS	REBATE
		\$/unit of measure
PR-12484	VFD on Agricultural Well Pumps (≤ 300 hp) - Existing Equipment ^{1,2}	\$75.00 / hp
PR-12497	VFD on Agricultural Booster Pumps (≤ 150 hp) - Existing Equipment ^{1,2}	\$65.00 / hp
PR-18922	VFD on Agricultural Well Pumps (≤ 300 HP) - New Equipment ^{1,2}	\$75.00 / hp
PR-18923	VFD on Agricultural Booster Pumps (≤ 150 hp) - New Equipment ^{1,2}	\$65.00 / hp

¹For irrigation purposes only.

²Potable water is not eligible.

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ENERGY EFFICIENCY INCENTIVES

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

ENERGY EFFICIENCY INCENTIVES

PUMPING CONTROLS, CONTINUED

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 [†]	\$0.12	\$150
PM-16109	Pump controls	\$0.12	\$150
PM-70932	Pump off controllers for oil wells	\$0.12	\$150
PM-28467	Water shutoff controls	\$0.12	\$150
PM-89013	Pressure regulating float valves on stand pipes	\$0.12	\$150
	Variable-speed drives for:		
PM-93654	Milk transfer pump—VSD	\$0.12	\$150
PM-54502	Vacuum pumps—VSD	\$0.12	\$150
PM-14041	Milking vacuum pump—VSD	\$0.12	\$150
PM-21834	Nonresidential pool pump—VSD	\$0.12	\$150
PM-98434	Wastewater pump—VSD	\$0.12	\$150
PM-35845	Fluid pump—VFD - add-on equipment [†]	\$0.12	\$150
PM-18628	VFD on Ag Well Pump serving Non-pressurized system - add-on equipment [†]	\$0.12	\$150
PM- 18629	VFD on non Ag Well Pump add-on equipment [†]	\$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
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.

[†]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.

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**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	\$0.12	\$150
PM-29854	High-efficiency pressure-washing system	\$0.12	\$150
PM-39486	Tape drip irrigation system	\$0.12	\$150
PM-29644	Optimize fluid flow 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
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

ENERGY EFFICIENCY **INCENTIVES**

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

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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—NEW or Accelerated Replacement	\$0.12	\$150
PR-87855	57 inches – 60 inches EE high-volume low-speed exhaust or circulation fans—NEW	\$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-51921	Centrifugal Blower replacing Compressed Air System	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$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
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

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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
AC-70454	Chiller heat reclaim	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

HEAT EXCHANGER

A device built for efficient heat transfer from one medium to another. The media may be separated by a solid wall, so that they never mix, or they may be in direct contact.

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR HEAT EXCHANGER	INCENTIVE	
		\$/kWh	\$/kW [†]
PR-95736	Heat exchanger upgrades	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

ENERGY EFFICIENCY INCENTIVES

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

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

INCENTIVES

ENERGY EFFICIENCY

PROCESS SYSTEM

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.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS SYSTEM	INCENTIVE	
		\$/kWh	\$/kW [†]
PR-49586	Wastewater treatment—fine bubble aeration	\$0.12	\$150
PR-40970	Gas separation and liquefaction process retrofits	\$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
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	\$/kW [†]
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	\$/kW [†]
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
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

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

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	\$/kW [†]
PR-38737	Injection molder barrel insulation	\$0.12	\$150
RF-19810	Insulate bare suction pipes – add-on equipment	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$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	\$/kW [†]
PR-65701	Efficient electric melting	\$0.12	\$150
NA-30864	Other non-lighting (not approved for payment)*	\$0.12	\$150

ENERGY EFFICIENCY INCENTIVES

Process

Pumping

Motors

HVAC

Building Envelope

Refrigeration

Food Service

Lighting

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

INCENTIVES

ENERGY EFFICIENCY

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-50059	Variable speed drive on air compressor control: 5 to 14 hp	\$75.00 / hp
PR-34445	Variable speed drive on air compressor control: 15 to 24 hp	\$75.00 / hp

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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	\$/kW [†]
PR-67492	Efficient curing ovens	\$0.12	\$150
PR-19798	Efficient heating element panels for electric induction furnaces – add-on equipment	\$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	\$/kW [†]
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	\$/kW [†]
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	\$/kW [†]
AC-11250	Ultrasonic Humidifiers	\$0.12	\$150

ENERGY EFFICIENCY INCENTIVES

Lighting

Food Service

Refrigeration

Building Envelope

HVAC

Motors

Pumping

Process

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

INCENTIVES

ENERGY EFFICIENCY

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	\$/kW ¹
PR-63889	Professional wet cleaning equipment	\$0.12	\$150

VARIABLE SPEED DRIVES AND CONTROLS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONTROLS	INCENTIVE	
		\$/kWh	\$/kW ¹
	Variable-speed drives for:		
PR-94826	Dust collector—VFD	\$0.12	\$150
PR-10192	Wastewater treatment blower—VFD	\$0.12	\$150
PR-34895	Wastewater aerator blower—VFD	\$0.12	\$150
PR-20847	Process motor—VFD	\$0.12	\$150
PR-90435	Blower—VFD	\$0.12	\$150
PR-48832	Autoclave fans—VFD	\$0.12	\$150
PR-32454	Car wash vacuum pumps—VFD	\$0.12	\$150
PR-19800	Cooling tower – 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	\$0.12	\$150
PR-17464	Wastewater controls	\$0.12	\$150
PR-93874	Process chiller controls	\$0.12	\$150
PR-89417	Collection control system	\$0.12	\$150
PR-89584	Molding machine controls	\$0.12	\$150
PR-69972	Process laser control	\$0.12	\$150
PR-21879	Combustion air blower flow controls	\$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 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
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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¹ kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.

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 RCx 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:
 - o Replace or clean air filters
 - o Clean evaporator coils and condenser coils
 - o Mechanical components such as economizer actuators/linkages/dampers must be functional and in good working order

RETROCOMMISSIONING Incentives

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 RCx types administered by a Utility. SCE offers:

- Commercial RCx
 - o 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, RCx activities intended to improve operations of the lighting and/or HVAC systems within an industrial facility fall under Commercial RCx
- Industrial RCx
 - o Activities affecting performance of industrial processes and systems
- Agriculture RCx
 - o Activities affecting performance of agriculture processes and systems.

BRO Measures within the Retrocommissioning program (RCx ONLY)

- Behavioral
 - o Designed to influence customer behavior without installation of equipment.
 - For example: Energy Audits, Reports, etc.
 - o Behavioral measures are not yet available.
- Retrocommissioning
 - o 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).
 - o These typically involve tuning of building control systems and replacement of minor components such as sensors.
 - o Replacement of major components such as chillers or package units would be categorized as a different install type.
- Operational
 - o Designed to ensure long-term business practices to maintain efficiency.
 - For example, establishing and following regular maintenance schedules.

Incentives for therm (gas) reductions are currently available for qualifying commercial projects only.

How do I apply for an BRO incentive?

The RCx 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
 - o The RCx Vendor must provide a maintenance plan for the duration of at least three years for the incentivized measure(s).
 - o 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).
 - o 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 (RCx) and operational measures.

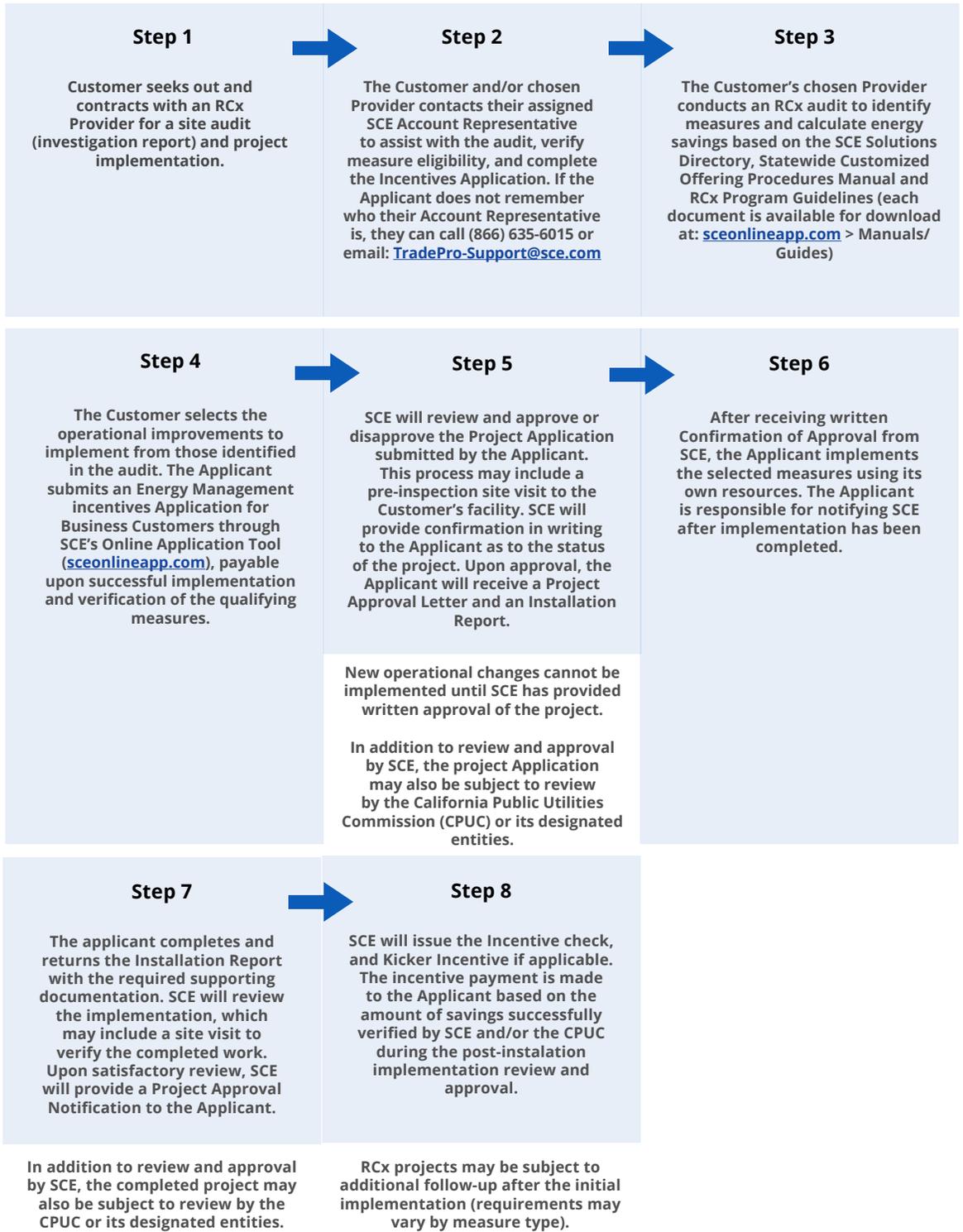
This change has already been implemented and will affect the review and implementation of in-flight RCx projects using affected measures (listed below).

How can I find out more?

Please contact your SCE Account Representative, visit sceonlineapp.com > Manuals/Guides > RCx Program Guidelines

or email us at TradePro-Support@sce.com

RETROCOMMISSIONING Incentives



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 ¹	Gas \$/therm ²
AC-87967	Perform air balance — retrocommissioning	\$0.06	\$150	\$0.75
AC-68030	Constant air volume to variable air volume conversions - retrocommissioning	\$0.06	\$150	\$0.75

HVAC CONTROLS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR FANS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
AC-57213	Optimize HVAC boiler sequencing — retrocommissioning	\$0.06	\$150	\$0.75
AC-10166	Optimize supply fan VFD — retrocommissioning	\$0.06	\$150	\$0.75
AC-12765	Optimize chiller sequencing — retrocommissioning	\$0.06	\$150	\$0.75
AC-19642	Optimize Carbon Dioxide (CO2) Demand Control Ventilation — retrocommissioning	\$0.06	\$150	\$0.75
AC-19845	Optimize room temperature setpoints — retrocommissioning	\$0.06	\$150	\$0.75
AC-25486	Adjust zone temperature deadband — retrocommissioning	\$0.06	\$150	\$0.75
AC-27534	Optimize fan static pressure controls — retrocommissioning	\$0.06	\$150	\$0.75
AC-28476	Optimize exhaust fan VFD — retrocommissioning	\$0.06	\$150	\$0.75
AC-37684	Optimize VAV box flow — retrocommissioning	\$0.06	\$150	\$0.75
AC-38143	HVAC control loop tuning — retrocommissioning	\$0.06	\$150	\$0.75
AC-48273	Optimize chiller water compressor VFD — retrocommissioning	\$0.06	\$150	\$0.75
AC-48587	Optimize zone set-up and setback — retrocommissioning	\$0.06	\$150	\$0.75
AC-48675	Optimize exhaust fan schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-49858	Adjust chiller water reset — retrocommissioning	\$0.06	\$150	\$0.75
AC-56476	Optimize return fan schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-59491	Adjust supply air temperature reset — retrocommissioning	\$0.06	\$150	\$0.75
AC-61048	Reduce deck static pressure — retrocommissioning	\$0.06	\$150	\$0.75
AC-65342	Optimize HVAC boiler schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-24456	Optimize return fan VFD - retrocommissioning	\$0.06	\$150	\$0.75
AC-73518	Optimize sizing of heating equipment — retrocommissioning	\$0.06	\$150	\$0.75
AC-19765	Repair cooling medium piping leaks — retrocommissioning	\$0.06	\$150	\$0.75
AC-19764	Lock thermostat from public access - operational	\$0.06	\$150	\$0.75
AC-19759	Cooling system tune-ups - retrocommissioning	\$0.06	\$150	\$0.75
AC-64388	Optimum start/stop EMS control - retrocommissioning	\$0.06	\$150	\$0.75
AC-89843	Reduced air change rate - retrocommissioning	\$0.06	\$150	\$0.75
PR-90007	Water pressure management with pressure reducing valves - retrocommissioning	\$0.06	\$150	\$0.75

FANS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR FANS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
AC-19755	Adjust or re-fit fan belts - retrocommissioning	\$0.06	\$150	\$0.75
AC-69803	Removal or adjustment of inlet guide vanes for fans with VFDs — retrocommissioning	\$0.06	\$150	\$0.75
AC-19763	Fan static pressure reset - retrocommissioning	\$0.06	\$150	\$0.75
AC-81711	Multiple fan array air handling system - retrocommissioning ³	\$0.06	\$150	\$0.75
PR-26438	System optimization for fans - retrocommissioning	\$0.06	\$150	\$0.75

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1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCalGas customers only.
3. 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.

RETROCOMMISSIONING Incentives

HVAC

Lighting

Motors

Process

Refrigeration

Pumping

RETROCOMMISSIONING Incentives

Pumping Refrigeration Process Motors Lighting HVAC

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR HVAC CONTROLS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
AC-78325	Optimize air handler controls — retrocommissioning	\$0.06	\$150	\$0.75
AC-79695	Revise supply fan schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-84943	Adjust condenser water reset — retrocommissioning	\$0.06	\$150	\$0.75
AC-86734	Optimize fan static pressure reset — retrocommissioning	\$0.06	\$150	\$0.75
AC-89223	Optimize HVAC pressure setting — retrocommissioning	\$0.06	\$150	\$0.75
AC-89556	Optimize HVAC chiller plant schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-89657	Optimize hot water reset — retrocommissioning	\$0.06	\$150	\$0.75
AC-90217	Optimize HVAC condenser water or cooling tower pump sequencing — retrocommissioning	\$0.06	\$150	\$0.75
AC-90765	Optimize outdoor air intake — retrocommissioning	\$0.06	\$150	\$0.75
AC-93844	Optimize cooling tower VFD — retrocommissioning	\$0.06	\$150	\$0.75
AC-98234	Optimize HVAC condenser water or cooling tower fan schedule — retrocommissioning	\$0.06	\$150	\$0.75
AC-98504	Optimize hot water pump VFD — retrocommissioning	\$0.06	\$150	\$0.75
AC-76274	Optimize Data center airside HVAC controls — retrocommissioning	\$0.06	\$150	\$0.75
AC-59870	Optimize space static pressure controls — retrocommissioning	\$0.06	\$150	\$0.75
AC-19756	Condenser water reset — retrocommissioning	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
AC-19760	Clean evaporator coils - retrocommissioning	\$0.06	\$150	N/A
AC-68894	Optimize HVAC water loop balancing — retrocommissioning	\$0.06	\$150	\$0.75
AC-56543	Optimize sizing of cooling equipment — retrocommissioning	\$0.06	\$150	\$0.75
AC-59408	Reconfigure HVAC condenser water system — retrocommissioning	\$0.06	\$150	\$0.75
AC-19761	Adjust refrigerant level - retrocommissioning	\$0.06	\$150	\$0.75
AC-19762	Repair duct work with aerosol sealant - retrocommissioning	\$0.06	\$150	\$0.75
AC-11324	Under-floor Air Distribution with Displacement Ventilation - operational	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
AC-58687	Calibrate HVAC sensor — retrocommissioning	\$0.06	\$150	\$0.75
AC-85607	Optimize HVAC temperature sensor - retrocommissioning	\$0.06	\$150	\$0.75
AC-60890	Optimize HVAC flow sensor — retrocommissioning	\$0.06	\$150	\$0.75

COOLING TOWER

SOLUTION CODE	SOLUTION DESCRIPTION FOR COOLING TOWER	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
AC-91543	Optimize HVAC condenser/cooling tower media — retrocommissioning	\$0.06	\$150	\$0.75

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1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
 2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.

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 ¹	Gas \$/therm ²
LT-23876	Optimize lighting occupancy sensors — retrocommissioning	\$0.06	\$150	\$0.75
LT-79695	Reduce lighting schedule — retrocommissioning	\$0.06	\$150	\$0.75
LT-36754	Optimize daylighting controls — retrocommissioning	\$0.06	\$150	\$0.75
LT-19767	Exterior linear fluorescent de-lamping – operational	\$0.06	\$150	\$0.75
LT-19768	Interior HID de-lamping – operational	\$0.06	\$150	\$0.75
LT-19769	Interior compact fluorescent fixture de-lamping – operational	\$0.06	\$150	\$0.75
LT-19770	Interior induction de-lamping – operational	\$0.06	\$150	\$0.75
LT-19771	Interior linear fluorescent de-lamping – operational	\$0.06	\$150	\$0.75
LT-19772	Exterior induction de-lamping – operational	\$0.06	\$150	\$0.75
LT-19774	Exterior compact fluorescent fixture de-lamping – operational	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
MT-41009	Optimize non-process motor VFD — retrocommissioning	\$0.06	\$150	\$0.75

RETROCOMMISSIONING Incentives

HVAC

Lighting

Motors

Process

Refrigeration

Pumping

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1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.

RETROCOMMISSIONING Incentives

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 ¹	Gas \$/therm ²
PR-90548	Reduce compressed air pressure setting — retrocommissioning	\$0.06	\$150	\$0.75
PR-13321	Relocate air compressor inlet — retrocommissioning (AR Only)	\$0.06	\$150	\$0.75
PR-75894	Compressor sequencing (industrial and commercial refrigeration) — operational	\$0.06	\$150	\$0.75
PR-40967	Compressed air central plant tie-in - retrocommissioning	\$0.06	\$150	\$0.75
PR-81093	Air compressor consolidation - operational	\$0.06	\$150	\$0.75
PR-90111	Air compressor supply line diameter increase - operational	\$0.06	\$150	\$0.75

PROCESS PUMPS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONTROLS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
AC-19758	Trim pump impeller – retrocommissioning	\$0.06	\$150	\$0.75
PR-23985	Optimize performance of process pump - retrocommissioning	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
AC-19757	Removal or adjustment of fan sound attenuators – retrocommissioning	\$0.06	\$150	\$0.75
PR-43665	Optimize process valve leakage - retrocommissioning	\$0.06	\$150	\$0.75
PR-43981	Optimize or reconfigure process condenser water system — retrocommissioning	\$0.06	\$150	\$0.75
PR-78834	Optimize process water loop balancing — retrocommissioning	\$0.06	\$150	\$0.75
PR-19778	Install timed control on an electric process heater – retrocommissioning	\$0.06	\$150	\$0.75
PR-19779	Install recessed plate filter press – retrocommissioning	\$0.06	\$150	\$0.75
PR-19780	Power recovery turbine shaft seal – retrocommissioning	\$0.06	\$150	\$0.75
PR-19781	Water leak detection and repair – retrocommissioning	\$0.06	\$150	\$0.75
PR-19783	Online water loss monitoring system – retrocommissioning	\$0.06	\$150	\$0.75
PM-19537	Reservoir Liner - operational	\$0.06	\$150	\$0.75

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1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.

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 ¹	Gas \$/therm ²
PR-49796	Optimize process pressure sensor - retrocommissioning	\$0.06	\$150	\$0.75
PR-67384	Calibrate process sensor — retrocommissioning	\$0.06	\$150	\$0.75
PR-67985	Optimize process temperature sensor — retrocommissioning	\$0.06	\$150	\$0.75
PR-71524	Repair or optimize process flow sensor — retrocommissioning	\$0.06	\$150	\$0.75

PROCESS CONTROLS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONTROLS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
PR-10231	Optimize process condenser water or cooling tower fan schedule - retrocommissioning	\$0.06	\$150	\$0.75
PR-11090	Replace & install new process furnace with improved controls - retrocommissioning	\$0.06	\$150	\$0.75
PR-14440	Optimize sizing of compressed air receiver tank — retrocommissioning ¹	\$0.06	\$150	\$0.75
PR-19385	Optimize process condenser water or cooling tower pump sequencing - retrocommissioning	\$0.06	\$150	\$0.75
PR-29086	Optimized air compressor sequencing - retrocommissioning	\$0.06	\$150	\$0.75
PR-29812	Compressed air distribution modification — retrocommissioning	\$0.06	\$150	\$0.75
PR-30076	Optimize sizing of central plant supply line — retrocommissioning	\$0.06	\$150	\$0.75
PR-30497	Optimize process pump schedule - retrocommissioning	\$0.06	\$150	\$0.75
PR-34654	Optimize process motor VFD - retrocommissioning	\$0.06	\$150	\$0.75
PR-48121	Optimize process control loop tuning - retrocommissioning	\$0.06	\$150	\$0.75
PR-75324	Optimize process boiler schedule - retrocommissioning	\$0.06	\$150	\$0.75
PR-78273	Optimize air compressor intermediate flow controller — retrocommissioning	\$0.06	\$150	\$0.75
PR-90498	Optimize process boiler sequencing - retrocommissioning	\$0.06	\$150	\$0.75
PR-98023	Optimize process pressure setting - retrocommissioning	\$0.06	\$150	\$0.75
PR-98454	Optimize process chiller plant schedule - retrocommissioning	\$0.06	\$150	\$0.75
PR-19784	Compressed air system maintenance ¹ - retrocommissioning	\$0.06	\$150	\$0.75
PR-19785	Nitrogen air separation system purge - retrocommissioning	\$0.06	\$150	\$0.75
PR-19786	Compressed air system repair - retrocommissioning ¹	\$0.06	\$150	\$0.75

PROCESS FANS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR PROCESS CONTROLS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
PR-65434	Right sizing fans — retrocommissioning	\$0.06	\$150	\$0.75

1. For compressed Air Guidelines, go to the Online Application Tool (sceonlineapp.com).

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

2. Incentives for natural gas savings (therms) are available for eligible SoCalGas customers only.

RETROCOMMISSIONING Incentives

HVAC

Lighting

Motors

Process

Refrigeration

Pumping

RETROCOMMISSIONING Incentives

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 ¹	Gas \$/therm ²
RF-10512	Optimize refrigeration pressure setting — retrocommissioning	\$0.06	\$150	\$0.75
RF-53890	Optimize refrigeration control loop tuning — retrocommissioning	\$0.06	\$150	\$0.75
RF-68733	Optimize refrigeration temperature setpoints — retrocommissioning	\$0.06	\$150	\$0.75
RF-10217	Optimize refrigeration compressor controls — retrocommissioning	\$0.06	\$150	\$0.75
RF-20963	Optimize refrigeration pump VFD — retrocommissioning	\$0.06	\$150	\$0.75
RF-65403	Optimize refrigeration defrost control — retrocommissioning	\$0.06	\$150	\$0.75
RF-70693	Optimize refrigeration floating head pressure controls — retrocommissioning	\$0.06	\$150	\$0.75
RF-89043	Optimize refrigeration evaporator fan controls — retrocommissioning	\$0.06	\$150	\$0.75
RF-80492	Optimize Refrigeration flow sensor - retrocommissioning	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
RF-72638	Calibrate refrigeration sensor — retrocommissioning	\$0.06	\$150	\$0.75
RF-58475	Optimize refrigeration pressure sensor — retrocommissioning	\$0.06	\$150	\$0.75
RF-78593	Optimize refrigeration temperature sensor — retrocommissioning	\$0.06	\$150	\$0.75

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

1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.

REFRIGERATION SYSTEMS

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

SOLUTION CODE	SOLUTION DESCRIPTION FOR REFRIGERATION SENSOR	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
RF-58724	Refrigeration liquid receiver capacity optimization — retrocommissioning	\$0.06	\$150	\$0.75
RF-19787	Efficient refrigeration – operational	\$0.06	\$150	\$0.75
RF-19788	Reduce refrigeration valve leakage – retrocommissioning	\$0.06	\$150	\$0.75

RETROCOMMISSIONING Incentives

- Pumping
- Refrigeration
- Process
- Motors
- Lighting
- HVAC

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1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.

RETROCOMMISSIONING Incentives

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 ¹	Gas \$/therm ²
PM-15246	Repair or optimize pump timer controls - retrocommissioning	\$0.06	\$150	\$0.75
PM-15662	Optimize chilled water pump sequencing - retrocommissioning	\$0.06	\$150	\$0.75
PM-19854	Optimize chilled water pump schedule - retrocommissioning	\$0.06	\$150	\$0.75
PM-23156	Optimize hot water pump schedule - retrocommissioning	\$0.06	\$150	\$0.75
PM-23862	Optimize chilled water pump VFD - retrocommissioning	\$0.06	\$150	\$0.75
PM-28579	Optimize water pump level control system — retrocommissioning	\$0.06	\$150	\$0.75
PM-50934	Optimize condenser water pump VFD — retrocommissioning	\$0.06	\$150	\$0.75
PM-83657	Optimize hot water pump sequencing — retrocommissioning	\$0.06	\$150	\$0.75
PM-90501	Adjust hot water lockout — retrocommissioning	\$0.06	\$150	\$0.75
PM-39807	Optimize condenser water pump schedule - retrocommissioning	\$0.06	\$150	\$0.75
PM-52357	Wastewater pump system overhaul - retrocommissioning	\$0.06	\$150	\$0.75
PM-20487	Commercial Pump System Overhaul - retrocommissioning ³	\$0.06	\$150	\$0.75
PM-90890	Agricultural pump system overhaul - retrocommissioning	\$0.06	\$150	\$0.75

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 ¹	Gas \$/therm ²
PM-58371	Optimize pump discharge valve - retrocommissioning	\$0.06	\$150	\$0.75
PM-21954	Improve performance of pumped fluid distribution piping — retrocommissioning	\$0.06	\$150	\$0.75
PM-30194	Optimize chilled water pump configuration — retrocommissioning	\$0.06	\$150	\$0.75
PM-60798	Optimize condenser water pump configuration — retrocommissioning	\$0.06	\$150	\$0.75
PM-19777	Install or repair chilled water pump - retrocommissioning	\$0.06	\$150	\$0.75

PUMPS

Customized Solution

Items eligible for Customized Solution incentives are shown below.

SOLUTION CODE	SOLUTION DESCRIPTION FOR PUMPS	INCENTIVES		
		Energy \$/kWh	Demand \$/kW ¹	Gas \$/therm ²
PM-27202	Right sizing pumps — retrocommissioning	\$0.06	\$150	\$0.75
PM-19776	Trim pump impeller - retrocommissioning	\$0.06	\$150	\$0.75
PM-10485	Industrial pump system overhaul - retrocommissioning ³	\$0.06	\$150	\$0.75

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

1. kW incentive applies. Refer to the Appendix: Eligibility requirements for incentive qualifications and detailed calculations.
2. Incentives for natural gas savings (therms) are available for eligible SoCal Gas customers only.
3. Please utilize the pump overhaul guidance document located at scaonlineapp.com

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) Technology 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), the Statewide Customized Offering Procedures Manual (www.sceonlineapp.com), and the Auto-DR Technology Incentives Program Guidelines (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

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 Technology 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 Technology Incentives Program Guidelines. Customized calculations will be in accordance with the Statewide Customized Offering Procedures (www.sceonlineapp.com). Auto-DR Technology 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 Technology Incentive payments will only be issued directly to the customer.

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,

APPENDIX

Incentive and Rebate Eligibility Requirements

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, without SCE's prior written consent. 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.

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 (if Express Pending).
- **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. 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.

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 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. Please refer to the "What's New" section of the Online Application (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 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 the inspector determines 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 non-rebated 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.

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).

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).

APPENDIX

Rebate Eligibility Requirements

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. Please refer to the "What's New" section of the Online Application (sceonlineapp.com) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

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

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, or contact your assigned SCE Account Representative.

ON-BILL FINANCING PROGRAM

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)
- Retro-commissioning (RCx)
- Midstream Point of Purchase (MPOP)
- Multifamily Energy Efficiency Rebate Program

OBF LOAN AMOUNT LIMITS AND TERMS

Customer Segment	Individual SA	Bundled SAs	Consolidated SAs	Loan Terms
Governments and Institutions (G&I)	Min: \$5,000 Max: \$250,000	Min: \$5,000 Max: \$250,000	N/A	Up to 10 Years
Multifamily	Min: \$5,000 Max: \$250,000	N/A	Min: \$5,000 Max: \$250,000	Up to 10 Years
Business	Min: \$5,000 Max: \$100,000	N/A	Min: \$5,000 Max: \$100,000	Up to 5 Years

- Government and Institutional customers are eligible for loans of up to \$1 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

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 and notarized.

5. OBF Loan Funds Distribution

Upon receipt of your signed and notarized 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

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 Vendor Directory Form and 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.

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 TradePro Vendor Directory: Expand Trade Professional visibility to customers searching the SCE TradePro Directory.
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 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. 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.

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 without the express prior written approval of SCE. 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 sub-par, 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 non-compliance 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 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 program:

- 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. Please refer to the “What’s New” section of the Online Application (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 when participating in this program:

- You should be able to reduce your electric load between the hours of 2pm and 6pm 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. Customers on RTP will be billed for their energy usage with no time-related demand charges during the summer months.

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. Please refer to the "What's New" section of the Online Application (sceonlineapp.com) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

DEMAND RESPONSE

DR Programs Dual Enrollment Options for Business Customers

If you are already enrolled in one of SCE’s Demand Response (DR) programs, you are likely enjoying all the benefits of participation. Besides reducing energy usage, lowering your electricity costs and ultimately saving money, you are helping to make a difference in California’s energy and economic well-being by reducing electricity usage when it is needed most.

Enrolling in more than one DR program at a time may give you incentives beyond what a single program may provide. If you are enrolled in a DR program, the table below shows your compatible second DR program option (these are subject to eligibility requirements).

If You Are Enrolled in This Program Today	You May Add One of These Programs
Agricultural and Pumping Interruptible (AP-I) Program	• CPP • RTP • SLRP
Base Interruptible Program (BIP)	• CPP • RTP • SLRP
Capacity Bidding Program (CBP) with “Day-Of” Option	• CPP • RTP • SLRP
Capacity Bidding Program (CBP) with “Day-Ahead” Option	• RTP • SLRP
Critical Peak Pricing (CPP)	• AP-I • BIP • SDP • CBP with “Day-Of” Option • LCR RFO • PRP RFO
Real-Time Pricing (RTP) Program	• AP-I • BIP • SDP • CBP with “Day-Of” Option • LCR RFO • PRP RFO
Scheduled Load Reduction Program (SLRP)	• AP-I • BIP • SDP • CBP with “Day-Of” Option • LCR RFO • PRP RFO
Summer Discount Plan (SDP) Program	• CPP • RTP • SLRP
Local Capacity Requirements Request for Offer (LCR RFO)	• CPP • RTP • SLRP
Preferred Resources Pilot Request for Offer (PRP RFO)	• CPP • RTP • SLRP

In addition to being able to sign up for two DR programs, you may also participate in Optional Binding Mandatory Curtailment (OBMC), a program which exempts customers from rotating outages in exchange for partial load reduction of their entire circuit during every rotating outage.

Please see next page for additional terms and conditions.

Special Terms and Conditions

Participation Combinations		Special Terms and Conditions that Apply
OBMC	Up to two eligible DR programs	OBMC customers participating in DR programs will not receive payment for energy reductions (kWh) during overlapping event hours.
BIP (Aggregation)		Customers enrolled in BIP through an Aggregator are not eligible to participate in any other DR programs.
CPP	AP-I, BIP, SDP	CPP customers dual participating with other DR programs will be capped at the maximum available on- and mid-peak demand charges applicable to their base rate.

For the latest information about dual enrollment options, please refer to the **Demand Response Dual Enrollment Options** chart at www.sce.com/drp.

This information is meant to enhance your understanding of SCE's DR Programs. It does not replace pricing information contained in the CPUC-approved tariffs. Please refer to the tariffs, which can be viewed online at sce.com, for a complete list of terms and conditions of services.

AUTO-DR TECHNOLOGY INCENTIVES (AUTO-DR TI)

ELIGIBILITY

The Auto-DR Technology Incentives ([on.sce.com/autodr](https://www.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](https://www.sce.com/drp). LCR RFO participants cannot receive Auto-DR incentives, even if they are enrolled in a Qualifying DR Program.

AUTOMATED DEMAND RESPONSE EXPRESS TECHNOLOGY 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 TECHNOLOGY 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 Technology 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 technology incentives, you must enroll and/or remain enrolled in a Qualifying Demand Response Program for 36 consecutive months (upon receipt of technology incentives).

For complete terms and conditions, contact the Auto-DR helpdesk at autodr@sce.com. 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 TECHNOLOGY INCENTIVES

CONTINUED

VERIFICATION OF LOAD REDUCTION

To qualify for Auto-DR Technology 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 TI 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 TI program.

PROOF OF PURCHASE AND INSTALLATION

With any Auto-DR TI 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 TI 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. Cloud-based controls, leased equipment, metering equipment, service contracts, and any recurring costs do not qualify under the Auto-DR TI 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 TI program. While a reservation reserves funds for a project, payment of incentive is not guaranteed and is subject to post-installation performance verification.

For complete terms and conditions, contact the Auto-DR helpdesk at autodr@sce.com. Please refer to the “What's New” section of the Online Application (sceonlineapp.com) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

Options

DEMAND RESPONSE

MAXIMIZE

TECHNOLOGY INCENTIVES

Auto-DR is an “enabling technology” 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 Technology Incentives:

AUTOMATED DEMAND RESPONSE EXPRESS TECHNOLOGY 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 verification 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)

AUTOMATED DEMAND RESPONSE CUSTOMIZED TECHNOLOGY 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)

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. Please refer to the “What’s New” section of the Online Application (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 technology incentives, please review the Program Guidelines at: <http://on.sce.com/autodr>.

We encourage you to use the Online Application Tool available on sce.com/solutions to complete and submit your application.

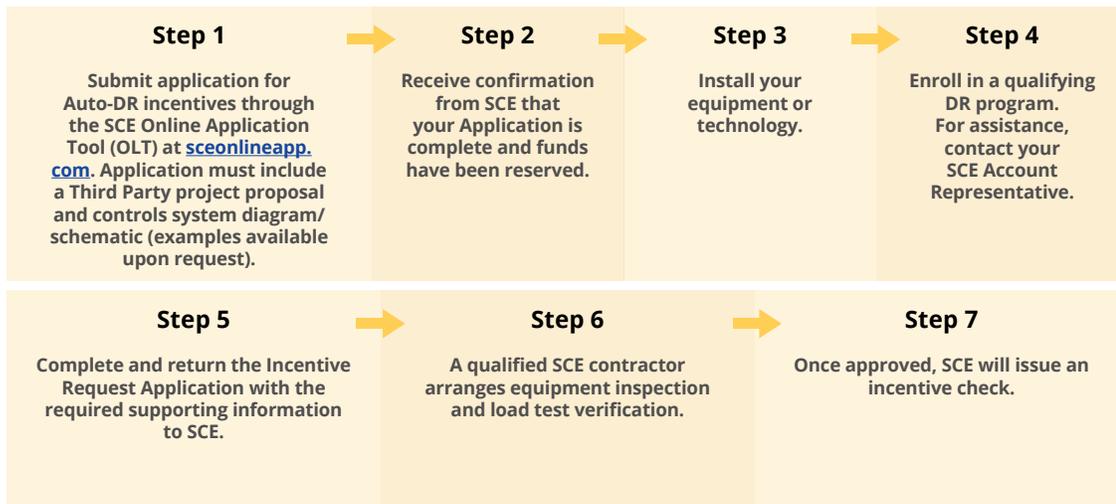
For more information, including a manual alternative to complete and submit your application, refer to pages 100-102.

APPLY

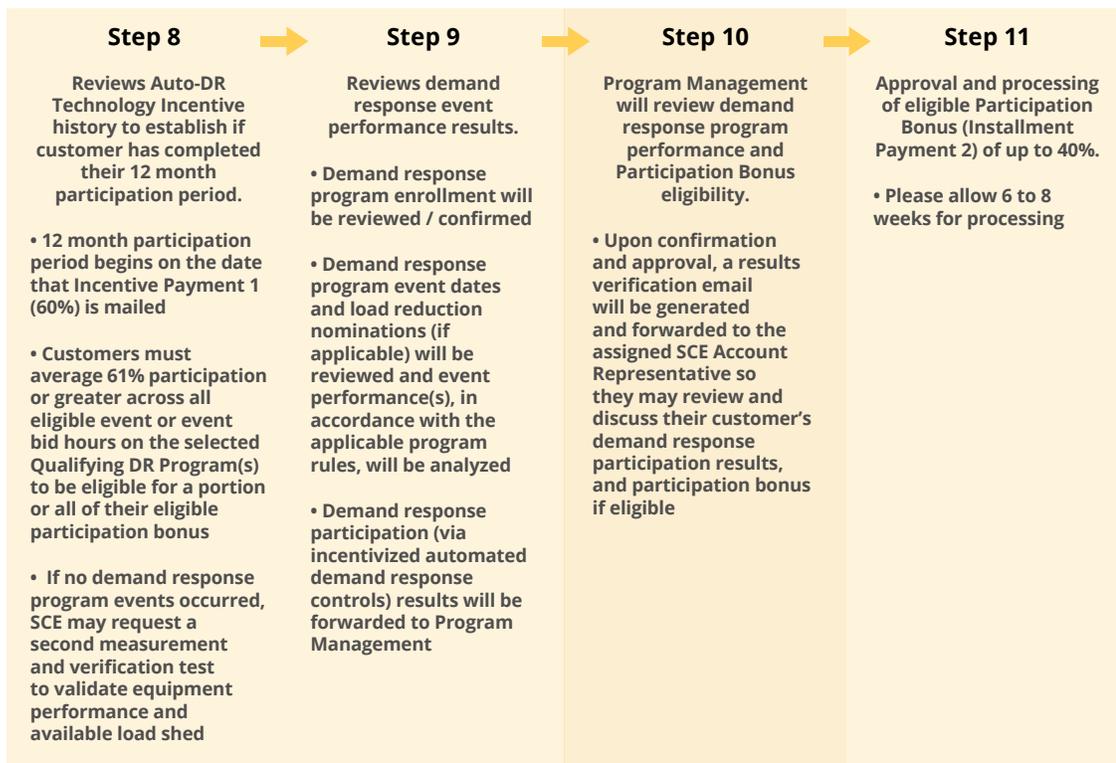
To qualify for Auto-DR Technology Incentives you need to satisfy the eligibility requirements located in the Appendix on pages 93-95.

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
TECHNOLOGY INCENTIVES AND STRATEGIES**

Use the information in this section or the Auto-DR Express Solutions Tool at 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-28016	HVAC Controls—5° F Space Temperature Reset	Defined in project proposal
DR-30795	HVAC Controls—6° F Space Temperature Reset	Defined in project proposal
DR-45832	HVAC Controls—10-Minute Duty Cycle (Compressor Only)	Defined in project proposal
DR-59933	HVAC Controls—15-Minute Duty Cycle (Compressor Only)	Defined in project proposal
DR-68563	HVAC Controls—20-Minute Duty Cycle (Compressor Only)	Defined in project proposal
DR-89723	HVAC Controls—10-Minute Duty Cycle (Compressor & Supply Fan) Small Office and Food Stores only	Defined in project proposal
DR-18348	HVAC Controls—15-Minute Duty Cycle (Compressor & Supply Fan)	Defined in project proposal
DR-98064	HVAC Controls—20-Minute Duty Cycle (Compressor & Supply Fan)	Defined in project proposal
DR-72013	HVAC Controls—30-Minute Duty Cycle (Compressor & Supply Fan) Retail only	Defined in project proposal

**AUTOMATED DEMAND RESPONSE CUSTOMIZED
TECHNOLOGY INCENTIVES AND STRATEGIES**

Use the information in this section or the Auto-DR Customized Solutions Tool at 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 intake 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)

For complete terms and conditions, contact the Auto-DR helpdesk at autodr@sce.com. Please refer to the "What's New" section of the Online Application (sceonlineapp.com) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

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 Enhancement	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-19883	Controls for Battery Chargers	Delay use of battery chargers
DR-72615	Controls — Other	Defined in project proposal
DR-59114	SCADA Installation	Defined in project proposal
DR-29174	SCADA Enhancement	Defined in project proposal
DR-92946	Controls	DR for battery controls

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 Response	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.

For complete terms and conditions, contact the Auto-DR helpdesk at autodr@sce.com. Please refer to the “What’s New” section of the Online Application (sceonlineapp.com) for additions, deletions and other changes to solutions and eligibility requirements since the publication date of this document (print or online).

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.¹

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

BUILDING TYPE CODE TABLE			
BUILDING CODE	FINAL BUILDING TYPES	EXAMPLE	SECTOR
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 — 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 or inpatient rehabilitation, usually several hundred thousand square feet	Commercial
11	Health/Medical — Nursing Home	Assisted living, nursing home, retirement home or inpatient rehabilitation, usually under 100,000 square feet	Commercial
13	Lodging — Hotel	Lodging facilities, usually several hundred thousand square feet, common activity areas	Commercial
14	Lodging — Guest Rooms	Lodging facilities guest rooms, non-common activity areas	Commercial
15	Lodging — Motel	Lodging facilities, usually under 100,000 square feet, common activity areas	Commercial
16	Manufacturing — Bio/Tech	Research and manufacturing facilities with clean rooms for pharmaceutical, medical or communications	Industrial
17	Manufacturing — including: Manufacturing — Light industrial Manufacturing — Industrial Manufacturing — Agricultural	Appliance, assembly, machine shops, parts, textile manufacturing facilities Petroleum, cement and metal manufacturing, or wastewater facilities Agricultural facilities and buildings	Industrial
20	Office — Large	Government office, bank, city hall, social service, collectively over 100,000 square feet	Commercial
21	Office — Small Health/Medical - Clinic Miscellaneous Commercial Transportation/Communication Utilities	Daycare or preschool, church, contractor or sales office, collectively under 10,000 square feet Medical office, clinic, outpatient health care, outpatient rehabilitation, veterinarian Beauty parlor, crematorium, gas station, kennel, laundromat, post office, police station Telephone switching, data center or server farm, street lighting, traffic signal lighting	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, typically 500,000 square feet or larger	Commercial
31	Storage — Unconditioned	Non-refrigerated or unconditioned warehouses, distribution or shipping center	Commercial
33	Refrigerated Warehouse	Smaller refrigerated warehouses, typically between 100,000 and 500,000 square feet	Commercial

ONLINE

Option 1



1. Log on to sceonlineapp.com.

If applying for Express Solutions, Customized Solutions, On-Bill Financing and/or Auto-DR Technology 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.

Time and Date stamp recorded
at the time of electronic submission

Option 2



REQUIRED DOCUMENTATION TO BE SUBMITTED WITH YOUR APPLICATION

1. **Payees** (Section 9, Part B of this application) must submit a completed W-9 and CA-590. If Payee is an SCE Partnership partner, only submit a completed W-9.
2. **Trade Professionals** (Section 1, Part B of this application) must have a completed Trade Professional Participation Agreement (learn more at 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 Technology 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:

- Date of Purchase
- Full description of new equipment.
- A line item that subtracts SCE’s incentives amount from the Total Project Costs, when the Payee is the Trade Professional
- Payment status (paid or payment terms)

Purchase Order must include:

- Date of order or delivery
- Full description of new equipment
- Equipment cost
- Payment terms
- Customer’s (Section 1A, Part A) signature

Lease Agreement must include:

- Lease start date and length
- Full description of new equipment
- Equipment cost
- Payment terms
- Customer’s (Section 1A, Part A) signature

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.
 - **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.

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 Technology 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.

HELPFUL CONTENT AND WEBSITE LINKS TO INFORMATION

CONTACT FOR AREA OF SUPPORT	EMAIL ADDRESS	PHONE NUMBER
Business Incentives	BusinessIncentives@sce.com	1-800-736-4777
Customer Service and Support	EMSAApplication@sce.com	1-800-655-4555
TradePro Support	TradeProSupport@sce.com	1-866-635-6015

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

