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Mission Statement

Safe, Reliable, Affordable Power for Southern California

“Electricity powers our homes, our businesses, and our communities. We’ve delivered it to Southern and Central California for more than 125 years. As one of the nation’s largest electric utilities, we’re committed to keeping electricity safe, reliable, and affordable today and for the future.”

SCE Non-Residential Rate Category Example

Q1 2015, all remaining non-residential customers (GS-1 and GS-2) were migrated onto mandatory Time-of-Use rates.

- ❖ SCE Account Managers are trained to discuss SCE rates and programs.
- **Business Rates are based on peak (maximum) kW, and are not limited to:**
 - 0 – 19 kW: TOU-GS-1 • 20-199 kW: TOU-GS-2 • 200-499 kW: TOU-GS-3 • 500 kW and above: TOU-8

SAMPLE Time of Use rate. *This sheet is meant as a job aid and does not replace SCE tariffs.

Winter (available on customer's bill)

Monthly Customer Charge: \$444.79

Facility Demand Charge: \$16.14 (peak kW)

Mid-Peak Energy Charge: \$0.084 (per kWh)

Off-Peak Energy Charge: \$0.063 (per kWh)

Summer (available on customer's bill)

Monthly Customer Charge: \$444.79

Facility Demand Charge: \$16.14 (peak kW)

On-Peak Demand Charge: \$18.83 (max kW)

Mid-Peak Demand Charge: \$5.52 (max kW)

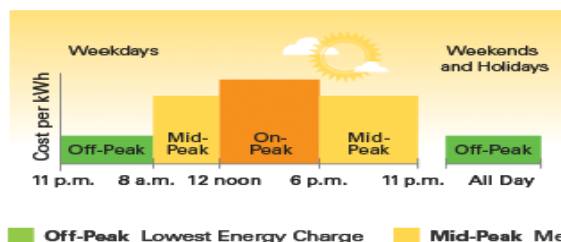
On-Peak Energy Charge: \$0.133 (per kWh)

Mid-Peak Energy Charge: \$0.083 (per kWh)

Off-Peak Energy Charge: \$0.058 (per kWh)

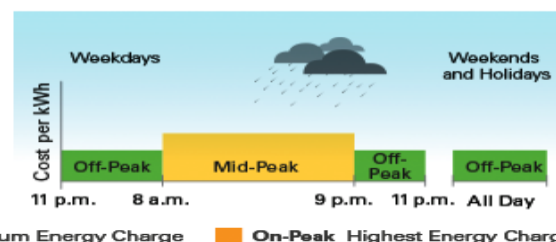
Summer Time-Of-Use Hours

Begins June 1 and continues through October 1.



Winter Time-Of-Use Hours

Begins October 1 and continues through June 1.



■ Off-Peak Lowest Energy Charge ■ Mid-Peak Medium Energy Charge ■ On-Peak Highest Energy Charge

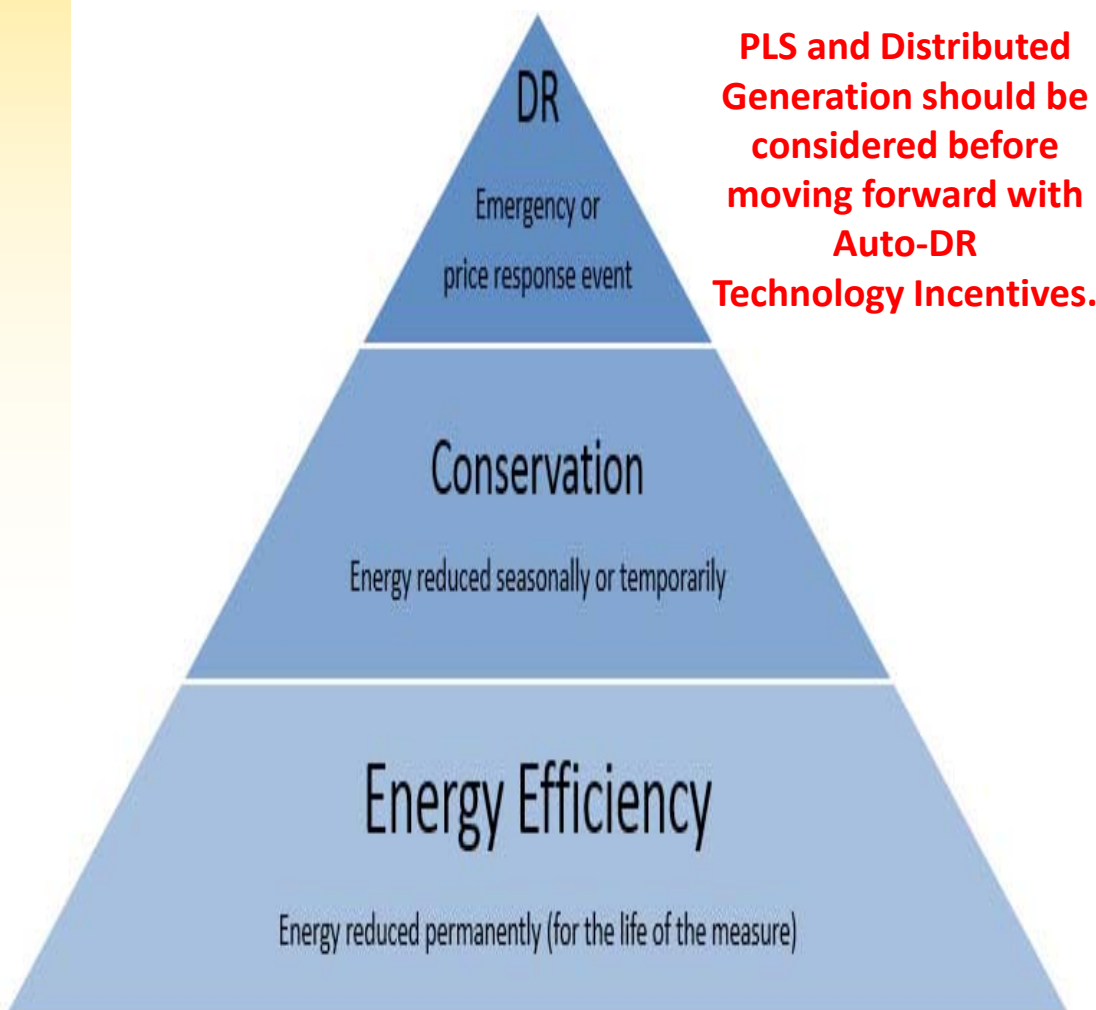
*Rates are subject to change and may vary. Other charges apply.

*This sheet is meant as a job aid to understanding SCE's pricing schedules. It does not replace the tariffs. Please refer to the individual rate schedule of interest for a complete listing of terms and conditions of service, which can be viewed or printed via the Internet at www.sce.com.

IDS_M and Loading Order

Integrated Demand Side Management (IDS_M) is identified in the CPUC Strategic Plan “as an overarching strategy to promote customer-side energy management and achievement of zero net energy goals ”

- Energy Efficiency and Conservation are the first resources in our loading order.



- Permanent Load Shifting (Thermal Energy Storage)
 - www.sce.com/pls
 - Incentives up to \$875
 - Incentives are based on cooling load shift (kW / Ton)
 - Load must be shifted from on-peak hours for the four summer months
 - Fans and lighting are typical loads available after a PLS installation
 - Projects may also be eligible for EE

- Distributed Generation & Energy Storage
- Battery storage can be utilized for Demand Response
 - Incentives may be available through SCE’s Self-Generation Incentive Program (SGIP)
 - www.sce.com/sgip
 - Incentives are available for technologies other than battery storage

SCE.com Contractor Page

Contractor Center

- www.sce.com/Contractor
- Are you signed up?



- Are you subscribed?



E-Newsletter

[Subscribe to our Energy Solutions E-Newsletter](#) to get the latest updates about our policies, procedures, solutions, and resources. You can also view our E-Newsletter [Archive](#) to view previous editions.

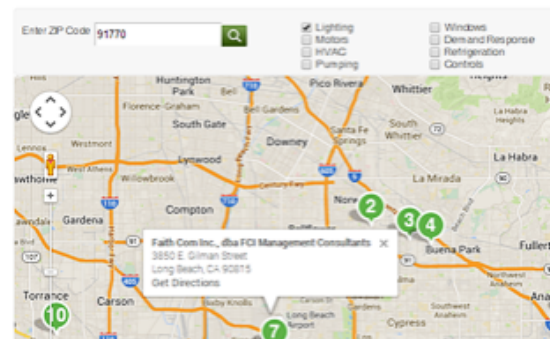
Contractor Center

 E-mail  Print  Tweet

Whether you need help with an energy management project or you provide energy management products or services and want to meet with clients, our Contractor Center makes it easy to connect.

For Business Customers

Thinking of making your business more energy efficient? We've compiled a Contractor & Vendor Directory that connects you with the help you need. From lighting supply wholesalers to refrigeration specialists and even whole building consultants, these are the professionals that can help you save energy and money.



Looking For Contractors or Vendors?

To find the energy efficiency contractors and vendors nearest you, try using our online Contractor & Vendor Directory.

[View Contractor & Vendor Directory](#)

You can also call 1-866-635-6015 or email vendordirectory@sce.com

For Contractors and Vendors

Connect With Clients

If you are a provider of energy management products and services, such as a contractor, installer, or energy service company, SCE has an easy way to connect your company to potential clients. We've established a [Contractor and Vendor Directory](#) that our customers can use to find professional help with energy upgrades.

In addition to helping people with their energy upgrades, you may be able to reduce a project's upfront cost by taking advantage of some of our incentive programs.

Get Your Business Listed

To list your company in our Contractor and Vendor Directory and to become a Customer's Authorized Agent (CAA), follow these steps:

1. Download the [Vendor Directory Form](#)
2. Download the [CAA Agreement](#)
3. Fill out both forms and email them to: vendordirectory@sce.com

Auto-DR TI 2015-2016

Auto-DR filed an Advice Letter in 2013 for a proposed statewide design for 2015-2017 program cycle.

In January 2014 the CPUC approved a Decision to adopt a two year Bridge Fund beginning January 1, 2015, and running through December 31, 2016.

- **2015-2016 Incentives**

- \$18.6m
 - \$4.2m is designated for the SONGS Mitigation Target Area
- No changes
 - “Up to” \$300/kW
 - 60/40 incentive structure for Customized projects
 - Mandatory 36 consecutive months of enrollment on a qualifying DR program
 - Letter of Agreement on incentives \geq \$200,000 per S/A
 - Controls must be certified OpenADR 2.0A (B continues to be tested)
- Must submit
 - Application, Third Party project proposal, Controls system diagram
- Must
 - Have a minimum of 4 summer months of interval data

- **Effective May 1, 2015**

- Warranty
 - Technology must remain under a Manufacturer’s warranty for a minimum of 3 years.
 - Auto-DR will pay up to 2% of the total allowed project cost for the manufacturer’s warranty, not to exceed the cost of the energy management controls system.

Incentive Application Submissions

Applications are submitted through SCE's Online Application Tool (OAT). This is the same tool that is being used for SCE's Core Energy Efficiency programs.

- This was part of a larger initiative to improve ADR operational efficiencies
- To assist with this change, Auto-DR conducted a vendor based training webinar.
 - The July 2014 training was recorded to assist those who were unable to attend, and serve as a reference for those who did.
 - www.caasupport.com/training/autodr-using-online-application-tool-autodr-solutions/
- For Online Application Tool support, contact SCE's Customer's Authorized Agent technical support, Clear Result.
 - www.caasupport.com
 - CAASupport-Projects@sce.com
 - 800-935-5112

SCE Target Areas = New Opportunities

Preferred Resources Pilot (PRP)

- The PRP focuses on 40 zip codes on a transmission-constrained area of SCE's service territory served by the Johanna and Santiago substations in Central Orange County.
- The PRP focuses on acquiring and integrating the use of preferred resources in a way that demonstrates their ability to meet local energy needs within a defined area.
 - This approach forges a new path and may result in key findings that will inform public policy decisions, the future dependability of preferred resources, and the design of the grid of the future.
- Preferred resources
 - EE, DR, Renewables and Energy Storage

SONGS Mitigation Target Area

- 202 zip codes (designated by A-Bank).
- SONGS projects will be prioritized throughout the entire Auto-DR process.

Auto-DR Customized TI

Customized Incentives are Paid in Two Installments

- **Installation Payment 1 (IP 1): 60% after 2 hour measurement & verification test**
- **40% Participation Bonus (IP 2) based on 1st year of DR program participation**
 - Customers must average 61% participation or greater across all event hours on a qualifying DR program to be eligible for a portion or all of the participation bonus.
- **Non-reimbursable expenses**
 - Leasing / leased equipment, Cloud-based controls, Metering equipment (including PIB's), Service contracts, Warranties, Recurring costs (ex. DSL lines), Non-curtable load controls, Cameras...
- **It is the customer's responsibility to have completed pre-tests to ensure proper functionality prior to M&V.**
 - ❖ If the SCE M&V test is unsuccessful at verifying load reduction, the customer is eligible for one retest at no cost if SCE is at fault.
 - ❖ If an additional M&V retest(s) is necessary, the cost to conduct the additional M&V retest(s) will be deducted from the customer's eligible incentive.

Auto-DR Express TI *UPDATED*

Auto-DR Express (NO 60/40)

- Incentives paid IN FULL after project completion and 2 hour equipment verification and demonstration
- Incentives are based on facility & measure type, climate zone, max kW (12 most recent months), not the CSSB or 10 in 10 baseline
- Online tool: www.sceonlineapp.com/measures/MeasureSelect.aspx
- No changes (yet) to SCE.com, fact sheet, Program Guidelines or the Solutions Directory

Predetermined kW savings for standard technologies

- Lighting controls: 20%, 30% or 40% reduction
- Temperature reset controls for HVAC: 4°F, 5°F or 6°F
- Duty-cycling of HVAC compressor(s) only: 10, 15 or 20 minutes
- Duty-cycling of HVAC compressor(s) and supply fans: 10, 15 or 20 minutes
 - Retail customers are now eligible for ~~10~~ 15, 20 or 30 minute duty-cycling

Qualifying Customers (based on CEUS and Peak Demand, NO CSSB)

- Office 100 - ~~400kW~~ 499kW
 - (Daycare, churches and offices under 100,000 sqft)
- Retail 100 - ~~400kW~~ 499kW
 - (Stores located in strip malls, and studios or galleries)
- Food Stores 100 - 250kW
 - (Convenience stores, including those at gas stations, and liquor stores)

Qualifying Demand Response Programs



Auto-DR Eligible Program	Eligible Event Hours	Performance Baseline Methodology	Additional Requirements
<p>Summer Advantage Incentive (SAI) *also known as CPP</p>	<p>All dispatched event hours</p>	<p>10 day average baseline ("10/10")</p>	
<p>Real Time Pricing (RTP, PA-RTP)</p>	<p>Extremely Hot Summer Days from 2:00pm to 6:00pm</p>	<p>Average demand across the last 10 mild, non-holiday, weekdays</p>	<p>If no Extremely Hot Summer Days occur within 12 months, Very Hot Summer Days will be used.</p>
<p>Demand Bidding Program (DBP)</p>	<p>All hours with submitted bids *Minimum two hour bids for all DBP events.</p>	<p>10 Day Average Baseline ("10/10") 10/10 with 20% adjustment option *Based on customer selection</p>	<p>If no bids are submitted, the event(s) will count with zero load reduction for two hours per event.</p>
<p>Aggregator Managed Portfolio (AMP) *also known as DRC</p>	<p>All dispatched event hours</p>	<p>10 Day Average Baseline ("10/10") 10/10 with 40% adjustment option *Based on Aggregator selection</p>	<p>Customer must be nominated each month by their Aggregator.</p>
<p>Capacity Bidding Program (CBP)</p>	<p>All dispatched event hours</p>	<p>10 Day Average Baseline ("10/10") 10/10 with 40% adjustment option *Based on Aggregator selection</p>	<p>Customer must be nominated each month by their Aggregator.</p>

Base Interruptible Program RTU Retirements

Tariff updated to the following

- RTU (remote terminal unit) references removed
- “Customers are responsible for ensuring that the notification can be received and any telephone company charges for necessary telephone service”

Dedicated phone still required

RTUs were supported until March 1, 2014

OpenADR was fully supported as of March 1, 2014

- ❖ This is an “optional” RTU alternative
- ❖ NO Auto-DR incentives available for BIP

First Tuesday Test will be limited to dedicated phone line and courtesy contacts

Please contact your assigned SCE Account Representative or the Demand Response Help Desk for additional information

- DRP@sce.com
- 866-334-7827

IDSMS Projects (Integrated EE and Auto-DR)

Qualifying SCE business customers receiving Express or Customized Energy Efficiency incentives may also be eligible for Auto-DR Technology Incentives for the installation of a qualifying building energy management system (EMS, BAS, etc.).

- Auto-DR controls must allow for building scheduling and be:
 - OpenADR 2.0 certified by the OpenADR Alliance (www.products.openadr.org)
 - Installed at a customer owned facility or on a customer owned server in SCE service territory
- Auto-DR can offer additional incentives for the following - after energy efficiency incentives and the associated load reduction (kW/kWh) has been verified and approved for payment.
 - For example:
 - Energy management system and programming, EMS upgrades
 - Communications that help scheduling (wired / wireless)
 - Itemized labor for the controls portion of the installation (see Auto-DR Invoice Checklist)
 - Controls over facility fans, central plant, etc. that result in EE savings
 - Variable frequency drives on pumps or HVAC
- Auto-DR does not offer incentives on storage (air, water, etc.), lighting (lamps, dimming ballasts without tuning, troffers, sensors), air compressors, cloud controls, recurring costs, etc.
- ❖ Auto-DR incentives cannot exceed more than 100% of the actual and reasonable project cost after energy efficiency incentives have been verified, approved and paid, including the Comprehensive Bonus.
 - Projects will be reviewed and approved on a case by case basis
 - Projects must adhere to each programs' application guidelines and requirements

Energy Efficiency Comprehensive Bonus

Any single application (for a single facility or campus) which includes at least three of the following qualifications may be eligible for the Comprehensive Bonus.

- See SCE Solutions Directory pages for details on the Comprehensive Bonus
 - www.sceonlineapp.com > Solutions Directory
- End Use Triggers (any end use cannot be less than 10% of total end use incentive):
 - Lighting
 - HVAC
 - Process
 - Refrigeration
 - Advanced Controls
 - Incentives Application must include at least one solution code from the Customized program
- Retrocommissioning (RCx)
- Current EE program cycle new enrollment in Demand Response programs
 - SDP
 - RTP, SAI (CPP) and SAI Lite, CBP, AMP, DBP
 - These five DR programs qualify for Auto-DR Technology Incentives
 - Automated Demand Response (Auto-DR) Technology Incentives
- The Comprehensive Bonus adds an additional 20% kicker to the incentive
 - Up to \$25,000 per billing address (not subject to project cost caps)

Comprehensive Bonus EMS Example

A large office building applies for a comprehensive project by installing an OpenADR 2.0 (certified) EMS to control existing chiller(s), which includes:

1. New EMS (controls) to allow for building scheduling which saves 100,000 kWh
2. Optimize sequencing of existing chillers for (Retrocommissioning/RCx) which saves an additional 150,000 kWh and reduces 20 kW annually
3. Participates in a qualifying DR program through the Auto-DR Technology Incentive program with a 4°F Space Temperature Reset which reduces 100 kW

Scheduling: $100,000 \times \$0.08/\text{kWh}$ = \$8,000.00

Sequencing: $150,000 \times \$0.08/\text{kWh} + 20 \times \$100.00/\text{kW}$ = \$14,000.00

EE Subtotal = \$22,000.00

20% Comprehensive Bonus = \$ 4,400.00

*Auto-DR: $100 \times \$300.00/\text{kW}$ = \$30,000.00

Total Incentive = \$56,400.00

*Auto-DR Technology Incentives are a separate enabling technology incentive and are not paid in conjunction with Energy Efficiency.

New Program Development & Launch

- **If you have a great idea for a new product or service we want to hear about it.**
 - on.sce.com/ideas
 - To submit your idea for consideration, please complete a proposal form.
 - The form will provide guidance on what is needed for the review.
 - Submit the form along with any supporting documentation to our New Products and Services team.
 - Sorry, no shortcut for the form:
 - www.sce.com/wps/wcm/connect/7ed549ee-5998-44d5-988d-8f7b2b4562d7/SCE+New+Product+Intake+Form+Rev2.0.doc?MOD=AJPERES
 - Questions?
 - Contact: DSMideas@sce.com

Contact Information

- 24 hour emergency services
 - 800-611-1911
 - Smart phone App is available
- Commercial and Industrial Services
 - 800-990-7788
- General Customer Service
 - 800-655-4555
- Energy Efficiency, Demand Response, Auto-DR, Retrocommissioning
 - Customers should contact their assigned SCE account representative
 - If they do not have or do not know their SCE rep, please call the Commercial & Industrial Services number
- Auto-DR Help Desk
 - on.sce.com/autodr
 - AutoDR@sce.com
 - 866-238-3605
- Demand Response Programs Help Desk
 - www.sce.com/drp
 - DRP@sce.com
 - 866-334-7827
 - ❖ Smart phone App for DR program notifications is coming – Summer 2015