

Emergency Load Reduction Program (ELRP) FAQ's



Answers to Frequently Asked Questions for Directly Enrolled Customers

What is the Emergency Load Reduction Program (ELRP)?

The ELRP is a five-year pilot (2021-2025) that will provide incremental load reduction during times of high grid stress and emergencies, with the goal of avoiding rotating outages, while minimizing costs to ratepayers.

How do I enroll in the ELRP?

To enroll, visit sce.com/drp/enroll, and click on the ELRP link. You will need your service account number to sign up, which is located on your bill. Once you enroll, we will email you with some follow up questions.

Can CCA and DA customers participate on ELRP?

Yes, unbundled customers can participate, as long as they meet the program requirements.

Will I receive a notification when an ELRP event is scheduled?

Yes, we will notify your designated contact(s) via email, phone and/or text (SMS) when an event is scheduled.

You can also download the SCE DR Mobile App from the app store to receive courtesy event notifications.

When can an ELRP event be called?

An ELRP event can be called on a Day-ahead or a Day-of basis after a CAISO alert, warning, or emergency is issued.

What is a kW Bid?

A kW bid is the amount of energy or kilowatts (kW) you commit to reducing during each hour of an ELRP event.

How do I submit a kW Energy Bid?

You can submit your ELRP kW energy bid on the enrollment form when you sign up.

How do I know what to Bid?

Average Hourly Usage (kWh)	4,000	1,000	500	200	150	100	75	50
Your ELRP Energy Bid (kW for each hour)	2,000	500	250	100	75	50	37.5	25
Actual Performance: 45% of Bid	900	225	112.5	45	33.75	22.5	16.875	11.25
Incentive earnings	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Actual Performance: 50% of Bid	1,000	250	125	50	37.5	25	18.75	12.5
Incentive earnings:	\$1000	\$250	\$125	\$50	\$37.50	\$25	\$18.75	\$12.50
Actual Performance: 100% of Bid	2,000	500	250	100	75	50	37.5	25
Incentive earnings:	\$2000	\$500	\$250	\$100	\$75	\$50	\$37.50	\$25
Actual Performance: 200% of Bid	4,000	1000	500	200	150	100	75	50
Incentive earnings:	\$4,000	\$1000	\$500	\$200	\$150	\$100	\$75	\$50

You are allowed to bid as much as you're willing to reduce per hour for the duration of the event. Keep in mind that the minimum bid is 1 kW per hour. Above are sample scenarios to help illustrate how bids can be established and the credits calculated. **Please note that you will not receive any credits if energy usage is not reduced by at least 50% of your bid amount.**

When can I submit a bid?

ELRP bids are submitted via the enrollment form when you sign up.

Can a bid be applied retroactively?

Unfortunately, no. Bids can only be placed for future events.

Are there penalties for not reducing my energy usage during an ELRP event?

No, there are no penalties for submitting a bid and not reducing energy usage. However, incentives are only earned for event participation.

How much will I earn if I participate?

This fact sheet is meant to be an aid to understanding SCE's programs and pricing schedules. It does not replace the CPUC-approved tariffs. Please refer to the individual rate schedule or Demand Response program of interest for complete listing of terms and conditions of service, which can be viewed online at sce.com/regulatory. ©2021 Southern California Edison. All rights reserved.

You will receive bill credits for calculated energy reductions ranging from 50% to 200% of your bid amount. You will receive a bill credit of \$1.00 dollar per kW for each hour of actual usage reduction. **However, you will not receive any credits if usage is not reduced by at least 50% of your bid amount.**

How will my usage reduction be calculated?

Usage reduction is based on the difference between your baseline energy usage and your actual usage during an ELRP event. This is considered your Incremental Load Reduction (ILR).

How is my baseline calculated?

Your 10-Day Customer Specific Energy Baseline (CSEB) is calculated by averaging the usage for the same hour from the last ten (10) calendar days before the Event Day. For this example, an ELRP event occurred on August 14 and began at 5 p.m.

Customer Specific Energy Baseline (CSEB)

Day	Usage for 5-6pm
Day 1 (Aug 13)	5,912
Day 2 (Aug 12)	5,799
Day 3 (Aug 11)	5,801
ELRP Event (Aug 10) – Exclude	3,500
Day 4 (Aug 9)	5,032
Day 5 (Aug 8)	4,995
Day 6 (Aug 7)	5,141
Day 7 (Aug 6)	5,200
Day 8 (Aug 5)	5,102
Day 9 (Aug 4)	5,208
Day 10 (Aug 3)	5,117
Total Usage for same hour	53,307 ÷ 10 =
CSEB	5,331

Under this baseline methodology, the same hour from the 10 calendar days prior to the Event Day is averaged (by service account) to establish the hourly average baseline. The previous 10 days exclude days when an ELRP event occurred. For customers that are dual enrolled in AP-I and ELRP, the previous 10 days will exclude days when an ELRP and/or AP-I event occurred.

What is the Day of Adjustment (DOA)?

The DOA option may help some customers receive greater incentives by adjusting their baseline, if they are able to shift their load/energy usage to the morning of an event and then reduce usage during event hours. If the usage for the morning of the event is higher than the baseline, the credits will be greater with the DOA applied. The DOA value cannot be less than 1.00 or greater than 1.40.

1. To determine the DOA Ratio, begin with calculating the average kWh usage of the first three of the four hours prior to the event hour.

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Event Day kWh Usage

Hours Prior to Event	Hour 1 (1-2pm)	Hour 2 (2-3pm)	Hour 3 (3-4pm)	Hour 4 (4-5pm)	Event Start (5-6pm)
Hourly Usage (kWh)	5,664	5,760	5,472	5,349	2,000
Average of the First Three Hours	5,632			N/A	

Average of hours 1-3 for the Event Day = (5,664 + 5,760 + 5,472)/3 = 5,632 kWh

- Then calculate the average kWh usage for the same three hours over the last ten (10) calendar days.

Previous 10-Day kWh Usage

Day	Hour 1 (kWh)	Hour 2 (kWh)	Hour 3 (kWh)
Event Day	5,664	5,760	5,472
Day 1	5,712	5,808	5,856
Day 2	5,808	5,760	5,808
Day 3	5,568	5,616	5,712
ELRP Event – Exclude	5,512	6,012	5,784
Day 4	5,136	4,896	4,992
Day 5	4,944	5,232	5,184
Day 6	5,136	4,992	4,992
Day 7	4,896	4,944	5,040
Day 8	5,088	5,136	4,896
Day 9	4,992	5,088	5,136
Day 10	4,992	5,184	4,944
Average of the First Three Hours for Previous 10 Days	5,250		

Average of hours 1-3 for the last 10 days = 5,250 kWh

- Divide the average of Hours 1–3 for the Event Day by the average of Hours 1–3 for the last 10 calendar days to calculate the DOA Ratio

$$\frac{5,632}{5,250} = 1.0728$$

- To calculate your Adjusted Customer Specific Energy Baseline (ACSEB), apply the DOA ratio to your CSEB.

$$5,331 \times 1.0728 = 5,719$$

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5. Calculate your bill credit for a bid amount of 1000 kW.

Is the calculated Incremental Load Reduction at least 50% of the 1000 kW bid amount? Yes, it is 3719 kW. 5,719 kWh (ACSEB) – 2,000 kWh (Actual Usage) = 3,719 kWh (Incremental Load Reduction)

Is the calculated Incremental Load Reduction greater than 200% of the 1000kW bid amount? Yes, 2000 kW (200% of Bid) is used to determine Bill Credit.

Bill Credit = 2000 kWh X \$1.00/kWh = \$2,000.00

When will I receive my bill credit?

ELRP credits will be applied to your bill at the end of the year. Performance information about usage reduction will also be available at year end.

Can I participate in other DR Programs?

Dual participation with ELRP is permitted for participants in SCE's Base Interruptible Program (BIP), Agricultural and Pumping Interruptible (AP-I) program. Capacity Bidding Program (CBP) participants may be eligible for dual participation. Please contact your account manager for more details.

BIP customers and BIP Aggregators will not receive any ELRP credits in 2021. Starting in 2022, ELRP credits for BIP will only be paid for load dropped below Firm Service Level for hours when a BIP event and ELRP event overlap. There are no ELRP credits for non-overlapping hours or when there is a BIP event but no ELRP event or an ELRP event but no BIP event.

If you participate in another demand response program, such as AP-I, and more than one demand response program calls events on the same day, you will receive an incentive payment for only one program during any period of overlap in the event hours. Dual enrollment is not permitted for Summer Discount Plan (SDP), Real Time Pricing (RTP) or Critical Peak Pricing (CPP).

Is special metering required?

Yes. SCE approved Interval Metering equipment or a SmartConnect™ meter that can measure energy consumption, must be in operation for at least 10 calendar days prior to participation in order to establish the Customer Specific Energy Baseline.

Can customers use their back-up generator (BUG) for ELRP event once they are on the program?

The ELRP program allows for BUG use, however customers are still required to comply with their local air quality regulations. Some air quality districts do not permit BUG use for Demand Response events.

If you have any questions, please contact us at ELRP@sce.com.