

Time-of-Use Base Interruptible Program



Control your electricity usage and receive monthly credits



For Directly-Enrolled Customers, or SCE/Third-Party Aggregators with Business Operations at or Above 200 kW

- Prompt incentives through monthly bill credits
- Flexible participation options
- Directly-enrolled customers and aggregated groups

The Time-of-Use Base Interruptible Program (Schedule TOU-BIP) is open to Southern California Edison (SCE) customers who have monthly demands (or aggregated demands) that reach or exceed 200 kW.

Customers or aggregated groups who select this program are required to choose a Firm Service Level (FSL) that reflects the amount of electricity the customer determines is necessary to meet their operational requirements during a TOU-BIP event. They must also choose a participation option, which is the amount of time (15 or 30 minutes) the customer requires in order to respond to a TOU-BIP event. Customers must make a commitment to reduce at least 15% of their maximum demand (but no less than 100 kW) during TOU events.

In exchange for participating in TOU-BIP, customers or aggregators receive monthly credits based on the difference between their average peak period demand for each month and their selected FSL. TOU-BIP credits for

each billing period will be applied to the current month's bill.

Excess energy charges (penalties) apply for failure to reduce power to the customer-selected FSL within the selected participation option (15 or 30 minutes).

Some restrictions apply. For example, Essential Use* and Exempt** customers cannot set their FSL to less than 50% of their average maximum demand.

Eligibility

Schedule TOU-BIP is optional to TOU-GS-3, TOU-8 and Real-Time Pricing (RTP-2) customers.

Participation in Other Demand Response Programs

With limitations, customers participating in TOU-BIP may also participate in other demand response programs for additional incentives. For more information, please contact your SCE Account Representative, or visit www.sce.com/drp.

* Customers who provide essential public health, safety and security services.

** Essential Use customers who are normally exempt from rotating outages.

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Aggregation

Customers may enroll directly with SCE, or through an aggregator. Any eligible third party or SCE customer may combine SCE customers' load and make it available for reduction or interruption when called upon by SCE or the California Independent System Operator (CAISO), triggered by SCE. Each aggregated group must assign a designated lead account that has a registered demand of 200 kW or greater. The designated lead account will be the aggregated group's primary contact for TOU-BIP event notification, and the recipient of all TOU-BIP credits applicable to the group.

Each customer enrolled in an aggregated group must take service under the provisions of a TOU rate schedule. The aggregator must sign a TOU-BIP Aggregator Agreement and establish an aggregated group to participate. The monthly maximum aggregated demand for each aggregated group must be 200 kW or greater. The aggregator must select an aggregated Firm Service Level (FSL) with a minimum curtailment of 15% of the aggregated load, or at least 100 kW.

Aggregated groups may be added any time of the year, but changes to a group (or termination of a group) may only be made during the annual adjustment window (November 1 – December 1). Essential Use customers are not eligible to participate in an aggregated group.

Credits and excess energy charges (penalties) will be calculated at the aggregated group level, and SCE will pay credits to and collect any excess energy charges from the aggregator.

The aggregator must establish credit through a credit rating agency, or by paying a deposit.

Customer Obligations

Directly-enrolled customers and aggregators taking service under TOU-BIP must agree to the following conditions:

- **Firm Service Level (FSL):** The customer must establish a FSL, which is the amount of electricity a TOU-BIP customer determines is necessary to meet their operational requirements during a TOU-BIP event. This is also the amount of load that would not be subject to interruption during a TOU-BIP event. TOU-BIP customers are required to reduce their electrical load to their designated FSL within the time frame of their selected participation option.
- **Participation Option (15 or 30 Minutes):** Customers must select an amount of time they need in order to respond to the TOU-BIP event — 15 minutes (Option A) or 30 minutes (Option B) after receiving a notice of interruption.
- **Remote Terminal Units for Notices of Interruption:** TOU-BIP customers must have a working remote terminal unit (RTU) to receive a notice of interruption. The RTU will be provided by SCE.
- **Telephone lines:** TOU-BIP customers must have one dedicated, unlisted telephone line and telephone for the sole purpose of receiving official TOU-BIP event notifications, and may be required to have an additional dedicated phone line for the RTU. The dedicated telephone line must:
 - Not have dial out capability. Because its only purpose is to receive calls from SCE, no other calls should be made to or from this line. **Cellular phones are not acceptable.**

- Be an unlisted telephone number. Only SCE calls from the BIP program should be received on this line.
- Be a direct line. Calls cannot go through a switchboard or voicemail system.
- Be located in an area where it can be answered immediately **at all times**. The customer is responsible for providing the telephone and telephone service.
- **Interval meter:** Customers must have an interval meter capable of recording usage in 15-minute intervals. If the customer does not already have an interval meter, SCE will provide and install one at no charge (certain restrictions apply).

Program Operation

Interruption Frequency and Duration

A TOU-BIP event may occur after SCE receives a request from CAISO to reduce a specific amount of electrical load. SCE will notify its TOU-BIP customers to reduce electrical usage to their FSL within their selected participation option time frame — 15 minutes (Option A) or 30 minutes (Option B) — of receiving the notification, to avoid penalties. TOU-BIP interruption events are limited to:

- No more than one event per day (up to 6 hours), or
- No more than 10 events per calendar month, or 120 hours per calendar year
- CAISO can call for a TOU-BIP event at any time, 24 hours a day, 7 days a week, 365 days a year

Initiation of TOU-BIP events

- Events initiated by CAISO: A TOU-BIP event may be triggered by CAISO at a Stage 2 Emergency. CAISO may also trigger a TOU-BIP event after it has:
 - a. Issued a "Warning Notice" over its Alerts, Warnings and Emergencies (AWE) system;

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- b. Exhausted all other options to prevent further degradation of its operating reserves; and
 - c. Determined that a Stage 1 Emergency is imminent.
- **Events initiated by SCE:** We may trigger a TOU-BIP event:
 - a. Upon the determination of the need to implement load reduction in our service territory;
 - b. For test purposes, program evaluation or system contingencies. Penalties, or "excess energy charges", are applicable when a customer fails to reduce their electrical usage to their FSL during these events.

Credit and Penalties

What are TOU-BIP bill credits?

A TOU-BIP customer will be eligible for a monthly bill credit, even if there are no interruption events. Bill credits vary according to voltage and are applied to the kW difference between each month's average kW demand recorded during each TOU period (on-peak and mid-peak during the summer season, and mid-peak during the winter season), and the customer's designated FSL.

TOU-BIP average demand credits are time and season differentiated. They vary by month, with 80% of the benefits falling in the summer and the remaining 20% in the winter.

Participation Options

Customers can choose from one of two Participation Options for bill credit amounts: Option A (for customers who elect to reduce energy load to their FSL within 15 minutes of notification) and Option B (for customers who elect to reduce energy load to their FSL within 30 minutes of notification).

Bill credit calculation examples:

Directly-Enrolled Customer

Option	Voltage	Summer		Winter
		On-Peak	Mid-Peak	Mid-Peak
A (reduce load within 15 minutes of notification)	Below 2 kV	\$21.11	\$6.45	\$1.32
	2 kV – 50 kV	\$20.74	\$6.12	\$1.28
	Above 50 kV	\$19.56	\$5.56	\$1.13
B (reduce load within 30 minutes of notification)	Below 2 kV	\$19.74	\$6.02	\$1.22
	2 kV – 50 kV	\$19.31	\$5.70	\$1.19
	Above 50 kV	\$18.34	\$5.21	\$1.05

Credit calculation example (for a directly-enrolled customer below 2 kV who selected Option B, and during an event in the on-peak period within a summer month):

- Customer's monthly average peak period demand = 1,000 kW
- Customer's designated FSL = 200 kW
- Credit would be 1,000 kW – 200 kW = 800 kW x \$19.74 = \$15,792 monthly on-peak bill credit

Aggregated Group

Option A, Service Voltage below 2kV, Bundled Customers with Aggregated FSL of 225 kW							
Summer Season On-Peak Period							
	On-Peak kWh	On-Peak Hours*	Monthly Avg. Summer. On-Peak Demand (MASO)	Aggregated Group FSL (kW)	Summer On-Peak Interruptible Load (kW)	Summer On-Peak Credit (SOPC) (kW)	Monthly On-Peak Credit Amount
Customer 1	60,000	106	NA	NA	NA	NA	NA
Customer 2	40,000	106	NA	NA	NA	NA	NA
Customer 3	25,000	53**	NA	NA	NA	NA	NA
Group Total	125,000	106	1,179	225	954	21.11	\$20,144
Summer Season Mid-Peak Period							
	On-Peak kWh	On-Peak Hours*	Monthly Avg. Mid-Peak Demand (MASO)	Aggregated Group FSL (kW)	Summer Mid-Peak Interruptible Load (kW)	Summer Mid-Peak Credit (SMPC) (kW)	Monthly Mid-Peak Credit Amount
Customer 1	50,000	180	NA	NA	NA	NA	NA
Customer 2	30,000	180	NA	NA	NA	NA	NA
Customer 3	20,000	90**	NA	NA	NA	NA	NA
Group Total	100,000	180	556	225	331	6.45	\$2132
Total Credit Amount for Month:							\$22,276

* Group peak hours are the same as for any member in the group, since all are on the same billing cycle.

** Customer 3 has shortened hours because the account closed before the billing cycle ended.

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Are TOU-BIP event hours considered in a TOU-BIP credit?

Yes. A TOU-BIP event that occurs during a peak period (on-peak/mid-peak for summer and mid-peak for winter) would generally mean that a customer's kWh usage would be less than normal during the event, and would therefore result in a lower credit caused by the reduced kWh usage calculated in the average monthly peak period demand.

Penalties associated with TOU-BIP: Penalties, or "excess energy charges," shall be applied each time a customer fails to reduce their electrical usage to their FSL during a TOU-BIP event. TOU-BIP customers or aggregated groups have 15 minutes (Option A) or 30 minutes (Option B) from the time a notification is sent to fully comply with the request to interrupt.

Excess energy calculations:

Excess Energy Calculation Table

Service Voltage	Excess Energy Charge \$/kWh	
	Option A	Option B
Voltages below 2 kV	\$13.90079	\$12.96442
Voltages from 2 kV – 50 kV	\$13.61036	\$12.69398
Voltages above 50 kV	\$13.09434	\$12.21347

Excess energy charge calculation example (for a directly-enrolled customer below 2 kV on Option A) for a two-hour interruption event:

- Customer's kWh consumption above FSL during an interruption = 300 kWh
- Customer's designated FSL = 200 kW
- Consumption FSL = 100 kWh
- Excess energy = 100 kWh x 2 hours = 200 kWh x \$13.90079 = \$2,780.16

Penalty Amounts

The applicable penalties under schedule TOU-BIP are assessed per kWh of excess energy consumed during a TOU-BIP event and vary by voltage.

Penalty Calculation

The total kWh consumption above the customer's FSL during a period of interruption is considered excess energy. The penalty is calculated by multiplying all kWh consumed above the FSL by the appropriate cost per kWh over the entire interruption event, and varies by voltage.

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Contractual Requirements

A separate, signed Contract for Interruptible Service (Contract), designating the customer's FSL and other information, is required for each service account that will take service on TOU-BIP. Customers may enroll in TOU-BIP at any time throughout the year, unless it has been less than 12 months since the customer terminated a prior BIP Contract.

The Contract is available through the customer's SCE account representative. Customers enrolled through an aggregator will not sign the Contract with SCE, but will remain on their Otherwise-Applicable Tariff (OAT). The aggregator will sign an Aggregator Agreement, and identify the service accounts that are part of the aggregated group. TOU-BIP customers or Aggregators may request to opt out, adjust their FSL or change their Participation Option once per year during the annual adjustment window (November 1 to December 1).

During this window, customers may choose to:

1. Make no change to the current rate/program.
2. Change the Participation Option to 15 minutes (Option A) or 30 minutes (Option B) notification time.
3. Change their FSL under the current contract.
4. Opt out of their BIP contract and switch to another optional rate schedule and/or demand response program.

Changes made during the opt-out window become effective on the customer's next scheduled meter read date following verification and eligibility of the request.

Enrolling in TOU-BIP

To sign up for this program, contact your account representative, visit www.sce.com/drp, or call the DRP Helpline at (866) 334-7827.

Direct enrollment and becoming an aggregator: For information on direct enrollment, becoming an aggregator, or joining a third-party aggregator program, contact your SCE Account Representative. You may also call the DRP Helpline at (866) 334-7827 or SCE Customer Service at (800) 990-7788, or visit www.sce.com/drp.

Additional TOU-BIP event information: As a courtesy, SCE provides additional TOU-BIP event status beyond the designated phone notification (in rare cases, when we experience rapid interruptible requests, it may cause a delay to our manual process of posting updated information to our courtesy systems. In these situations, every effort is made to provide this information as quickly as possible).

- TOU-BIP Program Status Telephone Line: (888) 334-7764, toll-free, 24 hours a day, 7 days a week, 365 days a year
- TOU-BIP Web Site: www.sce.com/tou
- E-Mail Notification Service
- Paging Notification Service

Note: TOU-BIP customers **may not** substitute the use of the additional courtesy interruptible program information services listed above as alternative methods of receiving SCE's notice of a TOU-BIP event. These services are provided purely for reference purposes and are **not alternatives to the RTU and the dedicated telephone line**. Failure to respond to SCE's TOU-BIP Notice of Interruption on the dedicated telephone line (which notifies the customer of a TOU-BIP event) could result in penalties for not complying with a notice of interruption, or termination from TOU-BIP, as described in the Schedule TOU-BIP tariff.

Procuring Power From Another Provider

Customers currently procuring power from another provider (third-party provider, or Energy Service Provider [ESP]) will continue to be billed for the non-generation charges through the applicable SCE TOU rate schedule, while their generation cost component will be billed according to the terms and charges agreed upon with their ESP.

For More Information

SCE offers many programs to assist customers in the management of their electricity costs, such as rebates, incentives, energy surveys, and payment options. If you have questions regarding TOU-BIP or any other SCE demand response program, contact your SCE Account Representative. You may also call the DRP Helpline at (866) 334-7827 or SCE Customer Service at (800) 990-7788, or visit www.sce.com/drp.



This fact sheet is meant to be an aid to understanding SCE's pricing schedules. It does not replace the CPUC-approved tariffs. Please refer to the individual rate schedule of interest for a complete listing of terms and conditions of service, which can be viewed online at www.sce.com.

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