

Apply for SGIP with Enphase

Blair Reynolds
Sr. Energy Storage Product Manager

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Seed Questions

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- Can I apply for SGIP rebates if the project has already been installed and/or interconnected?
- Does Enphase qualify for the 20% CA Manufacturer bonus?
- Do I need to stay up until 1AM to be the first in line for submitting my applications?
- Can I reserve a SGIP rebate for one project, and then change the reservation to another project later on?
- Do I need to pay a reservation fee to reserve a SGIP rebate?

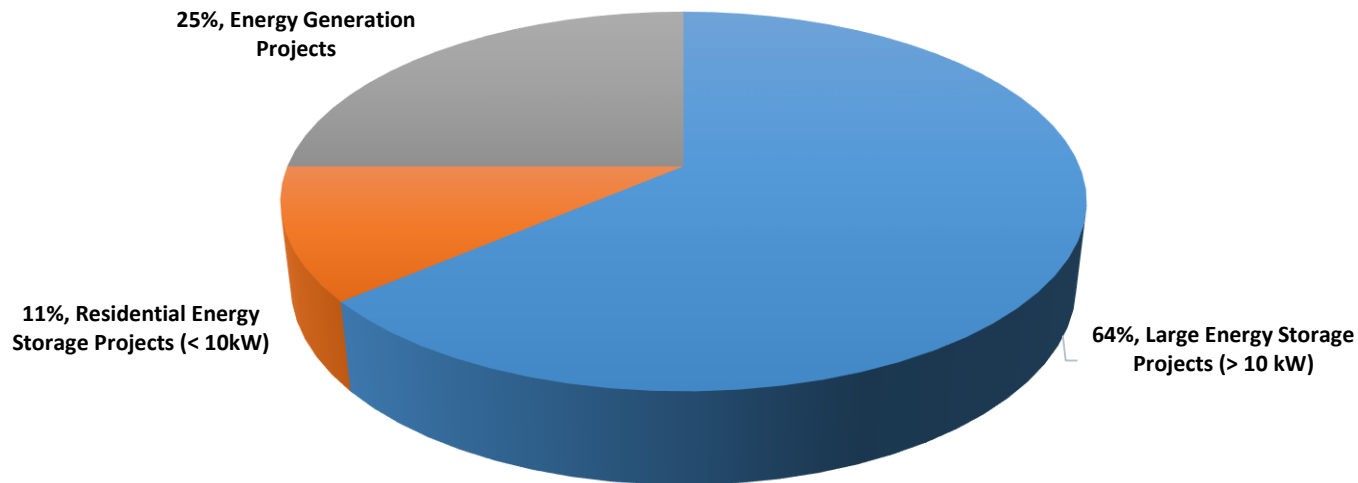
Self Generation Incentive Program Background and Eligibility

Brief Background of CA Self-Generation Incentive Program

- The Self-Generation Incentive Program (SGIP) provides financial incentives for the installation of new qualifying technologies that are installed to meet all or a portion of the electric energy needs of a facility.
- SGIP was created in 2001 (pre CSI) to help encourage deployment of renewable generation technologies, reduce Greenhouse Gas (GHG) emissions, and increase grid reliability.
- Program is ratepayer funded and overseen by the CPUC.
- Authorized administration through 2020
 - Applications accepted until all incentive funds have been fully paid or until December 31, 2020; whichever comes first.



Current SGIP Funding Allocation



Eligible technologies include wind, waste-to-heat power, gas turbines, combined heat and power, advanced energy storage, biogas and fuel cells.

Terminology & Definitions



- **Host Customer**: The utility customer of record at the site where the SGIP system is or will be located.
- **System Owner**: The owner of the SGIP incentivized equipment. Typically this is the Host Customer unless the system is third-party owned.
- **Applicant**: The person or entity that is responsible for completing and submitting the SGIP application and serves as the main point of contact throughout the application process.
- **Payee**: The person or entity company to whom the SGIP incentive check is made payable.
- **Developer**: The corporate entity that:
 - Holds the contract for purchase and installation of the system, and/or
 - Holds an alternative ownership agreement (e.g., PPA) and handles project development activities.

Developer Explanation (continued)

- A Developer includes any combination of affiliated developers and installers under the same majority ownership

- **Only pre-approved Developers are eligible for SGIP incentives:**

- To become pre-approved, entities must submit the Developer Eligibility Application, which requests information on parent company and affiliated developers/installers
- Pre-approved developers receive a “developer key” which needs to be used along with all application submittals

- The Developer and Applicant do not need to be the same entity
- Any single Developer is limited to 20% of the SGIP for a given budget category in each statewide incentive step.

Residential Energy Storage Eligibility



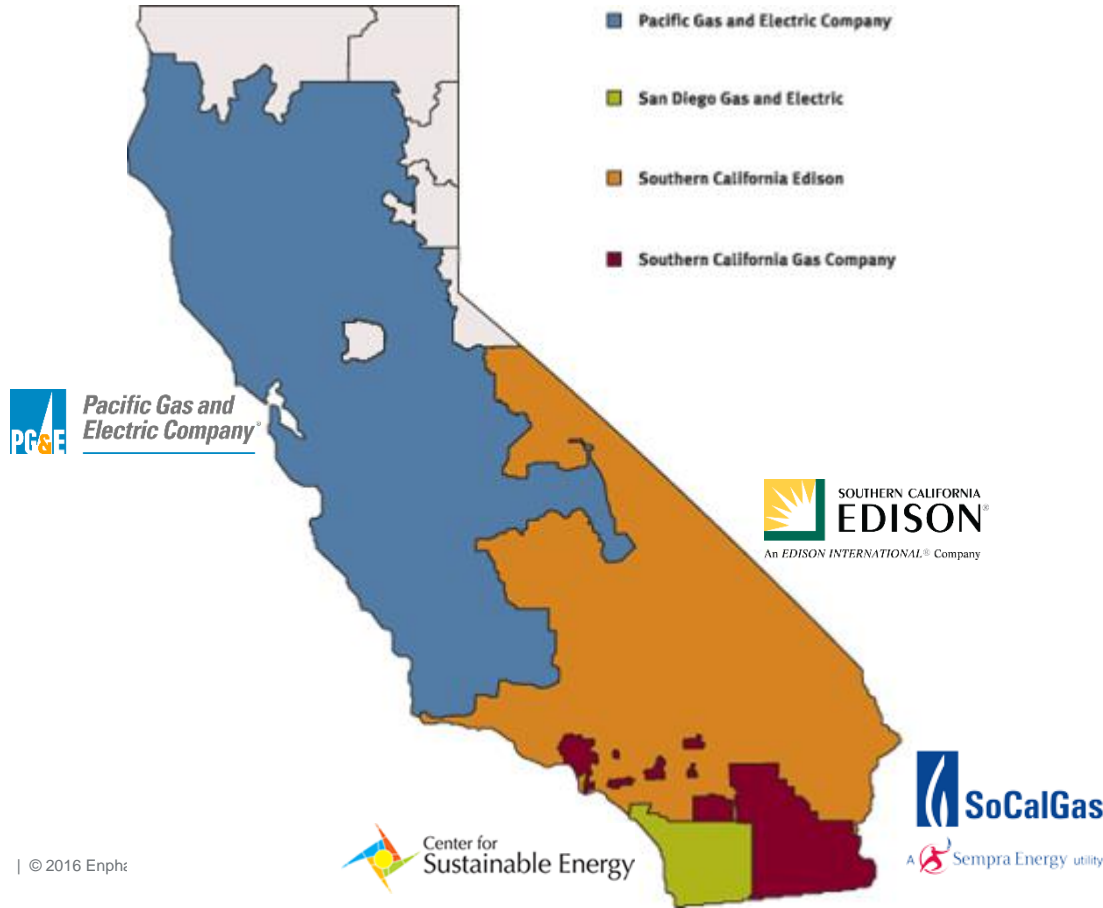
- ✓ • Installation must be permanent
- ✓ • System must be grid-tied and installed behind customer's meter
- ✓ • System must be certified by a Nationally Recognized Testing Laboratory (NRTL)

- The following equipment is not eligible for participation in the SGIP:



- Systems designed to provide solely Backup Power!
- Rebuilt, refurbished or relocated equipment (e.g. second life batteries)
- Equipment that has been interconnected for more than 12 months

SGIP Program Administrators



Center for Sustainable Energy

sgip@energycenter.org

(858) 244-1177

<http://www.energycenter.org/sgip>

Pacific Gas and Electric (PG&E)

selfgen@pge.com

(877) 743-4112

<http://www.pge.com/sgip>

Southern California Edison

SGIPGroup@sce.com

(626) 302-0610

<http://www.sce.com/SGIP>

Southern California Gas Company

selfgeneration@socalgas.com

<https://www.socalgas.com/for-your-business/power-generation/self-generation-incentive>



Sign In

Forgot Username or Password?

Applicant Companies must register in order to submit an application for SGIP incentives.

Applicant Registration

All applications must designate a registered Developer in order to submit an application. Even if the Applicant Company and Developer are the same entity, the Developer must register explicitly through this form.

Developer Registration

Only one account per Applicant Company, but multiple users allowed

Recommended that Developers pre-register before April 1st!

The Self-Generation Incentive Program (SGIP) is currently closed to new applications. At this time, the SGIP is undergoing regulatory modifications and a 2017 program opening date will be announced after modifications are finalized by the California Public Utilities Commission.

Please note, the SGIP Program Administrators (PA) will be hosting an SGIP Quarterly Workshop on March 10, 2017 in San Francisco. The purpose of this workshop is to provide information regarding program opening, regulatory modifications, and to answer stakeholder questions. Event details and agenda will be posted to the service list prior to the workshop.

The 2016 program is currently closed and Program Administrators are not accepting new applications at this time. The budget for the 2017 program will consist of Authorized Collections in addition to Authorized Carryover funds from the previous year. The updated budget will be announced prior to program opening.

2017 Program Opening Key Dates

April 1st
Recommended
Deadline for Developer
Pre-Registration

May 1st
Step 1- Application
Submission Opening
Day

April 10th
Portal Opens for
Developers to Begin
Working on
Applications

20+ Days
Step 2- Application
Submission Opening
Day

Five Incentive Steps for Energy Storage

	Step 1	Step 2	Step 3	Step 4	Step 5
Residential Storage (≤ 10 kW)	\$0.50/Wh	\$0.45/Wh	\$0.40/Wh	\$0.35/Wh	\$0.30/Wh

- For the five storage steps, incentives will decline by \$0.05/Watt-hour (Wh) between each incentive step.
 - In the event that an incentive step becomes fully subscribed across all PA territories within 10 calendar days of the date that incentive step opened, the next incentive step will decline by \$0.10/Wh rather than \$0.05/Wh.

Incentive Calculation

$$\text{Incentive} = \text{Energy Capacity (Wh)} \times \text{Incentive Rate}$$

Incentive Declines Based on Storage Duration

Storage Duration	Incentive Rate (% of Base)	Step 1 Incentive Rate
0-2 hours	100%	\$0.50
Greater than 2 hours to 4 hours	50%	\$0.25
Greater than 4 hours to 6 hours	25%	\$0.125
Greater than 6 hours	0%	\$0

Incentive Calculation

Calculating kWh:

kWh (AC/DC systems): *Nominal Voltage x Amp-Hours x Applicable Efficiency*

- Nominal Voltage in DC
- Amp-hours associated with the duration of discharge specified
- Applicable Efficiency: accounts for conversion efficiency losses (Inverter Efficiency)

Example for Enphase AC Battery:

Nominal Voltage: 25.6 Vdc

Amp-Hours: 48.5 Ah (at 4.3 hour duration)

Inverter Efficiency: 97.0%

$25.6Vdc \times 48.5Ah \times 0.97 = 1,204 \text{ Wh}$ or 1.204 kWh per AC Battery

Incentive Calculation

Calculating kW:

kW (AC/DC systems): $kWh \div \text{Hours Duration}$

- The average power output over the specified duration
- Not necessarily the “nameplate capacity” of the system

Example for Enphase AC Battery:

kWh Capacity (calculated in previous slide): 1.204 kWh or **1,204 Wh**

Hours Duration: 4.3

$1,204 \text{ Wh} \div 4.3 \text{ hrs} = 280 \text{ W}$ or 0.28 kW per AC Battery

Example Step 1- Incentive Calculation

Calculation From Previous Slide:

280 W per AC Battery = **280 Wh per hour**

Hours Duration: 4.3

Incentive = Energy Capacity (Wh) x Incentive Rate

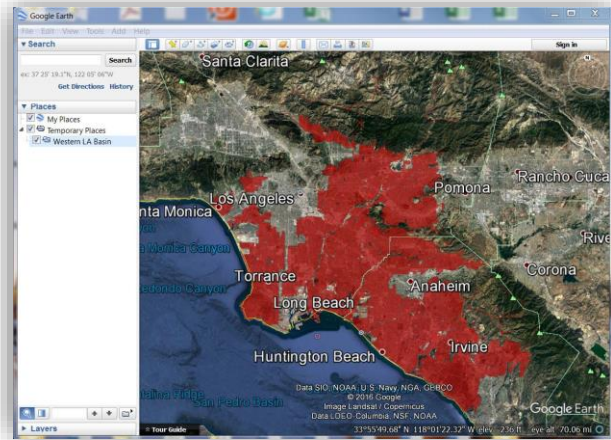
Storage Duration	Energy Capacity per AC Battery	Step 1 Incentive Rate	Incentive Calculation
Hours 0.0 to 2.0	560 Wh	\$0.50	560 Wh x \$0.50 = \$280.00
Hours 2.0 to 4.0	560 Wh	\$0.25	560 Wh x \$0.25 = \$140.00
Hours 4.0 to 4.3	84 Wh	\$0.125	84 Wh x \$0.125 = \$10.50

\$280.00 + \$140.00 + \$10.50 = \$430.50 per AC Battery

Energy Storage Lottery Priority



- Energy storage projects located within the service territory of Los Angeles Department of Water and Power (must also be SoCal Gas customers).
- Energy storage projects located within the West Los Angeles Local Reliability Area of Southern California Edison's service territory.



The West LA Local Reliability Area zip code list and interactive map is available at www.sce.com/sgip.

Field Verification and Audit Requirements

- Upon receipt of a complete Incentive Claim Form package, the Program Administrator will organize a field verification visit to verify that the project's system is installed as represented.
 - Energy storage systems will be tested to validate the discharge energy capacity.
- All SGIP systems require installation of metering devices to measure and record electrical output for Measurement & Evaluation purposes.
- For projects under 30kW, the PA or the PA's independent third-party consultant may install meters to collect Measurement & Evaluation data at the Program's expense.

Documents Required for Application

- **Reservation Request Form (RRF)** ← Filled out online
- **Enphase AC Battery Data Sheet**
- **UL 9540 Certificate of Compliance**
- **Rebate Reservation Fee**
 - 5% Reservation Fee is due upfront but only becomes non-refundable once conditional reservation is issued.
- **Proof of Utility Service**
 - All applications must include a copy of a recent electric utility bill indicating the account number, meter number, Site address, and Host Customer name.
 - **SDG&E + SoCalGas** applications must include previous 12-months of electric bills.
 - **PG&E + SoCalGas** customers must also submit recent gas bill.
- **Authorization to Receive Customer Information form:** SDG&E applicants only

Lottery Process



- The lottery is only triggered when funds are oversubscribed on a single day (otherwise, it is still first-come, first-served)
- If the lottery is triggered:
 - First, applications are grouped by priority (**#1** West LA/LADWP; **#2** All Others)
 - Next, applications are randomized within each priority group
 - Applications which can be fully funded with remaining budget are conditionally accepted
 - The last application is a “straddler”
 - PA will contact straddler to offer the partial incentive
 - If straddler rejects the offer, the funds rollover to the next step
 - Remaining applications are rejected and must reapply for next step after 20+ day pause period ends
 - Only Reservation Request Form needs to be updated for resubmittal

Pro Tips

- Pre-register as Developer before April 1st
- Use electronic signatures on contracts (accepted by all PA's except for SoCal Gas)
 - Helps expedite signing and re-signing if application is deferred to later incentive step
- Scan image of check application fee and submit along with rebate reservation application
 - Mail check within 7 days of project being assigned to a given step
- Use SGIP Energy Storage Incentive calculation worksheet and upload along with application (not required but recommended); **see example next slide**

SGIP Incentive Calculator Spreadsheet

Energy Storage Calculator Example for Scenario Analysis

Updated: April 2017

Inputs:

Enter all gray fields below

Notes:

Incentive Step		1
Incentive Rate (\$/Wh)	\$0.50 / Wh in Step 1	
System Rated Capacity (kW)	0.28 kW per AC Battery	
Hours Duration (hours)	4.3 hours	
Battery Energy Storage Capacity (kWh)	1.204 kWh per AC Battery	
Avg. Wh Discharge Per Hour	280.00	
Is CA Manufacturer?	FALSE	
Other Onsite SGIP Storage Energy Capacity (Wh)		
Total Eligible Project Cost	\$ -	
Investment Tax Credit (ITC)	\$ -	
Other IOU Incentive	\$ -	
Other Non-IOU Incentive	\$ -	
Non-Ratepayer Incentive	\$ -	

1 See public Program Metrics to identify the current incentive step

See public Program Metrics to identify the current incentive rate

Enter "TRUE" if your equipment is manufactured by an SGIP-approved California manufacturer or "FALSE" if not.
If Hours Discharge is unknown, assume a 2-hour discharge rate

https://www.selfgenca.com/documents/calculator/calculator_models

Q & A

Contact Info

Blair Reynolds
Sr. Energy Storage Product Manager
breynolds@enphase.com
Cell: (360) 836-2625

