



SELF-GENERATION
INCENTIVE PROGRAM

SGIP 3rd Quarterly Workshop of 2026

September 25, 2026





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Welcome and Introductions

Laura Diaz, SoCalGas



Introduction



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PROGRAM ADMINISTRATORS

SCE:

- Rafeek Yacoub
- Timothy Krebs
- Lauren Neff

SoCalGas:

- Julio Robles
- Laura Diaz
- Adrian Martinez
- Ashley Pezikian
- Jan Santos

PG&E:

- Ron Moreno
- Tiffanie Gulley

CSE:

- Dema Tzamaras
- Jess Hilton
- Lupe Knox

LADWP:

- Christian Kroupa
- Narek Abcarian
- Stephanie Macoritto
- Eric Escamilla
- Kyle Krikorian

Introduction (continued)



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AESC (Technical)

- Dara Salour
- Stephanie Raya

Energy Division (CPUC)

- Gabriel Petlin
- Valentino Tiangco

WattTime (GHG Signal Provider)

- Henry Richardson



Agenda



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- 9:05 **Welcome, Introductions** (*Laura Diaz, SoCalGas*)
- 9:10 **Teams Meeting Information and Safety Message** (*Laura Diaz, SoCalGas*)
- 9:15 **Program Metrics** (*Timothy Krebs, SCE*)
- 9:30 **User Resources for Metrics** (*Lupe Knox, CSE*)
- 9:40 **Regulatory Update** (*Stephanie Macoritto, LADWP*)
- 9:50 **PBI Payment Structure Overview** (*Ron Moreno, PG&E*)
- 9:55 **GHG Signal Overview** (*Henry Richardson, WattTime*)
- 10:15 **General Q&A** (*Adrian Martinez, SoCalGas*)
- 11:00 **Conclude 3rd Quarter SGIP Workshop**





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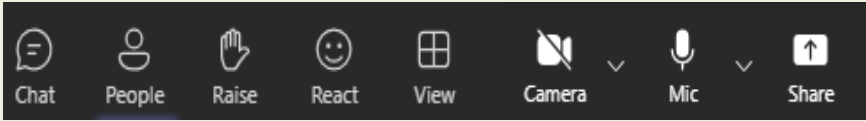
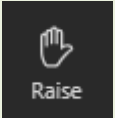
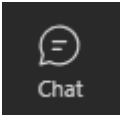
Teams Meeting Information

Laura Diaz, SoCalGas



Teams Meeting



Function	Teams Icon
Controls	 A horizontal bar containing icons for Chat, People, Raise, React, View, Camera, Mic, and Share.
Mute – <i>Remain muted unless called on</i>	 A microphone icon with a slash through it and a dropdown arrow, labeled "Mic".
Raise Your Hand – <i>Wait until you are confirmed to speak on the chat or host</i>	 A hand icon with the palm facing up, labeled "Raise".
Type Your Question or Comment	 A speech bubble icon with an equals sign inside, labeled "Chat".



Safety Message



Phishing Attempts by Artificial Intelligence

Stay Safe with Three Simple Tips

1. Recognize

A common sign used to be poor grammar or misspellings although in the era of artificial intelligence (AI) some emails will now have perfect grammar and spelling. Another common sign is a creating a “sense of urgency” by using urgent or emotionally appealing language.

2. Resist

If you suspect phishing, resist the temptation to click on links or attachments that seem too good to be true and may be trying to access your personal information.

3. Delete

Delete the message. Don’t reply or click on any attachment or link, including any “unsubscribe” link. **Just delete.**

**Tips from Cyber & Infrastructure Security Agency: cisa.gov/secure-our-world/recognize-and-report-phishing*





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Program Metrics

Timothy Krebs, SCE



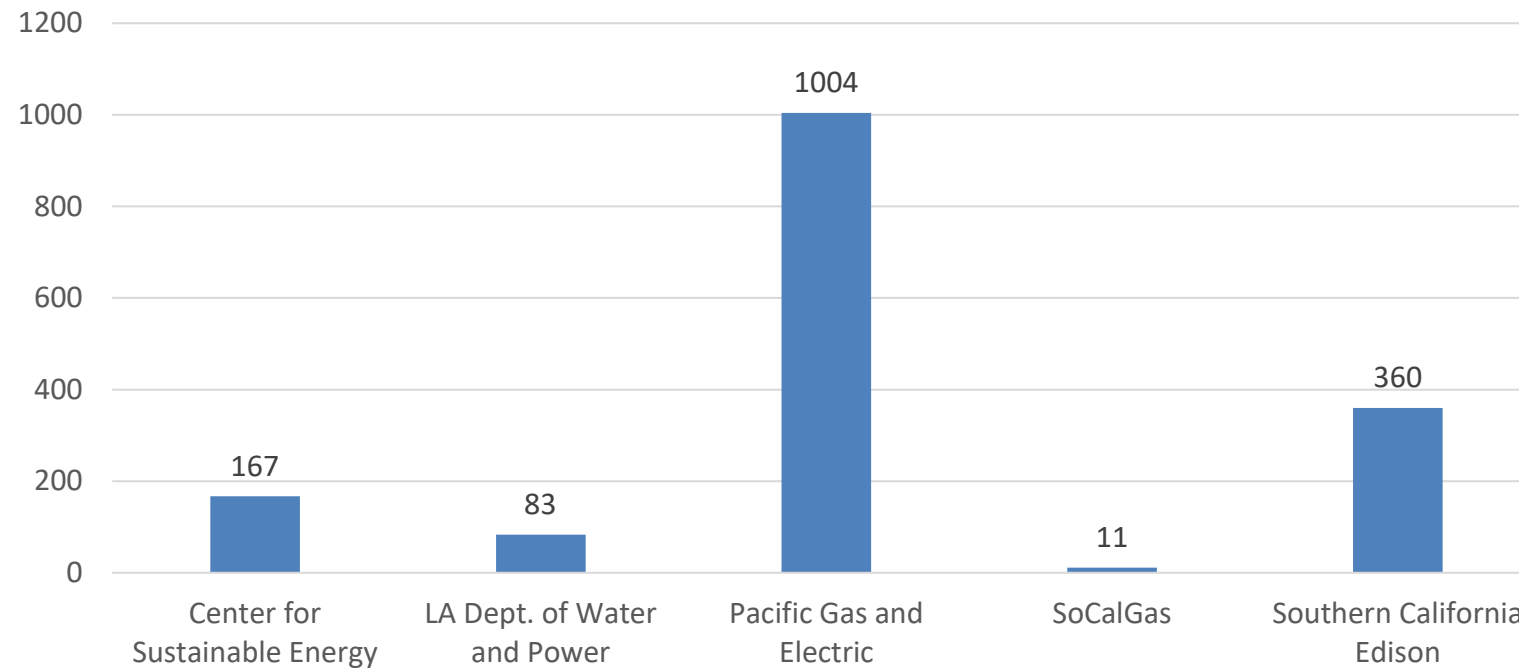
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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2026 Total Applications Submitted by Program Administrator



Does not include cancellations and waitlist projects

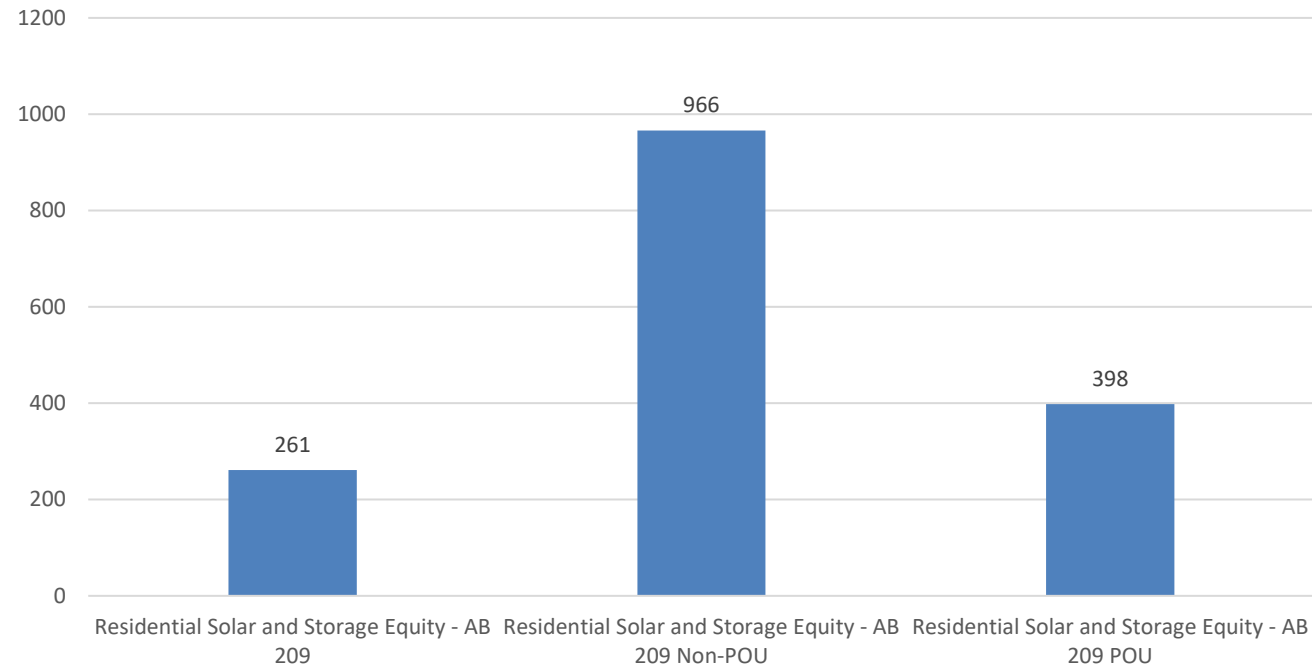
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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2026 Applications by Budget Category



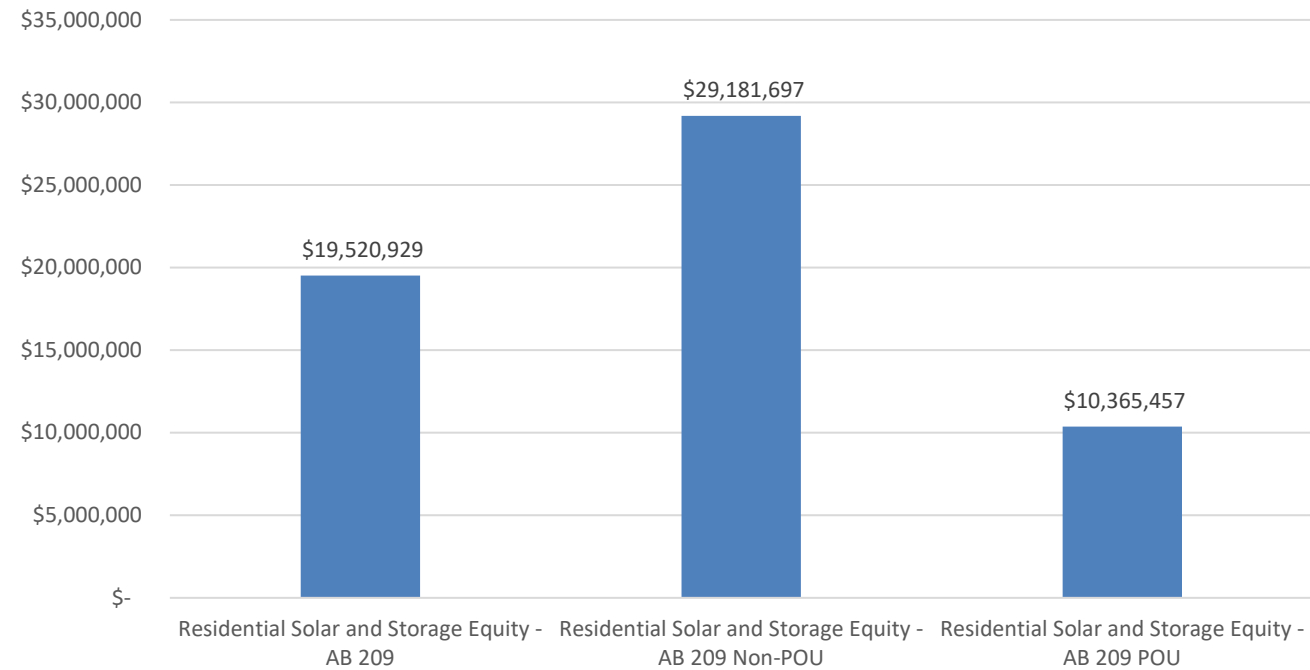
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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2026 Incentive Dollars by Budget Category



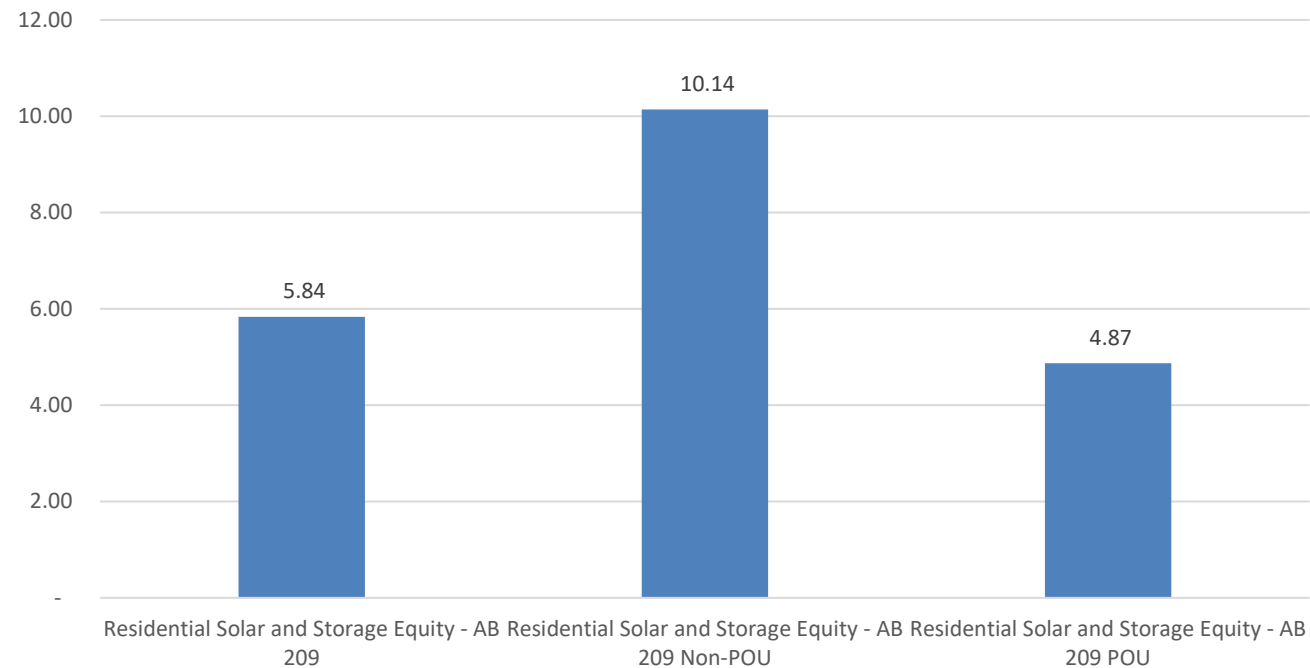
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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2026 Rated Capacity (MW) by Budget Category



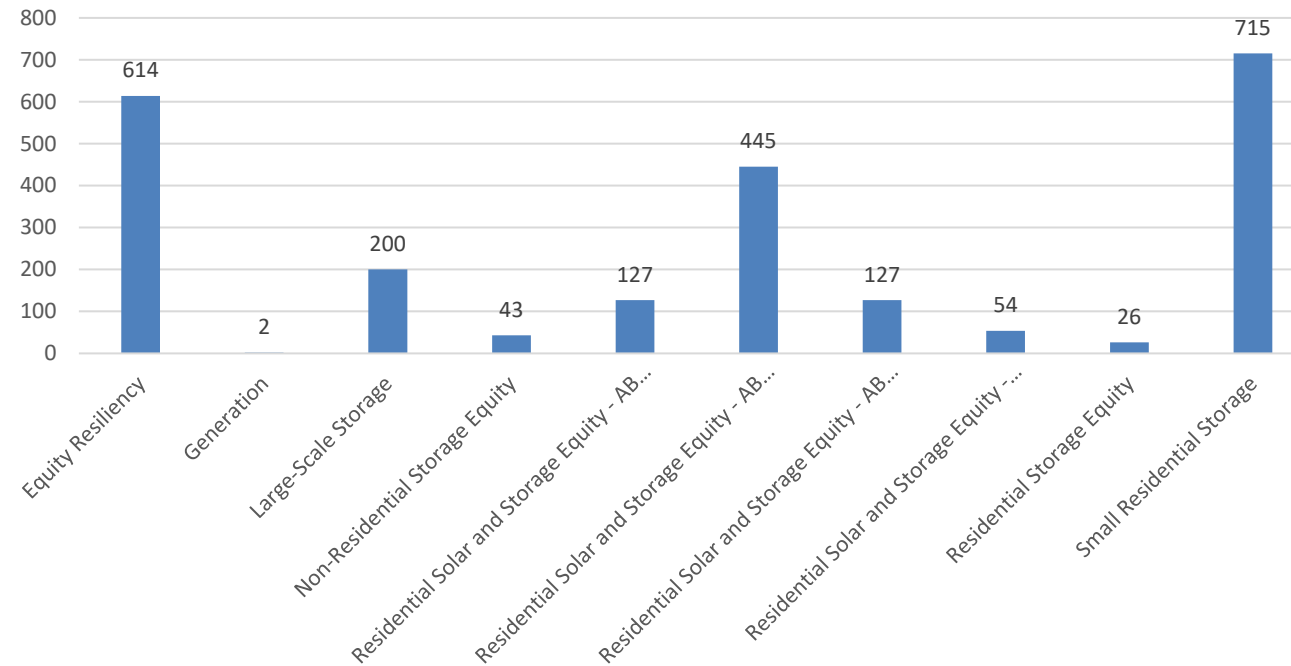
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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2026 Cancellations by Budget Category



Program Metrics

Data Jan 1, 2026 – September 11, 2026



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Budget Categories' Availability	CSE	SCE	SCG	PG&E	LADWP
Residential Solar and Storage Equity - AB 209	Waitlist		Waitlist		Waitlist
Residential Solar and Storage Equity - AB 209 POU		Open 1,000,000.00		Open 8,184,050.52	
Residential Solar and Storage Equity - AB 209 Non-POU		Waitlist		Waitlist	



Does not include cancellations and waitlist projects

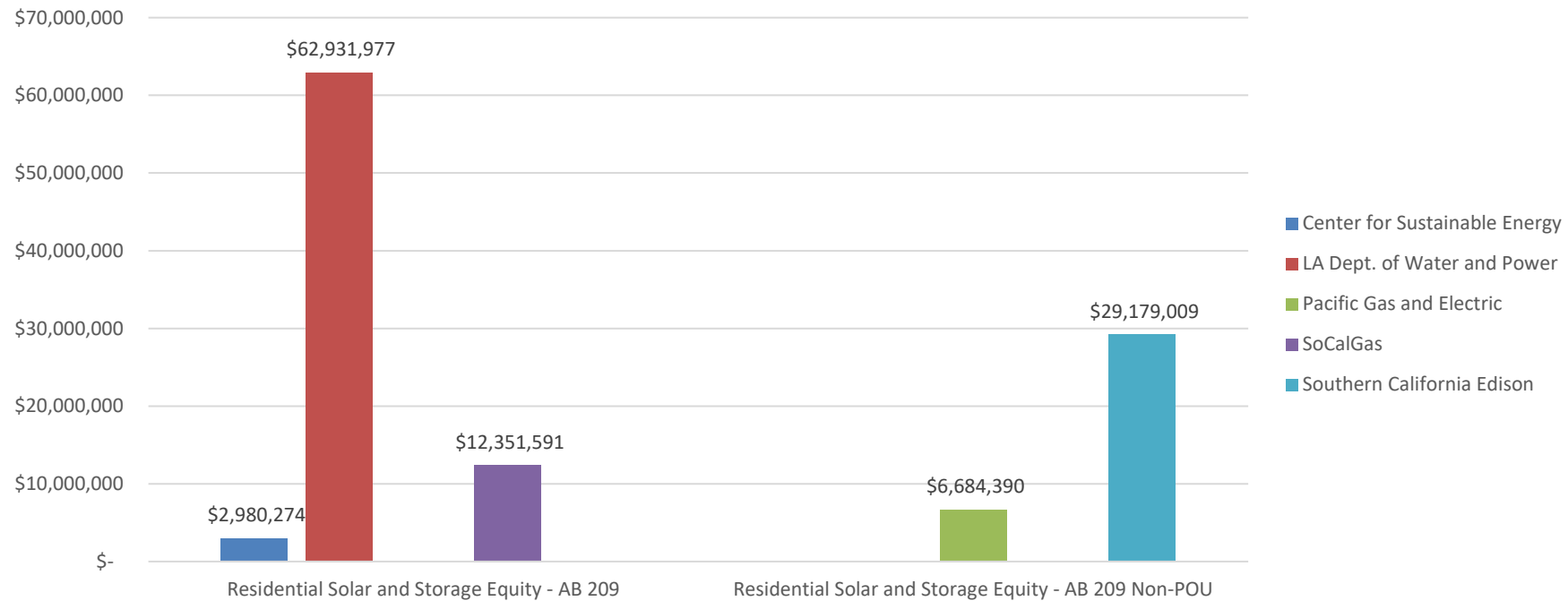
Program Metrics

Data Jan 1, 2026 – September 11, 2026



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Waitlist Dollars: Non-POU vs. POU



Program Metrics

Data Jan 1, 2026 – September 11, 2026



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RSSE Application Progress (Excluding Waitlisted Applications)

Budget Category	Total Received	In Progress	Reserved	Paid	Cancelled
AB 209	1,415	173	883	109	250
AB 209 Non-POU	5,722	932	3,367	483	940
AB 209 POU	884	171	516	36	161
Grand Total	8,021	1,276	4,766	628	1,351



Does not include cancellations and waitlist projects



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User Resources for Metrics

Lupe Knox, CSE



User Resources



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Reports

Self-Generation Incentive Program

[Log in](#)

[Statewide Announcements](#)[Forms and Documents](#)[Program Metrics](#)[Waitlists](#)[Frequently Asked Questions](#)[Contact](#)

Resources

**Reports**

Statewide Project Report

- [Weekly Statewide Report](#)
- [Real-Time Public Report](#)
- [Monthly PBI Performance Report](#)
- [Field Descriptions for Monthly PBI Performance Report](#)
- [SGIP Application Review Time Report](#)
- [Non-Residential Equity Lottery Waitlist Report](#)

Program Level Budget Summary

- [2017-2019 Budgets](#)
- [Statewide Current Program Level Budget Summary](#)
- [PG&E Current Program Level Budget Summary](#)
- [SCE Current Program Level Budget Summary](#)
- [SoCalGas Current Program Level Budget Summary](#)
- [CSE Current Program Level Budget Summary](#)

2001-2016 Budget Summary

- [Statewide Weekly 2001-2016 Budget Summary](#)
- [PG&E Weekly 2001-2016 Budget Summary](#)
- [SCE Weekly 2001-2016 Budget Summary](#)
- [SoCalGas Weekly 2001-2016 Budget Summary](#)
- [CSE Weekly 2001-2016 Budget Summary](#)



User Resources



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Forms and Documents

Self-Generation Incentive Program [Log in](#)

[Statewide Announcements](#) **[Forms and Documents](#)** [Program Metrics](#) [Waitlists](#) [Frequently Asked Questions](#) [Contact](#)

Resources

[Field Inspection Protocols](#)

- [Energy Storage Field Inspection Protocol](#)
- [Field Inspection Sampling Protocol](#)

[SGIP Workshop Material](#)

- [2026 2nd Quarterly Workshop](#)
- [2026 1st Quarterly Workshop](#)
- [2025 4th Quarterly Workshop](#)
- [2025 3rd Quarterly Workshop](#)
- [2025 2nd Quarterly Workshop](#)
- [2025 1st Quarterly Workshop](#)



User Resources



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Waitlists

Self-Generation Incentive Program						Log in
	Statewide Announcements	Forms and Documents	Program Metrics	Waitlists	Frequently Asked Questions	Contact
Waitlists						
	CSE	SCE	SCG	PG&E	LADWP	
Large-Scale Storage						
Small Residential Storage						
Residential Solar and Storage Equity - Ratepayer						
Residential Solar and Storage Equity - AB 209		Waitlist	Waitlist	Waitlist		
Residential Solar and Storage Equity - AB 209 POU						
Residential Solar and Storage Equity - AB 209 Non-POU		Waitlist	Waitlist			
Non-Residential Storage Equity						
Equity Resiliency						
San Joaquin Valley Residential						
San Joaquin Valley Non-Residential						
Generation						



User Resources



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FAQs

Self-Generation Incentive Program

Log in

Statewide Announcements

Forms and Documents

Program Metrics

Waitlists

Frequently Asked Questions

Contact

Frequently Asked Questions

Most of the questions we receive at SGIP Support are answered in the following video. The Database Walkthrough is a one-hour video walking through the full feature set, common mistakes, and frequently asked questions.

Don't have time to watch? Download our [Training Documentation](#).

Additional SGIP FAQ questions and answers can be found here: [SGIP FAQ](#).

Database Walk-through

RSSE Application Walk-through

Green Button Data PV Overlay Tool

[GBD PV Overlay Tool](#)

Energy Storage Sizing Tool

[Energy Storage Sizing Tool](#)

[Energy Storage Sizing Tool Slides](#)



User Resources



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Questions?



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Regulatory Update

Stephanie Macoritto, LADWP



Regulatory Update



Assigned Commissioner Ruling Directing PAs of the SGIP to Deem Complete Project Cost Information with a Signed Attestation Effective July 10, 2026

- This ruling directs SGIP PAs to permit developers to provide the cost documentation that they currently have under the cost categories for TEPC along with a signed attestation that they've provided all required cost documentation and that the information is compliant with the most recent version of the SGIP Handbook and prior Commission rulings.
- Developers may sign this documentation with a handwritten signature or an electronic signature.
- TEPC documentation accompanied by a signed attestation from the developer shall be deemed complete by the receiving PA without further review by the receiving PA.
- PAs that have already received cost documentation from developers for a SGIP RSSE project shall deem it complete once a signed attestation form is submitted by the developer.

Regulatory Update



CPUC Closes SGIP Rulemaking and Grants Limited Waiver for Certain SCE Customers **California Public Utilities Commission (CPUC) Decision — September 17, 2026**

What the CPUC decided

- Closed the Self-Generation Incentive Program (SGIP) rulemaking, R.20-05-012
- Granted Southern California Edison (SCE) a limited waiver from the Qualified Demand Response Program (QDRP) enrollment requirement
- The waiver applies to certain Medical Baseline Exemption (MB-E) customers whose SGIP projects faced expiration due to QDRP non-compliance
- Eligible affected SGIP projects may continue processing

Regulatory Update



Why the Waiver Matters

- MB-E customers rely on electrically powered medical equipment and need stored energy to remain available for medical needs
- The CPUC found that requiring these customers to participate in a QDRP could affect the availability of stored energy for that equipment
- SCE estimated approximately \$1.7 million in reserved SGIP incentives were at risk for affected customers

What Happens Next

- R.20-05-012 is closed
- Remaining Residential Solar and Storage Equity (RSSE) implementation and closeout matters will be handled through the SGIP Handbook, working groups, and existing administrative processes
- RSSE program activities continue through the previously established 2028 closeout period

Regulatory Update



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Questions?



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PBI Payment Structure Overview

Ron Moreno, PG&E



How the PBI Is Calculated



50% of the incentive is paid upon project completion and verification. The remaining 50% is paid as a Performance-Based Incentive (PBI).

$\$/kWh = \text{remaining 50\% of incentive} \div \text{total anticipated kWh discharge/offset}$

STANDARD PBI PERIOD

5 years

Projects entering PBI Payment status on or before December 30, 2025.

Total anticipated kWh discharge/offset = energy capacity (kWh) × 104 full discharges × 5 years

REDUCED PBI PERIOD

2 years

Non-residential projects entering PBI in Payment status after December 30, 2025.

Total anticipated kWh discharge/offset = energy capacity (kWh) × 104 full discharges × 2 years

Reduced PBI period pursuant to CPUC Decision D.25-12-003.



PBI Performance and Penalties



- Overperformance accelerates payments — but PBI data must still be uploaded to the application for the full period.
- Underperformance can be made up during subsequent year(s).

GHG PERFORMANCE PENALTY

5 kg CO₂ / kWh

- Required annual GHG reduction per rebated energy capacity (kWh).
- Shortfalls reduce the PBI payment by \$1 per kg CO₂ above the threshold, capped at 100% of the annual payment.
- Deductions are permanently forfeited and returned to the SGIP budget.

EXCEEDANCE CAP — GENERATION

25% maximum

- An annual PBI payment may exceed the expected amount by no more than 25%.
- Total PBI for any project will never exceed the amount reserved.





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GHG Signal Overview

Henry Richardson, WattTime



SGIP GHG SIGNAL OVERVIEW

September 2026



Signal Background

Increased GHGs & GHG Technical Working Group (TWG)

To address concerns with SGIP energy storage projects continuing to show *increased* GHG emissions (shown in Impact Evaluation reports), Commissioner Rechtschaffen issued an ACR in 2017 establishing the GHG TWG to develop signal and new operational requirements for SGIP energy storage systems to comply with the SGIP goal of reducing GHG emissions. New verification and enforcement mechanisms were also created to ensure compliance of these new rules.

“During 2016, non-residential SGIP Advanced Energy Storage projects increased GHG emissions by 726 metric tons of CO₂.*”

ACR: <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M202/K276/202276301.PDF>

*SGIP Program Annual Evaluation 2016: <https://www.cpuc.ca.gov/-/media/cpuc-website/files/legacyfiles/2/6442454964-2016-sgip-advanced-energy-storage-evaluation.pdf>

Signal Background

D.19-08-001 GHG Reduction Requirements for Energy Storage

As a result of the findings from the GHG TWG,* D.19-08-001 directed PAs to develop and provide a digitally accessible GHG signal that provides marginal GHG emissions factors in units of kilograms carbon dioxide per kilowatt hour (kgCO₂/kWh) to ensure SGIP energy storage projects reduce GHGs.

D.19-08-001: <https://docs.cpuc.ca.gov/PublishedDocs/Published/G000/M310/K260/310260347.PDF>

*Working Group Report: <https://docs.cpuc.ca.gov/PublishedDocs/Efile/G000/M226/K778/226778150.PDF>

Adoption of D.19-08-001

Revised Program Requirements (Effective August 9, 2019)

- 50/50 Incentive: 50% upfront, 50% after proven emissions performance over 5 years
- New Projects
 - Commercial Projects: 5kg/kWh emissions reduction threshold
 - Residential Projects: deemed compliance pathways based on acceptable TOU rates
- Legacy Projects: maintain current compliance or opt into new rules
- Digitally accessible GHG Signal for optimization and validation
- Variety of forecasts available for operational planning
- Preliminary signal available within 120 days and final signal available within 240 days of Commission decision

GHG Signal & Forecasts

Compliance Signal:

- A publicly available signal in API format of marginal GHG emissions
- Signal based on Avoided Cost Calculator
- Marginal emissions reported in kg CO₂/kWh for every five minutes
- For CAISO and non-CAISO regions

Forecasts for operation planning:

- 15-minute (updated every 15 minutes)
- One-hour ahead (with five-minute granularity and updated every 15 minutes)
- 72 hour-ahead (updated hourly)
- Month-ahead (updated daily)
- Year-ahead (updated monthly)

How the Compliance Signal is Calculated

Compliance Signal

- The signal is calculated using the same open source heat rate-based methodology as in the most recent SGIP impact evaluation report, but with updated parameters and data sources more suitable for real-time use.
- This signal provides the marginal emissions per kWh calculated based on a natural gas-fired power plant producing energy at a price equaling the real-time (five-minute) CAISO Locational Marginal Price with costs equal to the most recent publicly available data on gas prices, CO2 prices, and variable operating costs constrained by reasonable minimum efficiencies.
- When the calculated heat rate is zero or below, it is assumed that the marginal generator is renewable, and thus the marginal emissions rate is zero.

Calculation Methodology Summary

Based on the ACC and SGIP AES Impact Evaluation

$$\text{HeatRate}[t] = (\text{MP}[t] - \text{VOM}) / (\text{GasPrice} + \text{EF} * \text{CO}_2\text{Cost})$$

Where:

- MP is the real-time market price (from market)
- VOM is the variable O&M cost for a natural gas plant (from ACC)
- GasPrice is the cost of natural gas delivered to a generators (including delivery adder, from ACC)
- EF is the emissions factor of natural gas (from ACC, standard)
- CO2Cost is the cap and trade cost of CO2 (from market)

Emissions rates bounds:

- Heat rate low efficiency plant: 12,500
- Heat rate high efficiency plants: 0

https://www.cpuc.ca.gov/uploadedFiles/CPUC_Public_Website/Content/Utilities_and_Industries/Energy/Energy_Programs/Demand_Side_Management/Customer_Gen_and_Storage/SGIP%20Advanced%20Energy%20Storage%20Impact%20Evaluation.pdf [A-11 (1184)]

<https://www.cpuc.ca.gov/general.aspx?id=5267>

SGIP GHG Signal Website

California Self-Generation Incentive Program

Greenhouse Gas Signal

HOME

API DOCUMENTATION

GRID REGIONS

DOWNLOAD DATA

CONTACT

ABOUT SGIP GHG SIGNAL

This website provides access to real-time and forecasted marginal Greenhouse Gas (GHG) emissions data for participants in the Self Generation Incentive Program (SGIP).

Further details about SGIP itself can be found on the [SGIP website](#). The SGIP program is implementing new GHG requirements, which are explained in the [SGIP Handbook](#). This website provides data which will assist energy storage developers, operators, and others in implementing those rules.



GHG SIGNAL DATA

The real-time marginal GHG emissions signal is the compliance signal which will be used for SGIP project evaluation.

- API Documentation
- Grid region identification
- ‘Click to download’ csv files of historical signal data

<http://sgipsignal.com/>

Website revisions forthcoming!

Data Provided via SGIP GHG Signal API

API Features

- RESTful API
- Only available through HTTPS
- API tokens are used in the Authorization HTTP header.
- Data delivered every 5 minutes, 24/7/365 on emissions intensities
- JSON response output
- API documentation can be accessed at: <http://sgipsignal.com/>

Self-Generation Incentive Program
Greenhouse Gas Signal

Download
API Blueprint

INTRODUCTION

REFERENCE

Authentication
Grid Information
Technical Support

SGIP GHG SIGNAL API

INTRODUCTION

About this website

This website provides access to real-time and forecasted marginal Greenhouse Gas (GHG) emissions data for participants in the Self Generation Incentive Program (SGIP).

Further details about SGIP itself can be found at the SGIP website.

Switch to Console

Switch between example and interactive console for customized API calls.

No action selected

You can try selecting 'Create new user account' from the left column.

Learn more about using the documentation.

California Self-Generation Incentive Program

WattTime™

<http://sgipsignal.com/>

Regions – California Balancing Authorities



Region

CAISO San Diego Gas & Electric DLAP
 CAISO Pacific Gas & Electric DLAP
 CAISO Southern California Edison DLAP
 Los Angeles Department of Water & Power
 BANC Sacramento Municipal Utility District
 Balancing Authority of Northern California
 Imperial Irrigation District
 PacifiCorp West
 NV Energy
 Turlock Irrigation District
 Western Area Lower Colorado

Abbreviation

SGIP_CAISO_SDGE
 SGIP_CAISO_PGE
 SGIP_CAISO_SCE
 SGIP_LADWP
 SGIP_BANC_SMUD
 SGIP_BANC_P2
 SGIP_IID
 SGIP_PACW
 SGIP_NVENERGY
 SGIP_TID
 SGIP_WALC

Thank You

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Q & A

(Open now for all topics)





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Thank You



SGIP PA Contacts



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CSE

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LADWP

sgip@ladwp.com





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Appendix



Q&A Feedback Summary



Housekeeping Items

- Remove safety messages moving forward to allocate more time for program discussions.
- In lieu of published recordings, industry requests follow up summaries (including questions and feedback) or annotations where PII information can be redacted before publication.
- Requests for PBI Penalty Calculation Examples - PG&E to provide additional workshop slides.



Q&A Feedback Summary



Extensions

- Requests additional extensions on APP projects - to be discussed by the SGIP Working Group.
- Suggests that instead of having a case-by-case extension request process for RSSE projects, PAs grant automatic extensions of up to 1 additional year on top of the 3 allowable six-month extensions to acknowledge the 4-5 months of delay caused by the TEPC rulings. Delays in interconnection and permitting as well. Acknowledged that there may also be delays caused by developers (i.e., application corrections, lack of requirements) but mainly did not foresee TEPC document requirements that got tact on and the uncertainty that the rulings had caused.
 - The SGIP PAs are unable to file an Advice Letter that would allow all RSSE projects an additional one-year extension as the extension requests available to SGIP projects is directed via a CPUC Decision. A Petition for Modification would have to be filed requesting additional extensions to the Reservation Expiration Date. PAs cited the following Decisions:
 - Decision 25-12-003 [589959535.PDF](#) (Section 4.2.2)
 - Decision 15-06-002 [152735341.PDF](#)



Q&A Feedback Summary



Inspections

- Long turnaround times specifically in getting inspection reports back to the PAs to be communicated to the applicant.
- Difficulty of coordination - inspectors require developers to be present during inspections.
- Concerns regarding inspectors using developer equipment during inspections. Issues of liability.
- Utilize virtual inspections more than in-person inspections.

