# Self-Generation Incentive Program (SGIP)

# Quarterly Workshop

***Friday, June 22nd 2018***
***PG&E's Pacific Energy Center, San Francisco, CA***

***Hosted by Pacific Gas & Electric Company (PG&E), SoCalGas, Southern California Edison (SCE), and Center for Sustainable Energy (CSE)***




# Safety & Housekeeping

## Safety

- CPR Trained?
- Earthquake – duck and cover
- AED
- Emergency Exits

## Housekeeping

- Bathrooms
- Garbage, recycling
- Beverages

# Introductions

**SoCalGas:** Rosie Magana, Mike Yee, Adrian Martinez

**CSE:** Rebecca Feuerlicht, Matt Meyer, Joe Bick

**SCE:** Jim Stevenson, Vicky Velazquez

**PG&E:** Brian Bishop, Ron Moreno, Stephanie Yang

**AESC:** Dara Salour, Ron Ishii

**Energy Solutions:** Andrea Vas

**Energy Division:** Mary Claire Evans

# Agenda

- Welcome and Introductions
- Safety and Housekeeping
- Program Adoption Data
- GHG Signal WG Proposal
- Itron Program Recommendations from PA Evaluation
- Developer Eligibility
- Equity Budget
- Energy Solutions Topics
- Application Best Practices
- Stakeholder Questions

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

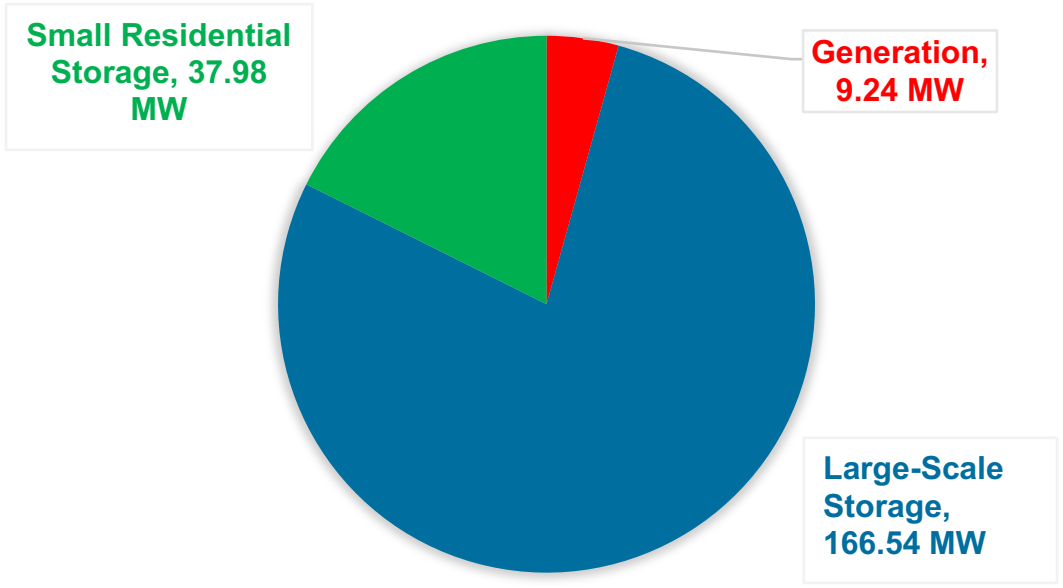
Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

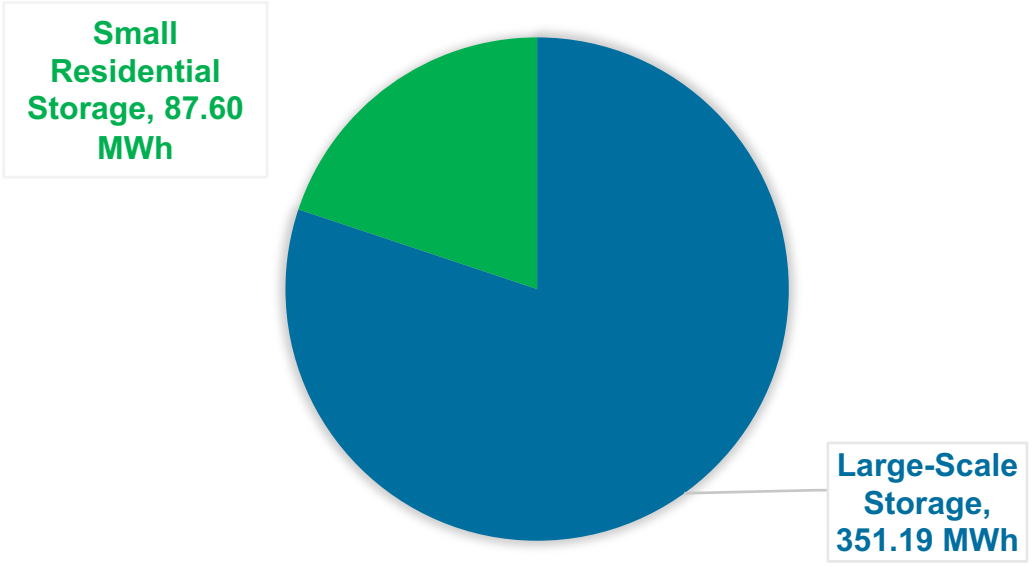
Center for Sustainable Energy

# Program Adoption Data: 2017 & 2018 Application Capacity

## CAPACITY IN MEGAWATTS: 213.77 MW




## ENERGY STORAGE CAPACITY: 438.79 MWH




SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

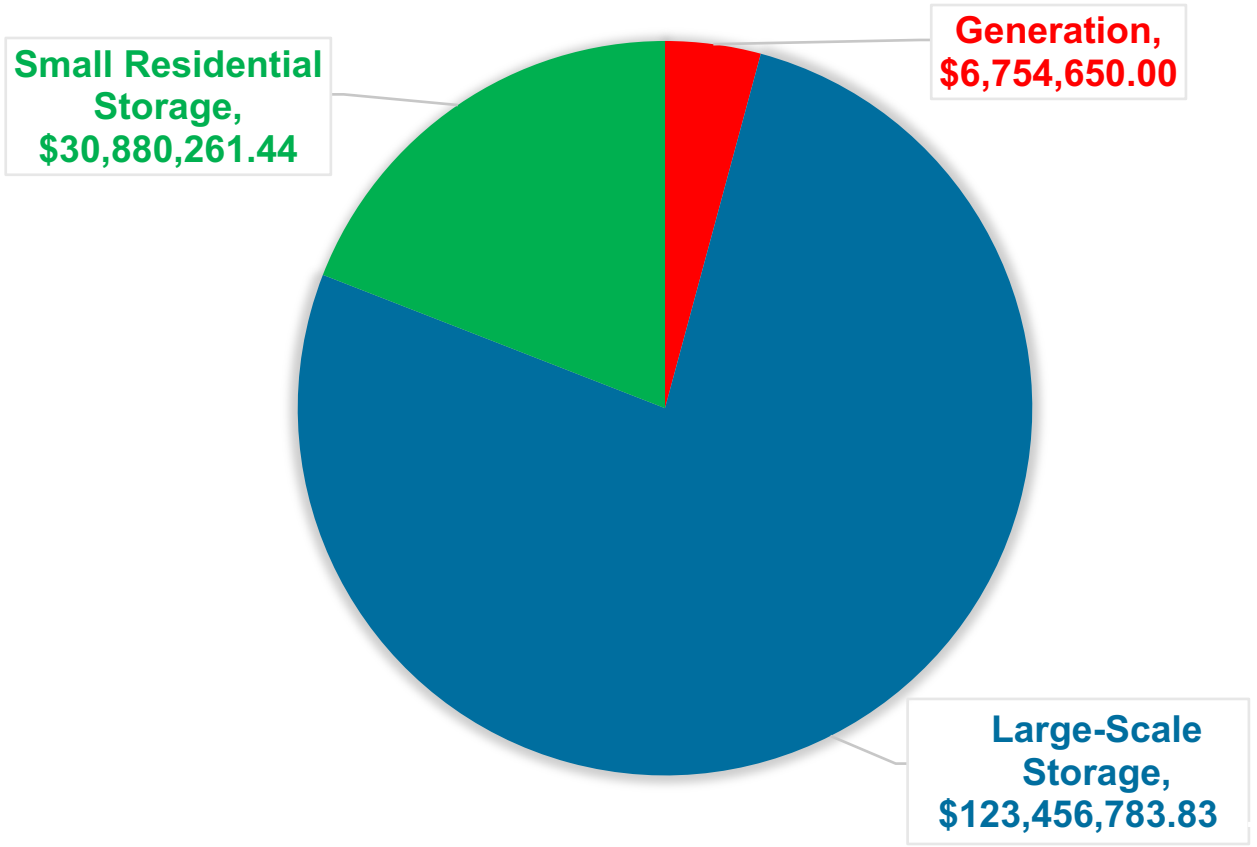
PG&E Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

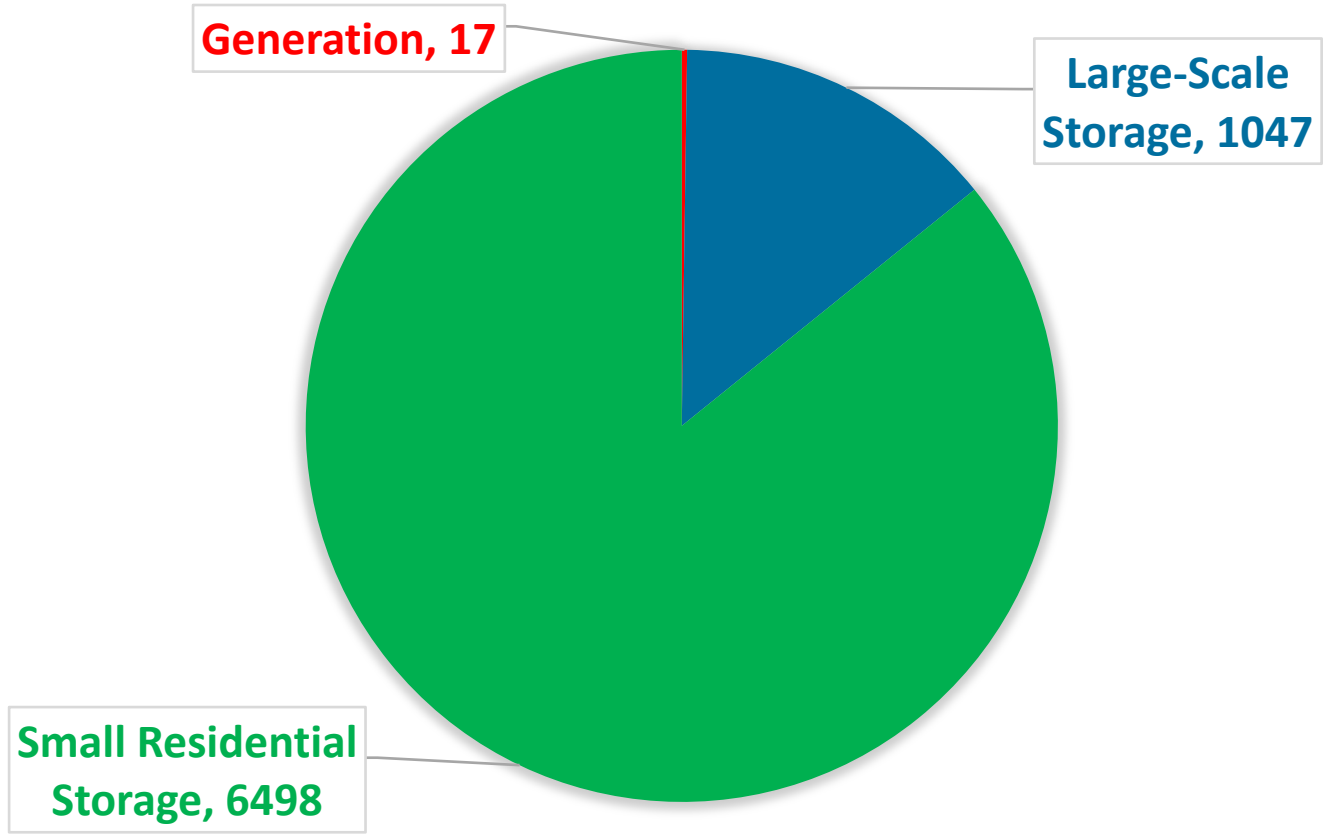
# Program Adoption Data: 2017 & 2018 SGIP Incentives

## TOTAL 2017 & 2018 INCENTIVES: $161,091,695.27



# Program Adoption Data: 2017 & 2018 Application Volume

## APPLICATIONS RECEIVED SINCE 2017 SGIP OPENING: 7562



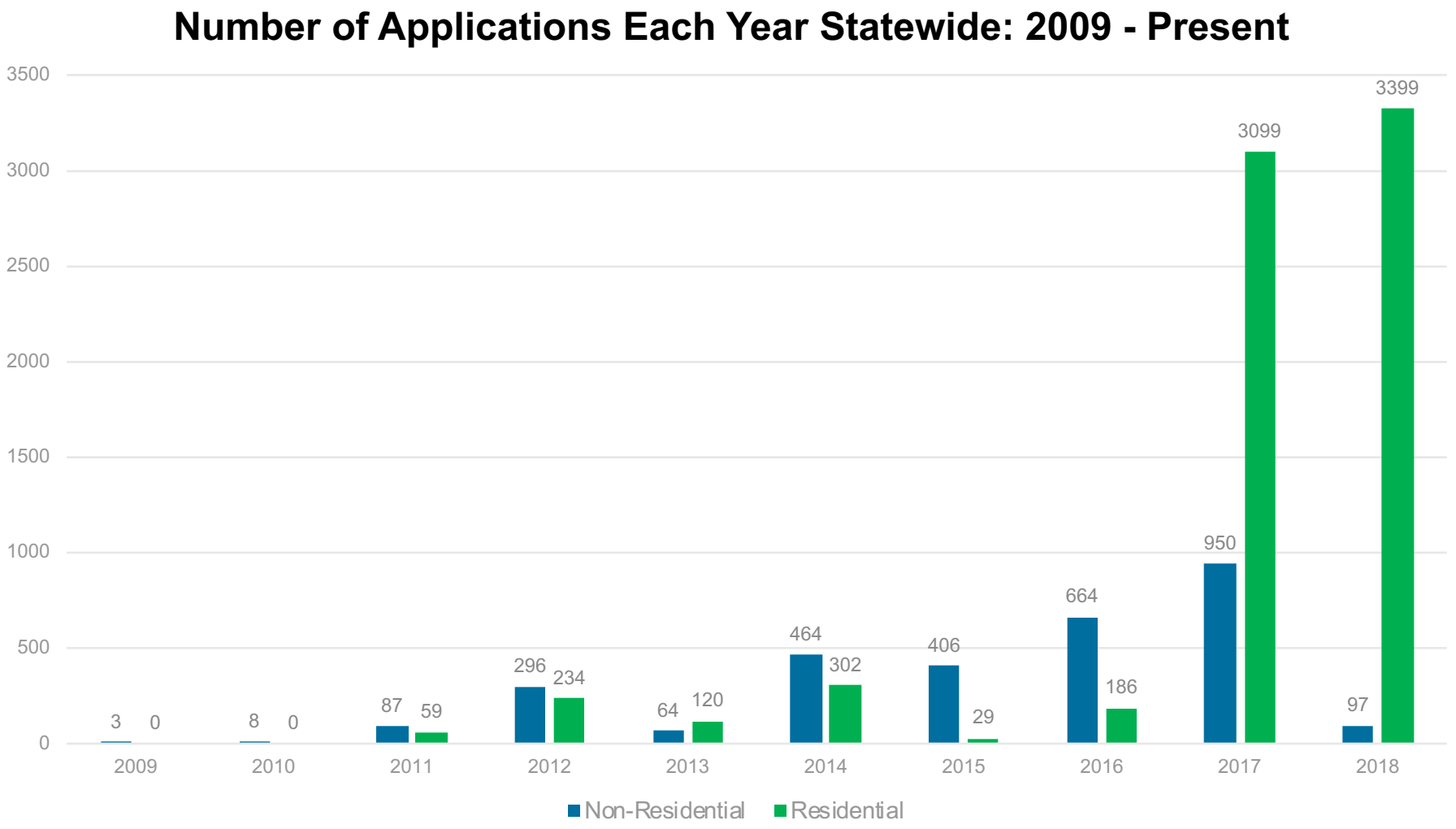

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# Program Adoption Data: Annual Application Volume




SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

PG&E Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# Incentive Step Timelines: Small Residential Energy Storage

## CSE


| CSE | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 1 | 5/1/2017 | 171 |
| Step 2 | 6/5/2017 | 39 | 7/14/2017 | 380 |
| Step 3 | 1/11/2018 | 2 | 1/12/2018 | 420 |
| Step 4 | 2/26/2018 | 1 | 2/26/2018 | 485 |
| Step 5 | 4/24/2018 | 58 | Waitlist | 585 |
| | | | Total # | 2041 |

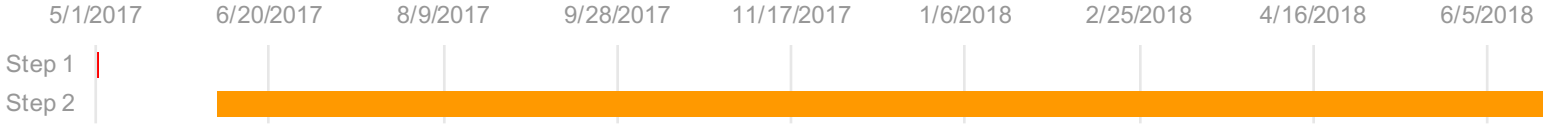
## Edison


| Edison | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 2 | 5/2/2017 | 329 |
| Step 2 | 6/5/2017 | 302 | 4/3/2018 | 1007 |
| Step 3 | 5/7/2018 | 45 | Open | 510 |
| | | | Total # | 1846 |

## PG&E


| PG&E | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 5 | 5/5/2017 | 423 |
| Step 2 | 6/5/2017 | 322 | 4/13/2018 | 1210 |
| Step 3 | 5/14/2018 | 38 | Open | 595 |
| | | | Total # | 2228 |

## SoCalGas




| SoCalGas | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 1 | 5/1/2017 | 99 |
| Step 2 | 6/5/2017 | 381 | Open | 284 |
| | | | Total # | 383 |

# Incentive Step Timelines : Large-Scale Energy Storage

## CSE


| CSE | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 1 | 5/1/2017 | 45 |
| Step 2 | 6/5/2017 | 338 | 5/9/2018 | 177 |
| Step 3 | 6/11/2018 | 10 | Open | 1 |
| | | | Total # | 223 |

## Edison


| Edison | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 1 | 5/1/2017 | 66 |
| Step 2 | 6/5/2017 | 51 | 7/25/2017 | 271 |
| Step 3 | 1/11/2018 | 161 | Open | 26 |
| | | | Total # | 363 |

## PG&E


| PG&E | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 1 | 5/1/2017 | 68 |
| Step 2 | 6/5/2017 | 381 | Open | 308 |
| | | | Total # | 376 |

## SoCalGas


| SoCalGas | Start Date | Days Open | End Date | # of Apps |
|---|---|---|---|---|
| Step 1 | 5/1/2017 | 4 | 5/4/2017 | 37 |
| Step 2 | 6/5/2017 | 240 | 1/30/2018 | 48 |
| Step 3 | 3/5/2018 | 108 | Open | 0 |
| | | | Total # | 85 |

# Current Step and Available Funds

## Small Residential Storage Budget as of 6/21/2018

| | CSE | SCE | SoCalGas | PG&E |
|---|---|---|---|---|
| Step Status | Waitlist | Open | Open | Open |
| Active Step | 5 | 3 | 2 | 3 |
| Days in Step | 58 | 45 | 381 | 38 |
| Allocated Funds | $1,038,273.71 | $2,175,162.52 | $1,519,958.07 | $2,751,889.56 |
| Available Funds | $986.54* | $1,377,137.84 | $53,184.35 | $2,075,035.69 |

https://www.selfgenca.com/home/program_metrics/

SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company

PG&E Pacific Gas and Electric Company

SoCalGas A Sempra Energy utility

Center for Sustainable Energy

# Current Step and Available Funds

## Large-Scale Storage Budget as of 6/21/2018

| | CSE | SCE | SoCalGas | PG&E |
|---|---|---|---|---|
| Step Status | Open | Open | Open | Open |
| Active Step | 3 | 3 | 3 | 2 |
| Days in Step | 10 | 161 | 108 | 381 |
| Allocated Funds | $11,600.00 | $4,027,448.25 | $0 | $34,212,348.92 |
| Available Funds | $13,148,704.83 | $36,958,194.12 | $7,711,883.83 | $16,270,684.21 |

https://www.selfgenca.com/home/program_metrics/

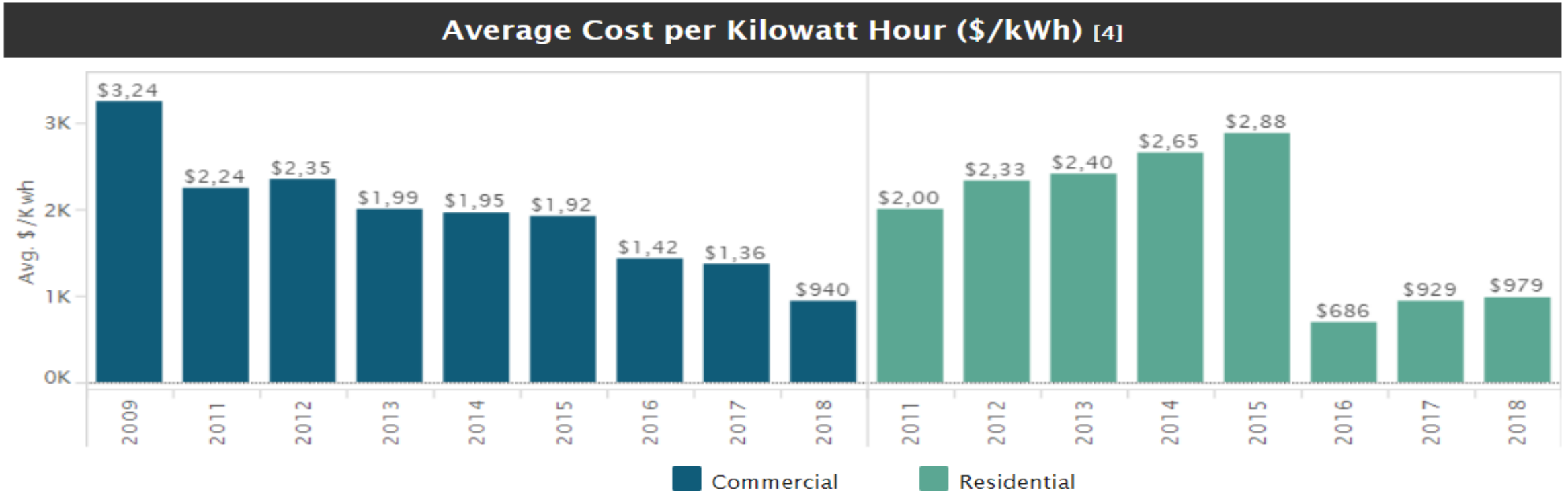
SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# SGIP Goal: Market transformation for distributed energy resource (DER) technologies




- More SGIP stats, interactive data, and charts can be found at: https://energycenter.org/sgip/statistics

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# SGIP Greenhouse Gas Signal Working Group

On December 29, 2017, the CPUC issues a ruling to form a Working Group to develop a proposal for a GHG signal for systems participating in SGIP to ensure projects reduce GHGs. The goals were:

- Develop a proposal for a GHG signal
- Develop operational requirements for SGIP energy storage systems based on the GHG emissions of the electric grid.
- Develop a verification mechanism to ensure GHG tracking and close monitoring of system performance.
- Consider an enforcement mechanism to be used in the event that a system's operation results in net GHG emissions on an annual basis.

CR6/sf3 12/29/2017

FILED
12/29/17
09:47 AM

**BEFORE THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA**

Order Instituting Rulemaking Regarding Policies, Procedures and Rules for the California Solar Initiative, the Self-Generation Incentive Program and Other Distributed Generation Issues.

Rulemaking 12-11-005

**ASSIGNED COMMISSIONER'S RULING (1) ESTABLISHING AN ENERGY STORAGE GREENHOUSE GAS SIGNAL WORKING GROUP (2) ENTERING A SUMMARY OF THE NOVEMBER 15, 2017 ENERGY STORAGE WORKSHOP INTO THE RECORD**

This ruling establishes a working group to develop recommended changes to the Self-Generation Incentive Program (SGIP) to improve greenhouse gas (GHG) emission reductions from energy storage systems. In addition, this ruling enters a summary of the Energy Division staff workshop held on November 15, 2017 into the record. This ruling does not affect any existing SGIP rules and does not address any petitions for modification filed in this proceeding.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# SGIP Greenhouse Gas Signal Working Group

**2016 Energy Storage Report Findings Which Triggered CPUC Order:**

- Storage dispatch behavior led to an increase in GHG emissions for 176 of 181 non-PBI projects and 66 of 78 PBI projects.
- Capacity factor was low: 2.3% for non-PBI; 8.1% for PBI. Goal: 10%
- RTE was low: 44% for non-PBI; 74% for PBI. SGIP Goal: 69.6% 1st year.
- Inefficiency: AES increases energy consumption relative to baseline; parasitic losses can be significant as systems are currently used.
- PBI have a clear signature. Summer discharge 3pm-8pm. Winter discharge later hours. Non-PBI charge across all hours.
- Residential projects are mainly performing backup duty, and data acquisition is hard.

**2017 Storage Report is expected to yield similar findings and will include better Resi data**

SOUTHERN CALIFORNIA EDISON® An EDISON INTERNATIONAL® Company

PG&E Pacific Gas and Electric Company®

SoCalGas A Sempra Energy utility

Center for Sustainable Energy®

# SGIP Greenhouse Gas Signal Working Group

## Working Group Meetings and Objectives

### Weekly and Biweekly meetings were held until June 2018

- Early goals included determining project scope, questions, group priorities
- Group decided to perform modeling, not set up pilots, as this would best accomplish goals.
- Very diverse stakeholders: storage developers, manufacturers, ORA, Energy Division, IOUs, environmental groups, non-profits.

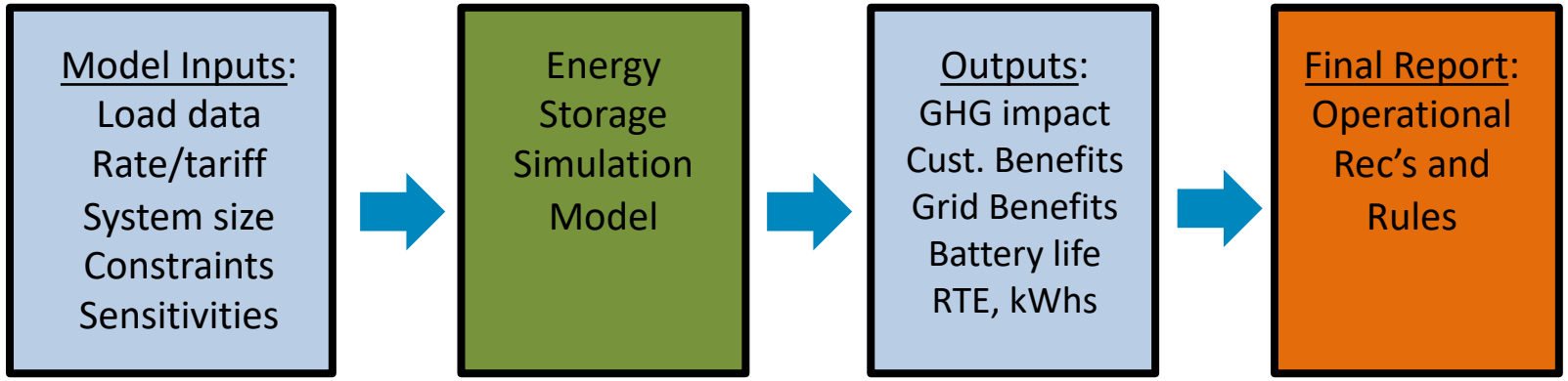
→*Group decided on a work plan quickly, efficiently!*

### AESC appointed Project Manager

- AESC organized meetings and structured agendas with support from PG&E.
- PG&E was ordered to host the meetings.
- AESC tasked with setting up NDAs with 6 modelers, running analysis and writing the Final Report. Modelers: Enernoc, Tesla, AMS, Stem, CPS, Avalon.
- ALL PARTIES tasked with contributing, editing, providing ideas and comments.

# SGIP Greenhouse Gas Signal Working Group

**Working Group Modeling Process:** model potential solutions to determine which scenarios were most promising. Model results would inform team recommendations for program reform.




- GHG Signal Working Group organized modeling efforts quickly but modeling took a very long time. First time such a diverse group modeled this data?
- Model runs were executed 2/12 through mid-March. Tweaks through April.
- End of May and early June 2018; report-writing
- Final Report Submitted June 15th, 2018

SOUTHERN CALIFORNIA EDISON An EDISON INTERNATIONAL Company
PG&E Pacific Gas and Electric Company
SoCalGas A Sempra Energy utility
Center for Sustainable Energy

# SGIP Greenhouse Gas Signal Working Group

## GHG Signal Working Group Key Takeaways

**Residential storage systems under *old rates*:**

- When paired w/ solar, combination of GHG signal and higher SCRTE 85% guarantees reductions.
- Without solar, highly unlikely to reduce GHGs.

**Residential storage systems under *new rates*:**

- When paired w/ solar, with or w/o GHG signal and SCRTE of 85%, almost always reduce GHGs.
- Without solar, with GHG signal, almost always reduce GHGs but SCRTE 85% is very important.

**Commercial storage systems under *old rates*:**

- When paired, receiving GHG signal w/ 85% SCRTE, achieved GHG reduction 82% of time. Without GHG signal, reduced GHGs only 24% of time regardless of SCRTE.
- Without solar, appears highly unlikely to reduce GHGs.

**Commercial storage systems under *new rates*:**

- With solar, receiving GHG signal, reduce GHGs 85% of the time and 100% of time w/ SCRTE 85%. If not using GHG signal but high SCRTE, reduce GHGs 86% of time.
- Without solar, using GHG signal, unlikely to reduce GHGs even w/ high SCRTE (only 44% of time).

# 2017 SGIP Program Administrator Evaluation

- The SGIP measurement and evaluation plan calls for “an annual review of the administrative performance of each PA.
- The reports are to include, at minimum, “a survey of program participants regarding the PAs’ clarity and timeliness of oral and written communications, their accessibility, their helpfulness to applicants submitting and processing applications, and the clarity and helpfulness of their websites”.
- Itron was hired to conduct an evaluation based on feedback from SGIP host customers and applicants from PY 2017. Itron’s recommendations for improvement are described herein.
- The “*2017 SGIP Program Administrator Performance Evaluation Report*” was filed to the service list June 20, 2018.

SOUTHERN CALIFORNIA EDISON® An EDISON INTERNATIONAL® Company

PG&E Pacific Gas and Electric Company®

SoCalGas A Sempra Energy utility

Center for Sustainable Energy®

# Itron Program Recommendations - Timeliness

- **Lower the threshold for host customer signatures when changes are made to the application.**
  - Applicants commented that *"if there's a small clerical issue*," such as a new email address or other minor application detail, customers should not need to sign-off. By lowering the threshold for required signatures, repeated back-and-forth communications between the applicant and host customer can be reduced and the overall application timeline shortened.

- **Consider simplifying steps and requirements for small residential storage projects.**
  - Applicants and host customers expressed the desire for a more simplified application process for small residential storage projects. The California Solar Initiative (CSI) general market program is an example of a similar rebate program with a more streamlined application procedure.
- **Other?**

# Itron Program Recommendations - Accessibility

- **Create a customer-facing section of the SGIP portal that shows project status and includes simplified information regarding project procedures and timelines.**
  - A few host customers and applicants suggested creating more transparency by "*show[ing] end customers the SGIP process flow and a dashboard of where they stand in the process*." A dedicated space within the SGIP application portal for customers would allow each customer to check on the status of their application directly, without having to rely on their applicant for that information.
- **Communicate expected timelines and important program information directly to host customers at the outset of each application.**
  - When an application is submitted, initial email communications to the host customer should include an estimate of when the host customer would receive the upfront incentive and, if applicable, begin PBI payments. Communicating this information directly to the host customer at the outset of the application ensures customers understand the program process and helps maintain reasonable expectations of program timelines.
- **Other?**

# Itron Program Recommendations - Helpfulness

- **Require developers to complete training materials on SGIP processes and requirements as a prerequisite for addition to the approved developer list.**
  - An approved developer could be required to complete training and/or have managed a minimum number of applications in the prior program year.

- **Continue to provide more examples, videos, and other training to clarify documentation expectations associated with application and document submittal on the statewide portal.**
  - Applicants noted that it can be difficult to know precisely how project documentation is to be filled out and most applicants had at least one application flagged by the PA for missing information. PAs should continue to develop new guidance and training materials. PAs should continue to identify opportunities for documentation templates to provide to applicants such as the PMP template.
- **Other?**

# SGIP Developer Eligibility




# DEVELOPER ELIGIBILITY

## *SGIP Handbook Section 3.2.7*

## *Developer Cap*

***Any single Developer is limited to 20% of the SGIP incentive funding for a given budget category in each statewide incentive step.*** The Developer cap will be calculated separately for generation projects, large scale energy storage projects, small residential energy storage projects, and equity budget projects. Applicants may not submit applications for Developers in excess of the statewide Developer cap for the active step, and ***Program Administrators shall not issue conditional reservations to projects by a Developer that has already applied for reservations in a given step that exceed 20%.*** The Developer cap will be established by budget step and posted prior to program opening. The Developer cap will remain fixed for each budget step once the step is opened even if total available funds change. Please see Section 4.1.5 for the definition of a Developer.

- Funding is limited
- Established to prevent any one entity to monopolize the incentives.

# DEVELOPER ELIGIBILITY

## Exclusive list of an SGIP energy storage project's development activities

***1.*** Approaching or communicating with the host customer about the project and learning about its needs and energy profile (i.e., customer acquisition or developing leads)
***2.*** Developing the specifications for a system based on the customer's needs and interests
***3.*** Soliciting bids from multiple manufacturers for the specified system
***4.*** Gaining the customer's commitment to purchase or lease the specified system, usually but not necessarily by signing a purchase order with a customer or other form of agreement
***5.*** Purchasing the specified system from the manufacturer to fulfill the obligation to provide a system to the customer
***6.*** Securing permits for the system on behalf of the customer
***7.*** Securing interconnection permission for the system on behalf of the customer
***8.*** Submitting SGIP applications
***9.*** Liaising with the SGIP administrators on incentive reservations
***10.*** Liaising with the SGIP administrators on data reporting requirements
***11.*** Supplying project data to SGIP evaluators
***12.*** Physically constructing the system at the customer's premises
***13.*** Installing the system at the customer's premises

# DEVELOPER ELIGIBILITY

- *Acceptance by the Program Administrators of the Developer Eligibility Application does not guarantee that a participant qualifies as a Developer of any given project.*

  - ❖ *At Reservation Request the applicant will be required to identify development activities for that project.*
  - ❖ *The Program Administrators will review RRF and confirm developer.*
  - ❖ *Documentation at all stages of the application must confirm developer is performing substantial amount of development activities.*
  - ❖ *If Developer did not perform stated activities, the Incentive Reservation may be cancelled.*

# DEVELOPER ELIGIBILITY

Homeowners have applied for Developer status.  Whether they are approved, or not, depends on their statements on the Developer Application that they are fulfilling a substantial amount of the Developer activities.

- Even with an approved Developer Key, during the Reservation Request (RRF), the applicant must identify who is performing the developer activities. If the identified Developer is not performing a substantial amount of the developer activities for that application, then the Reservation Request is rejected.

- The  RRF will be approved, and incentive reservation issued, based on information provided.  If at any time during the RRF, PPM, or ICF stage it is found that the developer did not perform developer activities as indicated, then the application is cancelled.

# DEVELOPER ELIGIBILITY

There have been occurrences where the Host Customer is working with an established Developer, but just wants to submit the SGIP application on their own, this does not qualify them to be their own developer. The Host Customer can be the Applicant, but must use the Developer Key of the Developer who has been developing their project. *(Ref: SGIP Handbook, Sections 4.1.5 and 4.1.5.1)*

During the Developer Eligibility Application process, we normally will ask a Homeowner who has been working with them on their installation. Most of the time they identify a major Developer, and we have to reject their Developer Application.

# EQUITY BUDGET

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

PG&E Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# SGIP Equity Budget – Important Dates and Events

- Equity Budget (Residential Storage Equity and Non-Residential Storage Equity) is currently open in three territories:
  - ❖ Southern California Edison
  - ❖ Southern California Gas
  - ❖ San Diego Gas and Electric (PA: Center for Sustainable Energy)

- The Equity Budget will not open for Pacific Gas and Electric until funds are fully exhausted in their Step 2 Large-Scale Category.

- SCE, SCG, and CSE opened their Equity Budget respectively on January 11, 2018, March 5, 2018, and June 11, 2018.

- Both SCE and SCG did not receive an Equity Budget application within the first three months after their respective opening dates.
  - ❖ SCE and SCG each filed information-only Advice Letters as required by Ordering Paragraph (OP) 2 and defined in Conclusion of Law (COL) 12 of D.17-10-004, which required us to increase the incentive rate by $0.05/Wh for each Equity Budget category .
  - ❖ CSE has not received an Equity Budget application since their opening date.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

PG&E Pacific Gas and Electric Company

SoCalGas
A Sempra Energy utility

Center for Sustainable Energy

# SGIP Equity Budget – Current Budget

| Residential Storage Equity | CSE | SCE | SCG |
|---|---|---|---|
| Step 3 Available Funds | $405,924.66 | $1,216,470.43 | $276,147.64 |
| **Non-Residential Storage Equity** | | | |
| Step 3 Available Funds | $3,653,321.99 | $10,948,233.85 | $2,485,328.76 |

# SGIP Equity Budget – Current Incentive Rates

| | CSE | SCE | SCG | PG&E |
|---|---|---|---|---|
| **Large-Scale Storage** | **Step 3** | **Step 3** | **Step 3** | **Step 2** |
| Energy Storage** | $0.35/Wh | $0.35/Wh | $0.35/Wh | $0.40/Wh |
| Energy Storage + ITC** | $0.25/Wh | $0.25/Wh | $0.25/Wh | $0.29/Wh |
| **Small Residential Storage** | **Step 5** | **Step 3** | **Step 2** | **Step 3** |
| Energy Storage** | $0.25/Wh | $0.35/Wh | $0.40/Wh | $0.35/Wh |
| **Residential Storage Equity** | **Step 3** | **Step 3** | **Step 3** | **Step 3** |
| Energy Storage <= 10kW** | $0.35/Wh | $0.40/Wh | $0.40/Wh | $0.35/Wh |
| Energy Storage > 10kW + ITC** | $0.25/Wh | $0.30/Wh | $0.30/Wh | $0.25/Wh |
| **Non-Residential Storage Equity** | **Step 3** | **Step 3** | **Step 3** | **Step 3** |
| Energy Storage** | $0.35/Wh | $0.40/Wh | $0.40/Wh | $0.35/Wh |
| Energy Storage + ITC** | $0.25/Wh | $0.30/Wh | $0.30/Wh | $0.25/Wh |
| **Generation** | **Step 1** | **Step 1** | **Step 1** | **Step 1** |
| Wind | $0.90/W | $0.90/W | $0.90/W | $0.90/W |
| Other Generation | $0.60/W | $0.60/W | $0.60/W | $0.60/W |
| Max Biogas Adder* | $0.60/W | $0.60/W | $0.60/W | $0.60/W |




# SGIP ONLINE DATABASE WORKSHOP

JUNE 21, 2018

# AGENDA

- FREQUENTLY ASKED QUESTIONS
- RECENT FEATURE RELEASES
- UPCOMING FEATURES
- OPEN Q&A

PRESENTED BY
ANDREA VAS
ENERGY SOLUTIONS


FREQUENTLY ASKED QUESTIONS

SUPPORT INTAKE

# FREQUENTLY ASKED QUESTIONS

- HOST CUSTOMERS ARE CONFUSED
  - APPLICATION FEE
  - STATUS OF APPLICATION
  - LENGTH OF REVIEW PERIOD
  - NEXT STEPS
- WHO IS THE DEVELOPER
- PA REFERRALS

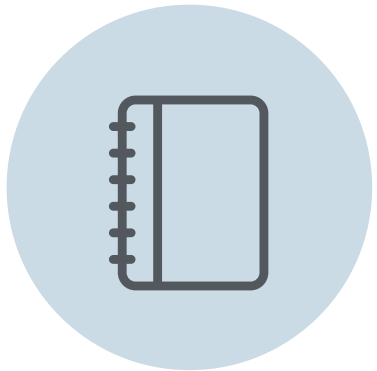

RECENT FEATURE RELEASES

RECENT

# FEATURE RELEASES

- WAITLIST FUNCTIONALITY
- ~~LOCK “PROPOSED SYSTEM INFORMATION” PANEL~~
- MOVE “INTERCONNECTION DATE” FIELD TO UTILITY PANEL
- MONTHLY PBI PERFORMANCE REPORT







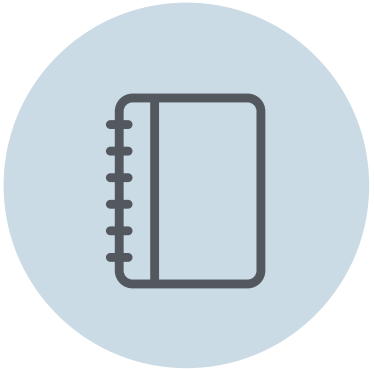
UPCOMING FEATURES

SNEAK PEAK

# UPCOMING FEATURES

- USE HOST NAME FOR “COMPANY NAME” (Residential Apps)
- AD-HOC DOCUMENTS WILL HAVE AN APPROVAL STATUS
- IMPROVED RESOURCES PAGE
- HIGHLIGHTED CHANGES







THANK YOU
AVAS@ENERGY-SOLUTION.COM

# Best Practices

- Application Fee Checks, include SGIP ID and Project Site Address
- Utility Bill
  - Match name for both Host Customer and Utility Customer on record
  - Submit a complete utility bill (all pages)

SOUTHERN CALIFORNIA EDISON® An EDISON INTERNATIONAL® Company

PG&E Pacific Gas and Electric Company®

SoCalGas A Sempra Energy utility

Center for Sustainable Energy®

# Best Practices

## Executed Contract

- Contract outlines terms and ownership
- Matching site address and utility customer
- SGIP Energy Storage 10 year service warranty requirement (Section 5.4.2.3)
- Energy Storage costs matching Total Eligible Project Costs (TEPC)
- Type of storage equipment being installed
- Signatures
- Only pertinent SGIP information

# Best Practices

## Energy Storage Preliminary Monitoring Plan (PMP) Template

- Available at selfgenca.com/home/resources
- Section 5.4.1.5 outlines PMP requirements in detail (page 49)

## Proof of Project Milestone (PPM)

- Initiate Energy Efficiency Audit prior to or immediately after receiving Conditional Reservation Letter
- Notify your PA if there are any major changes to the project (e.g. equipment) prior to drafting the PPM

# Best Practices

## ICF Requirements

- Total Eligible Project Cost is updated on the ICF form and matches Total Eligible Project Cost on the Cost Affidavit and Breakdown Worksheet
- Ensure that the Payee information is accurate. Incentive checks will be made out to the payee name and mailed to the payee address exactly as indicated on the ICF form.
- Permission to Operate (PTO) letter from the Utility specific to project site and Energy Storage equipment
- Building Permit Inspection Report contains customer address and inspector signature

# Best Practices

- Final Monitoring Schematic
  - An electrical single line diagram that includes the energy storage system, the inverter, metering points, the utility meter, the load panel
  - For projects paired with on-site solar, the diagram must call out the location of the CTs for both the energy storage system and the PV system
- Discharge Data Requirement
  - Upload the site specific discharge data to the SGIP database when submitting the ICF package
  - This reduces the number of reviews for the PAs and limits the back and forth during the final ICF approval and inspection process

# Best Practices

- Reach out to Program Administrators prior to submitting or resubmitting applications with any questions you may have

Pacific Gas and Electric (PG&E)
selfgen@pge.com
(877) 743-4112

Southern California Edison
sgipgroup@sce.com
(626) 302-0610

Center for Sustainable Energy
sgip@energycenter.org
(858) 244-1177

SoCalGas
selfgeneration@socalgas.com

# Stakeholder Q & A




# Stakeholder Q & A

1. Will there be discussions about moving funds from one category to another based upon consumer-demand? For instance, since small residential storage seems to be the most active step and large-scale commercial the least active (at least in SCE territory) it would greatly benefit early-adopters (small residential) to continue the incentives to stimulate more and more energy storage adoption.

2. Step 3 reservations have taken approx 4-6 weeks for review. Is there anything we can do for quicker reservation confirmations?

3. When will the Sampling of Inspections begin?