

SGIP Energy Storage Rebate Opportunities on Tribal Lands in California

JULY 2020

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Introductions

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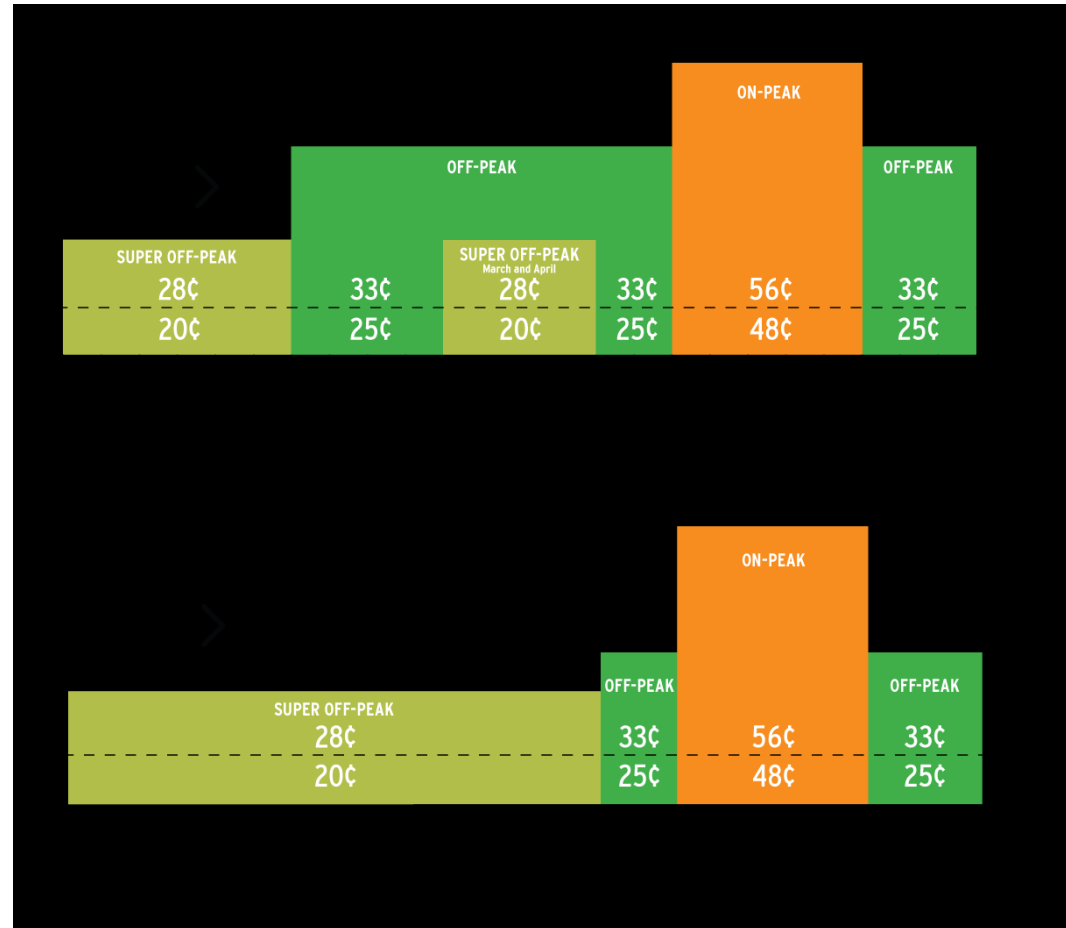
Overview and Benefits of Energy Storage Systems for Buildings



Energy Storage System Benefits

- **Maintain Power During Outages (off-grid)**
 - Depends on size of battery, level of charge, and electricity usage
 - OPTIONAL: Can be paired with solar for off-grid recharging
 - Without battery, solar typically shuts off during a grid outage
- **Save Money of Electric Bills (on-grid)***
 - Buy lower cost off-peak period power (and/or charge with solar power)
 - Use off-peak/solar power during higher cost peak periods
 - *Depends on usage patterns and utility rate schedule

Time of Use Pricing Example



CPUC SGIP Program Overview & Recent Changes

SGIP Battery Rebate Program

- **CPUC = California Public Utilities Commission**
 - <https://www.cpuc.ca.gov/sgip/>
- **SGIP = Self Generation Incentive Program**
 - <https://www.selfgenca.com/>
- **SGIP launched in 2011**
- **Rebates for emerging energy storage & generation technologies**
- **Funded by IOU ratepayers**
- **Rebates only available to fund contributors (i.e. IOU customers)**
 - PG&E, SCE, SDG&E, and SoCal Gas

Recent Changes to SGIP

- **CPUC Decision 19-09-027 (September 12, 2019)**
 - Supplement by D.20-01-021 and other subsequent decisions
- **New \$1.00/Wh SGIP Equity Resilience Budget Rebate**
 - Equity Budget Rebate for Energy Storage Increased to \$0.85/Wh*
 - “Equity Budget Projects”
 - Equity Projects in High Fire Threat Districts (HFTDs) Add \$0.15/Wh*
 - “Equity Resilience Budget Projects”
 - HFTD Maps: <https://ia.cpuc.ca.gov/firemap/> (must be in Tier 2 or 3)
 - Alternative to HFTD Qualification: Facility experienced 2 or more PSPS outages
- **No Equity or Equity Resilience Budget “Step Downs”**
- **Equity Resilience Budget Significantly Increased**

***Subject to additional requirements and restrictions**

Recent Changes to SGIP

- **All CA Indian Lands defined as Disadvantaged Communities (DACs)**
 - DAC status used to be determined only by CalEnviroScreen
- **CA Indian Lands = Federally Recognized Indian Trust Lands**
 - Includes privately-held inholdings owned by tribe or at least one tribal member
- **CPUC Eligibility Maps**
 - You can check these maps to see if your area is within one of the eligible high fire risk zones:
 - <https://www.arcgis.com/home/webmap/viewer.html?webmap=21583b186a0b445db616a7024cfe1e3c&extent=-128.3082,32.5296,-108.1812,42.0178> (residential)
 - <https://www.arcgis.com/home/webmap/viewer.html?webmap=fbe7a8926d0341f4888ee22ca68637cb&extent=-127.7791,32.5552,-107.6522,42.0403> (non-residential)

Non-Residential Battery Opportunities for Tribes

Non-Residential SGIP Opportunity

- **Equity Resiliency Budget Rebate \$1.00 per watt hour of energy storage:**
 - Certain facilities are eligible for Equity Resilience budget:*
 - Police stations; fire stations; emergency response providers (fire, law, medical, public safety, etc.); emergency operations centers; 911 call centers; medical facilities; nursing homes; blood banks; health care facilities; gas, electric, water, wastewater, or flood control facilities; jails and prisons; IOU designated PSPS assistance centers; cooling centers; homeless shelters; grocery and corner stores; markets and supermarkets; foodbanks; independent living centers
 - Facilities must be located in in HFTDs or experienced 2+ PSPS events
- **Rebate can offset 100% of the battery system cost**
 - 100% rebates for most of the eligible Rincon, Pala, and San Pasqual facilities
- **Rebates available starting on May 12, 2020 (and moving fast)**
 - According to CALSSA, over \$10M in rebate applications are submitted per week

***Subject to additional requirements and restrictions**

Residential Battery Opportunities on Tribal Lands

Residential SGP Opportunity

Eligibility of residential projects on CA Indian Lands includes:

- Homes with electric pumps for drinking water (regardless of income)
- Homes with medical equipment, on medical baseline rates, or notified utility of life-threatening illness/condition (regardless of income)
 - <https://www.sdge.com/residential/pay-bill/get-payment-bill-assistance/health-senior-support/qualifying-based-medical-need>
- Homes with GRID Alternatives solar PV systems (regardless of income)
 - Customer previously qualified for SOMAH, MASH, SASH or DAC-SASH programs
- Homes that meet certain income requirements
 - The exact income thresholds are pending
 - Current off-reservation limits based on 80% area median income (AMI) for household
 - CPUC proposed income limits based on 200% of federal poverty (CARE eligibility)
 - Doesn't vary for the location / account for locational cost of living

Proposed Income Limits (for select counties)

Persons in Family	CARE/ESA Income Limits	Lake County 80% Area Median Income Limits	San Diego County 80% Area Median Income Limits	Sonoma County 80% Area Median Income Limits
1	\$34,480	\$39,150	\$64,700	\$63,650
2	\$34,480	\$44,750	\$73,950	\$72,750
3	\$43,440	\$50,350	\$83,200	\$81,850
4	\$52,400	\$55,900	\$92,400	\$90,900
5	\$61,360	\$60,400	\$99,800	\$98,200
6	\$70,320	\$64,850	\$107,200	\$105,450
7	\$79,280	\$69,350	\$114,600	\$112,750
8	\$88,240	\$73,800	\$122,000	\$120,000
+1 person	\$8,960			

CPUC Battery Rebate Program

- Equity Resilience Budget Rebate → \$1.00/Wh
- Cost of 2 Tesla Powerwall System (10 kW / 26.4 kWh) = ~\$26,000
- Rebate for 2 Tesla Powerwall System = up to \$26,400
- Residential SGIP went into effect on **May 1, 2020** (and moving fast)
 - Rebate applications are being reviewed and approved on a first come, first serve basis. A high volume of applications is expected (possible delays).
 - The rebate budget is large, but not unlimited.
 - According to CALSSA, over \$10M in rebate applications are submitted per week



Tribal Community SGIP Battery Rebate Initiatives

Tribal Battery Rebate Initiatives

- **Tribes can work with any battery installer in pursuing rebate**
- **Prosper Sustainably + Swell Energy Partnership**
 - Prosper Sustainably = Tribal Liaison
 - Swell Energy = Largest Home Battery Installer in California
- **Current Tribal Initiatives (Residential and Small/Medium Non-Res.)**
 - San Pasqual, Rincon, Pala, Yurok, Santa Ysabel
- **Tribal Initiative Features****
 - Tribal Community Meeting(s) and/or Webinar(s)
 - Rebate application and collection handled by Swell
 - No out-of-pocket costs (for qualifying equity resilience projects)
 - Rebate applications and project contracts can be cancelled for any reason until certain milestones are reached

Thank You!
Questions?
