

SCE's Fall 2021 Disadvantaged Communities – Green Tariff &
Community Solar Green Tariff Request for Offers
("Fall 2021 DAC-GT 4 & DAC-CSGT 4 RFO")

Bidders Webinar Conference
Wednesday, October 6, 2021
10am-11am PPT

Teams Webinar Presentation
[SCE's DAC-GT & CSGT Fall 2021 Webinar](#)

Agenda

1. Introduction & Overview – Mark Burgunder (*10 minutes*)
4. DAC-GT & DAC-CSGT Summary – Angela Taglinao (*20 minutes*)
5. Evaluation & Selection – Ahmet Ergenc (*10 minutes*)
6. Exhibit B – Wil Grady (*15 minutes*)
7. Q&A – Anne Gustafson (*15 minutes*)

Introduction & Overview

Mark Burgunder

Energy for What's AheadSM



Introduction & Purpose

DAC-GT & CSGT Request For Offers (RFO) solicitations only

- Intended to provide information to help potential participants to understand the purpose and identified need for this 2021 DAC-GT 4 & CSGT 4 RFOs as well as understand the RFO process and how to submit bids

Call Procedures and Questions

1. Please remain on mute. If you need to leave, drop off the call
 2. There will be time for Q&A at the end of each presentation, so please hold questions until the allotted time at the end
- SCE will post FAQs, this PowerPoint presentation and a recording of this webinar on the Disadvantaged Communities Procurement website at: <https://www.sce.com/procurement/solicitations/dac>
 - SCE will use PowerAdvocate® to host the RFOs indicated below:
 - **Fall 2021 DAC-GT RFO** can be found by searching for event code "117915" or by registering here: <https://www.poweradvocate.com/pR.do?okey=117915&pubEvent=true>
 - **Fall 2021 CSGT RFO** can be found by searching for event code "117916" or by registering here: <https://www.poweradvocate.com/pR.do?okey=117916&pubEvent=true>
 - For additional information on registering on PowerAdvocate®, please visit: https://www.poweradvocate.com/WebHelp_Sourcing_Intel_Supplier/Content/Resources/Sourcing_Intel_Supplier_Guide.pdf

Document Conflicts

- This presentation is intended to be a summary level discussion of the information and requirements established in the RFO Materials and does not include all the detailed information in the RFO Materials
- To the extent that there are any inconsistencies between the information provided in this presentation and the requirements established in the RFO Materials, the RFO Materials will govern
- Capitalized terms used but not defined in these slides are defined in the RFO Materials

Independent Evaluator (IE)

- What's the IE's role?
 - The IE performs an independent review of the proposals and a detailed review of the utility evaluation and selection process
 - The IE monitors communications between SCE and Offerors and must be copied on all correspondence
 - The IE has access to all bid data
- Accion Group has been retained as the IE for this solicitation:
 - Sheri Vincent-Crisp svincentcrisp@acciongroup.com
 - Harry Judd hjudd@acciongroup.com

Supplier Diversity

- SCE encourages Diverse Business Enterprises (“DBE”) to participate in its solicitations and RFOs
- General Order (GO) 156 establishes requirements for the development of programs to increase participation of DBEs in procurement of contracts from utilities
- For additional information, please visit www.sce.com/SD and <http://www.cpuc.ca.gov/PUC/documents/go.htm>
- Guidance is also available at www.sce.com/EnergyProcurement under the heading “Help & Guidance”
- SCE has GO 156 goals and seeks to work with Offerors who comply with the requirements of GO 156 to help meet them, which briefly are to:
 1. Participate as a qualified DBE (Tier 1 – direct contracting with SCE).
 2. Participate as a qualified DBE subcontractor to an Offeror (Tier 2 – subcontracting)
 3. Register as DBE-owned companies (Offerors and subcontractors) with the CPUC Supplier Clearinghouse (www.thesupplierclearinghouse.com)
- Disabled Veteran Owned Business Enterprises in California are certified through the California Department of General Services (www.dgs.ca.gov/) and are automatically recognized by the Supplier Clearinghouse
- SCE’s Supplier Diversity efforts include encouragement of its Sellers to develop plans to utilize DBE subcontractors

DAC-GT & CSGT RFOs Schedule

Event	Date
DAC-GT 4 RFO and CS-GT 4 RFO Launched	September 30, 2021
DAC-GT 4 RFO and DAC-CSGT 4 RFO Webinar	October 6, 2021 10 AM PPT
Offeror Submission Deadline	November 1, 2021 12 PM PPT
Bidder Notice of Selection of Offers	January 14, 2022
Expected Date to provide Contract for Execution	March 3, 2022
Expected Deadline for Sellers to Submit Executed Standard Contract	March 17, 2022
Expected Date SCE Submits Tier 2 Advice Letter for approval of executed PPA(s)	April 18, 2022

Keys to a Successful Proposal

- Submit a complete offer
 - Carefully read and ensure understanding of the RFO Instructions
 - Ensure that your project meets all eligibility requirements specific to the type of DAC RFO for which you are submitting an offer
 - If you have questions regarding your offers, contact the SCE Power Procurement team via Power Advocate. Please note that the IE has visibility to see all communications in Power Advocate
 - Submit all required documentation per section 6.02 of the RFO instructions
- Make sure your submitted offer is consistent and you provide evidence of a viable project
 - Tip: The offer information stated in the offer workbook should match the supporting documents provided (e.g. Single Line Diagram, consistent naming conventions are used)*
- Submit a competitively priced offer – price refreshes are not allowed

DAC-GT & CSGT Summary

Angela Taglinao

Energy for What's AheadSM



DAC-GT & CSGT Background

Regulatory Background

- (["D." 18-06-027](#) and (["D." 18-10-007](#), provide CPUC directives to adopt Alternatives to Promote Solar Distributed Generation in Disadvantaged Communities ("DAC"), and directs IOUs to implement DAC programs, including program and project sizing requirements
- [Resolution E-4999](#) approved the tariffs to implement DAC-GT and CSGT programs
- Approved on March 9, 2021, [AL 4410-E](#) outlines the updated solicitation materials (PPA & RFO Instructions)

Program Summary¹

- DAC-GT
 - DAC-GT offers a 20% bill credit to California Alternate Rates for Energy (CARE) or Family Electric Rate Assistance (FERA)-eligible residential customers located within a DAC to obtain 100% renewable energy
- CSGT
 - CSGT offers a 20% bill credit to (1) eligible residential customers located in DACs within 5 miles of the project site or (2) SJV² pilot communities³ within 40 miles of the project site to obtain 100% solar energy in their local community
 - CSGT allows for eligible project Sponsor(s) to receive a 20% bill credit for up to 25% of the project's energy output

1. SCE will be responsible for the customer enrollment and subscription to the DAC-GT & CSGT programs

2. For CSGT Projects only, the San Joaquin Valley ("SJV") pilot program communities identified in [D.17-05-014](#) are also DACs

3. Enrollment for the first 50% of CSGT project capacity is reserved for CARE/FERA eligible customers

DAC–GT & CSGT Procurement

- SCE is required by the CPUC to hold two (2) DAC solicitations each year until the program caps are met; this is the second solicitation of 2021
- Eligibility requirements are detailed in the RFO Instructions (see Article 2)

	DAC-GT	DAC-CSGT
Technology	Solar, Wind, Hydroelectric, or Biomass/Biogas	Solar Photovoltaic
Solicitation Target	20 MW	5 MW
Project Size	0.5 - 20 MW	≤ 4.39 MW
Location	Disadvantaged Communities (DACs), defined as census tracts that either: (1) score at or above the 75 th percentile (i.e., top 25% statewide) in the CalEnviroScreen 3.0 tool, or (2) are one of the 22 census tracts that score in the top 5% of CalEnviroScreen 3.0 pollution burden, but that do not have an overall score.	Same as DAC-GT Additionally, for CSGT projects only, the San Joaquin Valley (SJV) pilot communities are also DACs ¹
Valuation Methodology	Least Cost, Best Fit (LCBF)	
Deliverability	Energy Only or Full Capacity Deliverability Status	
Term	10, 15, or 20 years At least one of the Offers must be a ten (10) year Delivery Term	
Initial Delivery Deadline	Thirty-six (36) months after CPUC Approval	

1. SJV pilot communities in SCE’s service territory include California City, Ducor, and West Goshen

RFO Documents & Materials

- **Documents Provided as a Reference**

1. RFO Instructions
2. DAC Standard Agreement (non-negotiable)
3. Exhibit B Checklist & Example
4. Workforce Affidavit Trainee Log*

DAC-GT RFO Documents	DAC-CSGT RFO Documents
<ul style="list-style-type: none"> ✓ DAC-GT Offer Workbook (Generation Profile included) ✓ Team Development Experience Letter ✓ Evergreen Non-Disclosure Agreement ✓ Geographic Information System file (“Project Boundary File”) ✓ Environmental Review Letter ✓ Voluntary Consent to Release non-Public Information ✓ Evidence of Interconnection ✓ Attestation and Evidence of Site Control ✓ Attestation of Developer Experience ✓ A Completed Exhibit B—Project Description 	<ul style="list-style-type: none"> ✓ CSGT Offer Workbook (Generation Profile included) ✓ Team Development Experience Letter ✓ Evergreen Non-Disclosure Agreement ✓ Geographic Information System file (“Project Boundary File”) ✓ Environmental Review Letter ✓ Voluntary Consent to Release non-Public Information ✓ Evidence of Interconnection ✓ Attestation of Site Control ✓ Attestation and Evidence of Developer Experience ✓ A Completed Exhibit B—Project Description ✓ Sponsor’s Letter of Commitment* ✓ Workforce Development Affidavit* ✓ Workforce Development Plan Attestation*

- Please thoroughly review all provisions of the Standard Agreement, RFO Instructions, and all other supporting documentation
- Bidders are responsible for being fully aware of all requirements and obligations of the contractual terms and conditions prior to submitting an offer
- Exceptions to the Standard Agreement terms and conditions will not be accepted

*Denotes document unique and only applicable to the CSGT RFO

Evaluation & Selection

Ahmet Ergenc

Energy for What's AheadSM



DAC-GT Offer Workbook Demo (Sample)

A. OFFEROR & CONTACT INFORMATION

Offeror Company Legal Name:
Business Address:
City:
State:
Zip Code:

Generating Facility Name:
Address:
City:
State:
Zip Code:

Contact Name #1:
Name:
Office Phone:
Cell Phone:
Email:
File Update Date:

Contact Name #2:
Name:
Office Phone:
Cell Phone:
Email:

B. OFFER INFO FOR SCE USE ONLY

CPID:	TBD	Assigned by SCE
Resource Type:	-	Filled by SCE from INPUTS tab
Offer Number:	TBD	Assigned by SCE
Total # of Inclusive Offers:		Filled by SCE
Total # of Exclusive Offers:		Filled by SCE

C. VALIDATION MESSAGE

Read and address the validation message below.

Offer Validation Message:

D. CONTRACT INFORMATION & TERMS

Offeror S&P Credit Rating:
Offeror Moody's Credit Rating:

E. OFFER COORDINATOR

1. Generating Facility Latitude (Decimal degrees) 'N
 2. Generating Facility Longitude (Decimal degrees) 'W

F. ADDITIONAL INFORMATION ABOUT THE OFFER

- Are you participating in this RFO as a Diverse Business Enterprise (DBE)?
- Project Contract. Enter the Project Contract as reflected in the CalEnviroScreen 3.0 Tool: <http://hubb.a.ca.gov/calenviroscreen/part3/calenviroscreen-3/>
- Is this project located in a top 25% DAC?
- Is this project located in a top 5% DAC?
- Offeror or Sponsor listed above is certified as a woman, minority, and disabled veteran-owned business enterprise (WMDVBE). [For eligibility and certification, visit: http://www.sce.com/CommunityandInnovation/Diversity/Supplier-DiversityPage.htm](http://www.sce.com/CommunityandInnovation/Diversity/Supplier-DiversityPage.htm)

DAC-GT Offer Workbook Demo (Sample)



2021 DISADVANTAGED COMMUNITITES - GREEN TARIFF OFFER WORKBOOK
CONFIDENTIAL

A. GENERAL PROJECT INFORMATION

Select one answer for each of the following questions

DG Type:

New or Existing Project:

Eligible Renewable Resource Type:

Federal Tax Credit:

B. INTERCONNECTION

Interconnection Point (include circuit and substation):

Delivery Point:

Interconnection Voltage (kV):

Interconnection Status:

Interconnection Queue Position:

Distribution Upgrade Costs (\$): Costs should match the latest Interconnection document if available

Transmission Upgrade Costs (\$): Costs should match the latest Interconnection document if available

Total Interconnection Cost (\$):

Interconnecting to Distribution System?

Deliverability Status: Leave blank if not applicable

FCDS Date (RA Guarantee Date) if applicable:

C. CAPACITY, TERM AND PRICING

Contract Capacity (MW): Round to three decimal points

Installed DC Rating (kWpdc):

Annual Degradation Factor (%): Panel rating times the number of panels, input to three decimal points (Watt), do not round to kW
Must be less than 1%

Expected COD (Commercial Operation Date): Must be the first day of the month

Term (years): Must be either 10, 15, or 20 years. At least one offer must be a 10-year offer.

Contract End Date:

Product Price (\$/MWh):

Annual GWh:

Capacity Factor (%):

Annual Energy Yield Factor (kWh AC per kWpdc per year)

DAC-GT Offer Workbook Demo (Sample)



2021 DISADVANTAGED
COMMUNITITES - GREEN TARIFF
OFFER WORKBOOK

HOURLY GENERATION PROFILE

Validation Message: Profile is ready

Outages Included? No

Contract Capacity (MW): 3.00

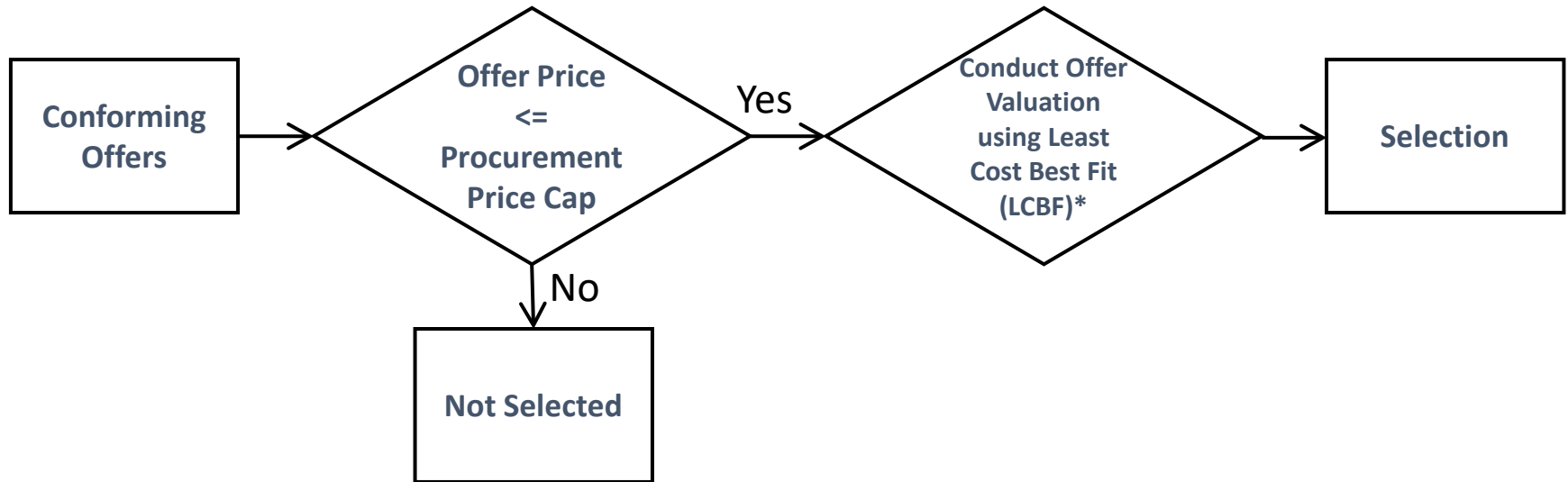
Please fill in the 365 x 24 matrix with the Generating Facility's 8,760 hour generation schedule.

- 1 Base the generation profile on typical meteorological year (TMY) data. Use the current "TMY-3" which can be found on the NREL website at: http://rredc.nrel.gov/solar/old_data/nsrdb/1991-2005/tmy3/
- 2 Do not use a single day of hourly average data to represent all hours in a month.
- 3 Hourly profile must match Contract Capacity of 3 MW as entered on Offer Form in cell J27
- 4 Non Leap-Year Schedule (i.e. 8,760 Hours)
- 5 Generation @ Delivery Point (i.e. the PNode)
- 6 Do not adjust for Daylight Savings Time
- 7 Do not adjust for distribution loss factors (DLFs)

Generation (MWh)	HE 1	HE 2	HE 3	HE 4	HE 5	HE 6	HE 7	HE 8	HE 9	HE 10	HE 11	HE 12	HE 13	HE 14	HE 15	HE 16	HE 17	HE 18	HE 19	HE 20	HE 21	HE 22	HE 23	HE 24	Daily MWh
1-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.13	0.21	0.28	0.30	0.25	0.15	0.13	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.57
2-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.08	0.15	0.90	0.28	1.87	0.48	0.17	0.85	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.86
3-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.39	1.17	1.01	1.89	1.54	0.69	0.19	0.38	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.41
4-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.65	1.80	0.88	1.44	1.40	1.78	1.80	1.44	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.38
5-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.19	1.18	1.93	1.88	1.78	1.39	1.54	1.33	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.42
6-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.48	0.42	0.50	0.57	1.69	1.90	1.94	1.14	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.83
7-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.29	0.19	0.31	0.47	0.36	1.05	1.78	1.53	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.22
8-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.58	0.28	0.28	0.41	0.40	0.30	0.25	0.54	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.13
9-Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	1.30	1.68	0.93	1.64	1.79	1.94	1.98	1.63	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.15



Evaluation & Selection



*LCBF: Least Cost, Best Fit (LCBF) Methodology was approved by CPUC in D. 19-12-042 (SCE's 2019 RPS Plan)

Evaluation & Selection

Levelized Costs

Contract Payments

- Based on the proposed energy price, expected generation profile and contract term

Transmission Cost*

- Cost adders for required network upgrades based on latest Interconnection Study or Agreement

Debt Equivalence Cost

- Cost of mitigating contract commitments on SCE's balance sheet

Integration Cost

- Cost of maintaining a reliable energy supply
- \$3/MWh for solar and \$4/MWh for wind for variable cost
- Fixed cost based on flexible capacity need and price

Levelized Benefits

Energy Benefits

- Market value of energy based on SCE's internal forecast and the submitted generation profile of the resource

Capacity Benefits

- Based on SCE's forecast of net capacity value and the expected quantity of Resource Adequacy (RA)
- RA quantities are based on Commission's applicable accounting rules (Effective Load Carrying Capacity)

Congestion**

- Locational benefit resulting from certain resource locations
- Incremental Cost Adder for projects that deliver energy

Offers are ranked based on a present value of net levelized benefit:

Levelized Benefits – Levelized Costs = Net Market Value

*SCE will only consider reimbursable transmission upgrade costs paid for by SCE customers

- All high voltage (>=200kV) related transmission upgrade costs in CAISO area will be shared by Participating Transmission Owners (~43% for SCE's customers)
- All low voltage (<200kV) related transmission upgrade costs in SCE's territory will be paid for by SCE's customers

**Congestion can result in either a positive or negative cash flow

Exhibit B – Project Description
(DAC Standard Contract)
Wil Grady

Exhibit B: Generating Facility and Site Description

- Exhibit B issues are among the most common reasons offers “fail” during the initial offer screening process
 - Although SCE works with offerors to cure deficiencies, some offers have been disqualified due to inadequate Exhibit B documentation, even after opportunities to cure have been provided
 - Careful attention to this section can save time, hassle, and stress during the RFO process
- What is included in Exhibit B?
 - Generating Facility Description
 - Single Line Drawing
 - Site Plan Drawing
 - Legal Description of the Site
 - Site Map
- Why is Exhibit B important?
 - SCE expects the as-built Generating Facility and Site to be exactly as described

Exhibit B: Generating Facility and Site Description (cont'd)

- General issues
 - Project name on PPA does not match project name in some or all Exhibit B docs
 - Equipment and related details are inconsistent among the various Exhibit B docs
 - Mismatch in project size or other major details with Interconnection Study
 - Any known discrepancies should be explained in a letter accompanying the offer
 - If generating facility design varies from what appears in the Interconnection Study, Transmission Provider must provide an assurance letter that design changes will not impact COD or network upgrade cost
- Site Plan Drawing, Legal Description of the Site and Site Map
 - Clearly illustrate the boundaries of the site and any adjacent generating facilities
 - Equipment locations must be clear (e.g., inverters, solar arrays, wind turbines, interconnection equipment, etc.)
 - In legal description, only list APNs that are part of the Site or include a note linking the site map to the legal description

Exhibit B: Generating Facility and Site Description (cont'd)

- Single Line Drawing and Process Flow Diagram
 - Be sure to include and adequately describe all major equipment
 - Common missing items are:
 - Interconnection point (substation name, equipment type and number, circuit name, etc.)
 - Transformer specifications
 - Substation station light and power
 - Generating Facility station service (auxiliary) transformer
 - Metering (Transmission Provider, CAISO, SCE, Seller)
 - Number of boilers, steam turbines, generators etc.
 - Typical generating unit diagram
 - Type of generator (synchronous, asynchronous, inverter, etc.)
- Key Takeaways
 - Refer to the RFO Instructions when preparing documents
 - Label everything and err on the side of inclusiveness
 - Pay attention to the details, we look at these documents very closely

Site Control & Supporting Documentation

- Site Control Demonstration
 - The Offeror is required to submit a map showing the boundary of the Site for which Offeror has control as part of the PPA
 - The Offeror must provide to SCE an attestation that Offeror has Site Control* for the Project through any of the following:
 - direct ownership;
 - a lease; or
 - an option to lease or purchase that may be exercised upon execution of the PPA
 - SCE reserves the right to request additional information, as needed to demonstrate that Offeror has Site Control with respect to all portions of the real property on which the Project will be located.
 - Situations are on a case-by-case basis which may include but are not limited to:
 - The existence of easements that may affect Offeror's ability to develop the Project
 - The existence of public roads or other crossings that require a right-of-way grant to develop the Project
- Please thoroughly review all provisions of the Standard Agreement, RFO Instructions, and all other supporting documentation
- Bidders are responsible for being fully aware of all requirements and obligations of the contractual terms and conditions prior to submitting an offer

Questions & Answers

Anne Gustafson

Energy for What's AheadSM



Q&A

- After the conference, SCE will compile and post a Q&A document on the DAC-GT & CSGT RFO website
<https://www.sce.com/procurement/solicitations/dac>
- Written responses supersede any responses given in this conference

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Appendix

Energy for What's AheadSM



DAC Customer Program Information D.18-06-027

Program Information	DAC Green Tariff (DAC-GT)	DAC Community Solar Green Tariff (DAC-CSGT)
Target Customers for Program Enrollment	Residential Customers in Disadvantaged Communities	Municipal or Community Based Non-Profit Sponsors & Residential Customers in Disadvantaged Communities
Residential Customer Eligibility	<ul style="list-style-type: none"> All participants must be CARE/FERA Eligible 	<ul style="list-style-type: none"> First 50% must be CARE/FERA Eligible Once the 50% CARE/FERA Eligible is reached, enrollment opens to all DAC eligible residential customers
Bill Credit	<u>Residential Customers:</u> <ul style="list-style-type: none"> 20% bill credit for eligible program participants 	<u>Residential Customers:</u> <ul style="list-style-type: none"> 20% bill credit for eligible program participants <u>Sponsors:</u> <ul style="list-style-type: none"> Multiple community sponsors, if eligible, can share the 20% credit for up to 25% of the project output Sponsors from outside this range are not eligible for bill credits
Program Information	<ul style="list-style-type: none"> Resources is within a top 25% DAC census tract 100% green energy from renewable resources located in DACs Projects must be Green-e certified 	<ul style="list-style-type: none"> Resources is within a top 25% DAC census tract Provides eligible SCE bundled residential DAC customers the option to receive 100% of their energy from a local solar renewable resource that is in an eligible DAC census tract and whose project is either located: <ol style="list-style-type: none"> Within 5 miles of the customers DAC census tract; or Within 40 miles for residents in one of the San Joaquin Valley (SJV) Pilot cities of California City, W. Goshen, or Ducor (Not required to be a DAC) Projects must be Green-e certified Includes local, community-sponsored solar, rather than utility-sponsored renewable energy

For Vendor/Sponsor DAC-GT & CSGT Customer Program questions, please send an email to: DACPrograms@sce.com