



BASSETT | AVOCADO HEIGHTS
advanced energy
community



Making Community Solar Work in California

Lessons from the State's First Small, Multi-sited System

Introductions

Moderator



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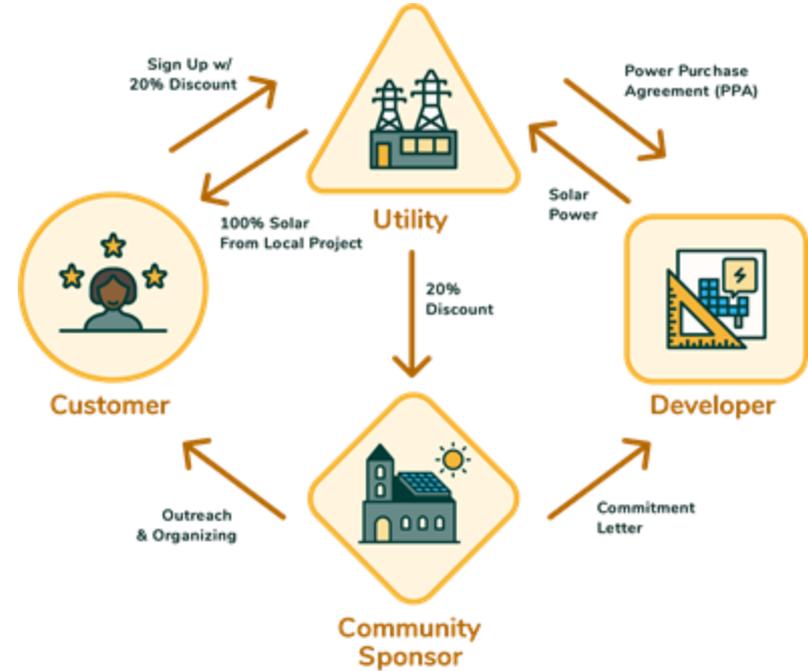
Panelists

What is Community Solar?



Community Solar in California

- 2019: New CPUC programs
 - Disadvantaged Community (DAC) Green Tariff program
 - Local, community-sponsored solar (CS-GT)
 - Closed by AB 2316
- 2022: Process Evaluation, New Proceeding (per AB 2316 and AB 2838)
- 2024: CPUC decision Community Renewable Energy
- 2025: Waiting for CRE program
 - 2025: AB-1260 (D-Ward) introduced (renewable energy subscription programs)



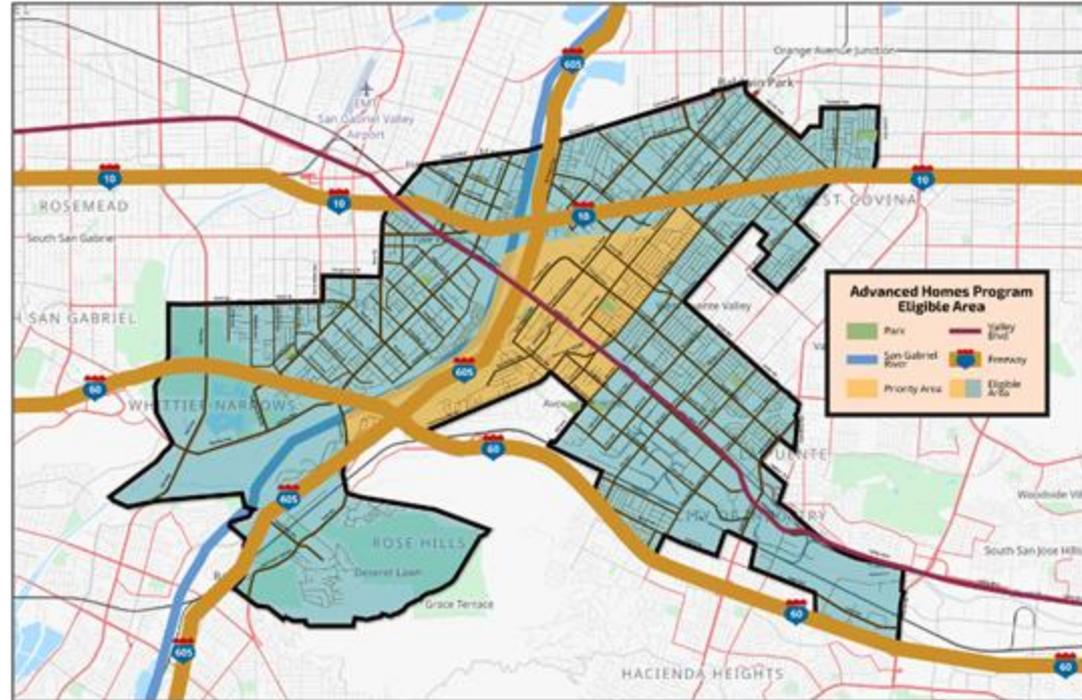
Source: Initiative for Energy Justice





Project Background

- \$9M California Energy Commission EPIC Grant
- Targeted at low-income households
- All disadvantaged tracts
- East Los Angeles County



Community Engagement



**ACTIVE
SGV**



Los Angeles County Supervisor
HILDA L. SOLIS
First District



400+
Power Share enrollments
1,216 meaningful interactions

340
anticipated customers served

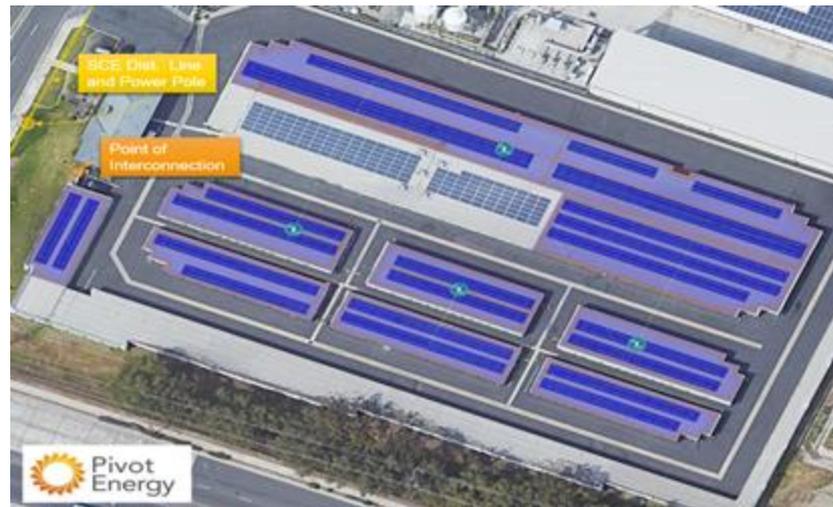


The Project: 670 kW AC Across Two Sites



San Gabriel

- 400KW AC
- 862 Panels

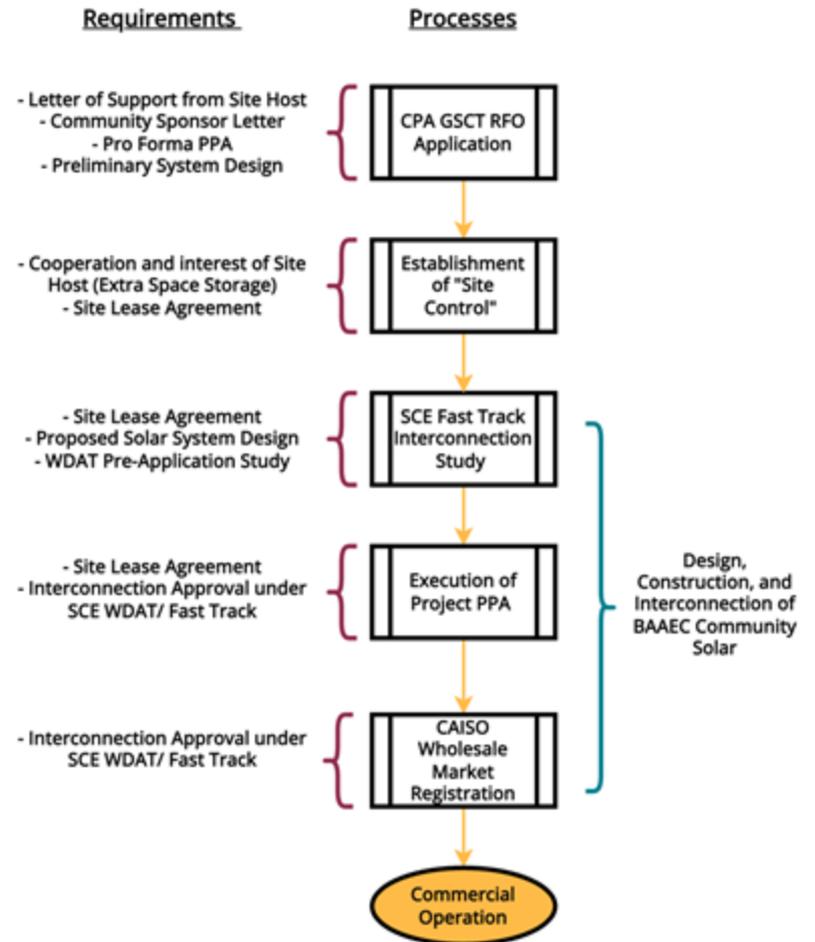


Beverly

- 270KW AC
- 625 Panels

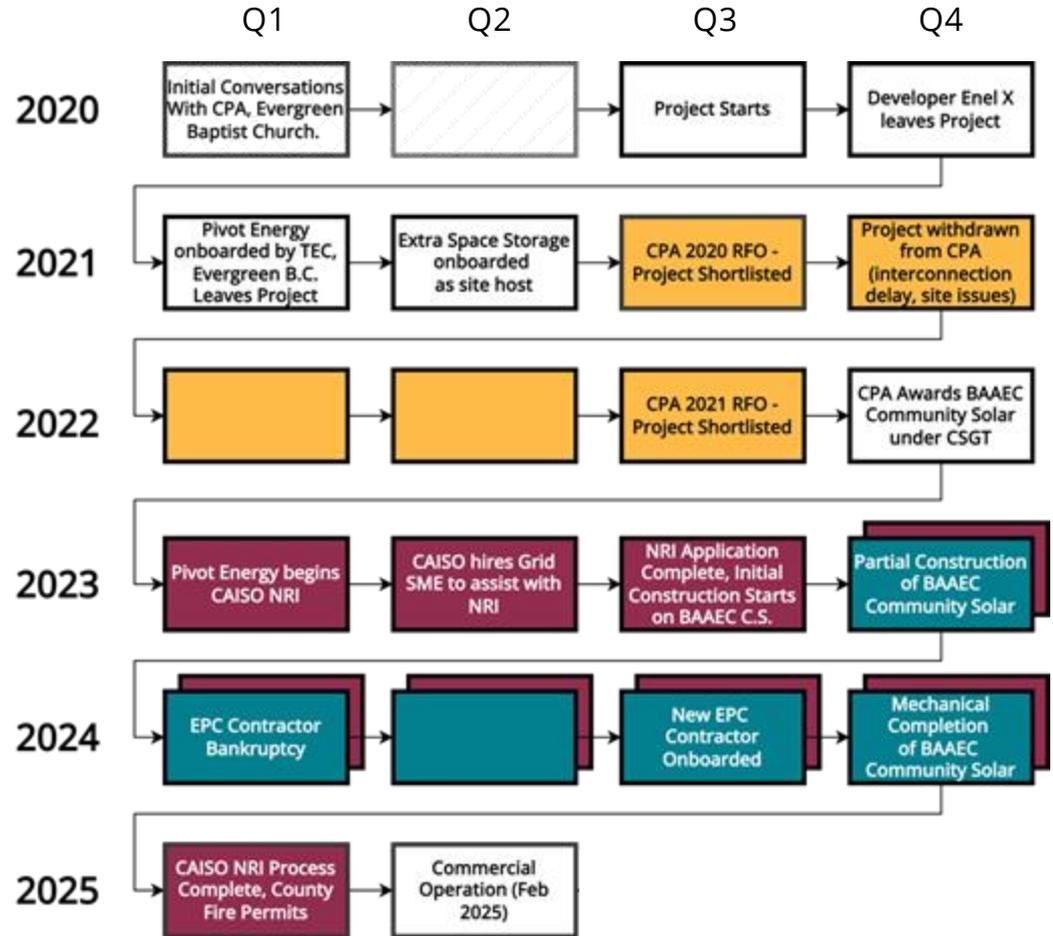


BAAEC Community Solar Pathway to Implementation

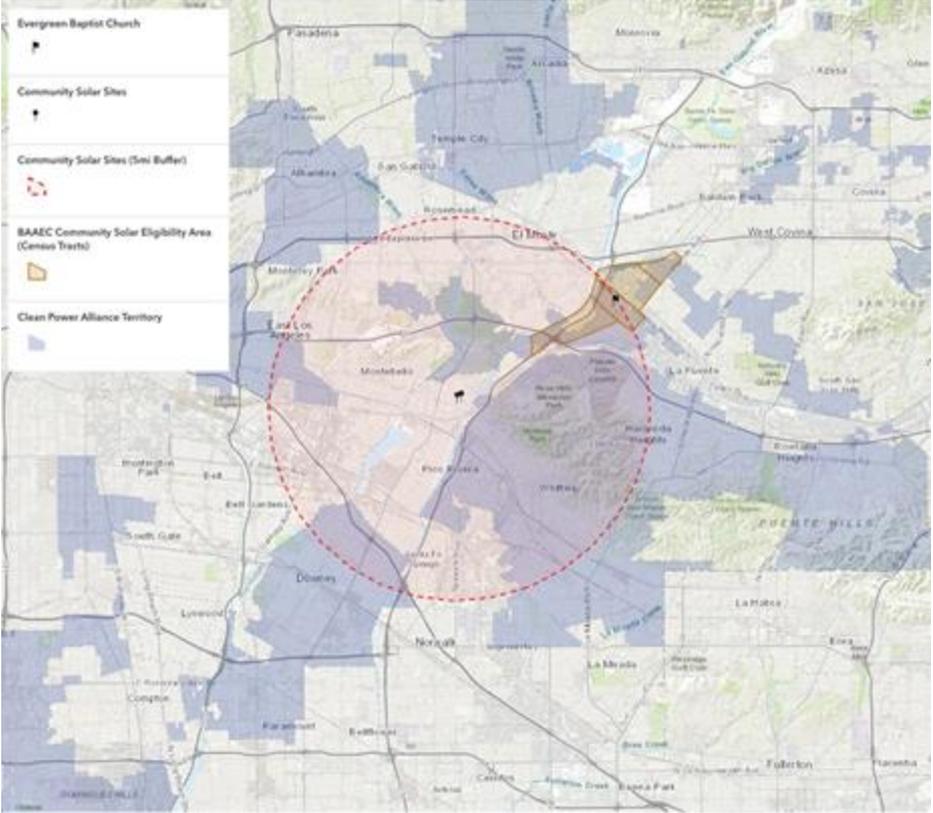


Project Timeline

- Project Planning/
Stakeholder Assembly
- PPA Negotiations w/ CPA
- CAISO New Resource
Implementation
- Physical Construction



Challenges – Site Host/Site Change



Project Challenges

Host site change

(Exit of Evergreen Baptist Church)

CPA deadlines

Interconnection delays

**Challenges that come
with trying to do new
things**

*(DERA New Resource
Integration process)*

**Problems with the
existing CPUC
programs**

**Other delays and
challenges**

DERA = Distributed Energy Resources Aggregate



Project Successes

First distributed community solar system operating as a DERA in the wholesale market!

Successful collaboration between project partners and community representatives

BAAEC Community Solar is now delivering savings to ~340 low-income CPA customers

Demonstrated it is possible to aggregate separate generation arrays

Advancing a policy conversation about what community solar should or could be



BAAEC Community Solar - Operational Model



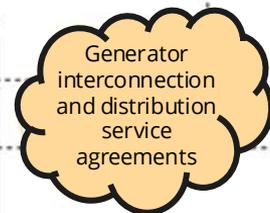
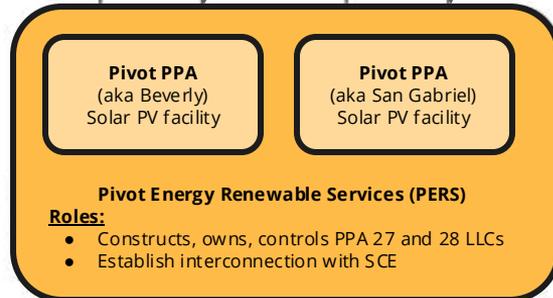
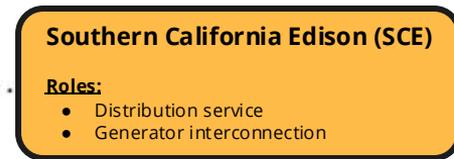
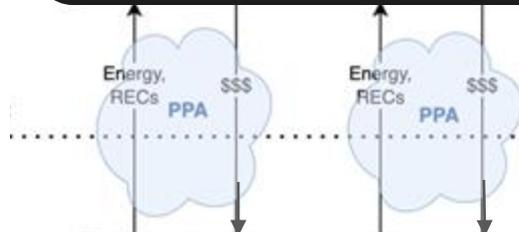
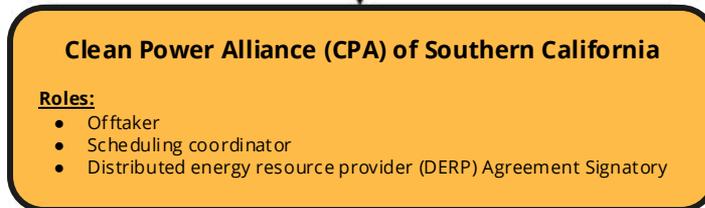
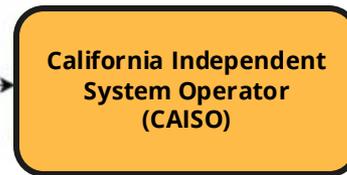
CPA
Custody of and responsibility for energy



Delivery point for energy
12 kV breaker on SCE's distribution system



Pivot Power Purchase Agreement (PPA) Entities
Custody of and responsibility for energy



The Future of Community Solar in California

- What have we learned from the experience of building BAAEC Community Solar?
- Why is it important to experiment with new kinds of projects and new models of implementation?
- What policy challenges face community solar in California?
- How do we think about the benefits of co-locating supply and demand for power? How do we fully value project benefits?

