

SB 843:

Community Solar

Overview Presentation, Solar Confluence 2012

Despite the Success of CA Policy...

Most Californian's Do Not Have Access to Renewable Energy



- **75% Households***

- Renters
- Condo Owners
- Shaded Roofs
- Sitting Issues
- Credit Issues

- **70% of Business**

- Lease for Tax Purposes
- Move Frequently
- Roof Needs Replacement
- Credit Issues

**CleanPath internal analysis pending confirm by UC Berkeley Study (5-2012)*

Solution: SB 843 aka '*Community Solar*'

Benefits to California

- Attract Investment *\$6 Billion*
 - Create Jobs *10,000s*
 - Increase Tax Revenue *\$100s Millions*
 - Save Consumers Money *Immediate Savings*
 - Cleaner Air *Reduced CO²*
-
- No State Subsidies

Four Principles in Crafting Legislation

1. Increase Access to Renewable Energy

- Allow all CA IOU customer's the option to purchase renewable energy

2. Managing Cost to Non-Participants

- Gen to gen program

3. Compensate Utilities for the Services they Provide

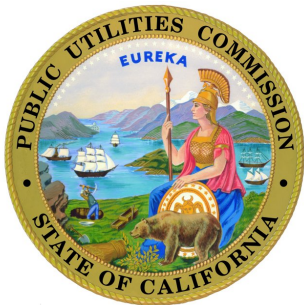
- Subscribers pay all T&D, Public Purpose Charges, Taxes per kWh

4. Projects must be Financeable

- Bill credit sufficiently robust to ensure projects are built
- Timing 'sweet spot'; cheaper panel prices, Federal ITC expiring in Dec 31, 2016

Year Spent Developing Bill Language

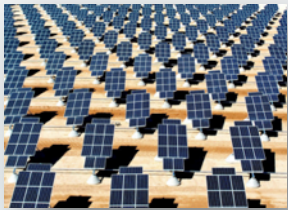
Input from a Diverse Group of Stakeholders



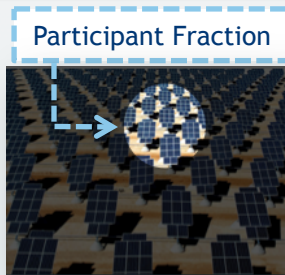
SB 843: How it Works in 4 Steps

**Participants Contract with Offsite, Mid Sized Renewable Facility;
Generates Credit on Participant's Monthly Utility Bill**

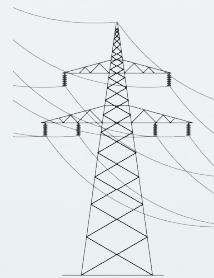
1. Developer Builds
Scale Solar Plant



2. Participants
Subscribes to a Fraction
of the Plant



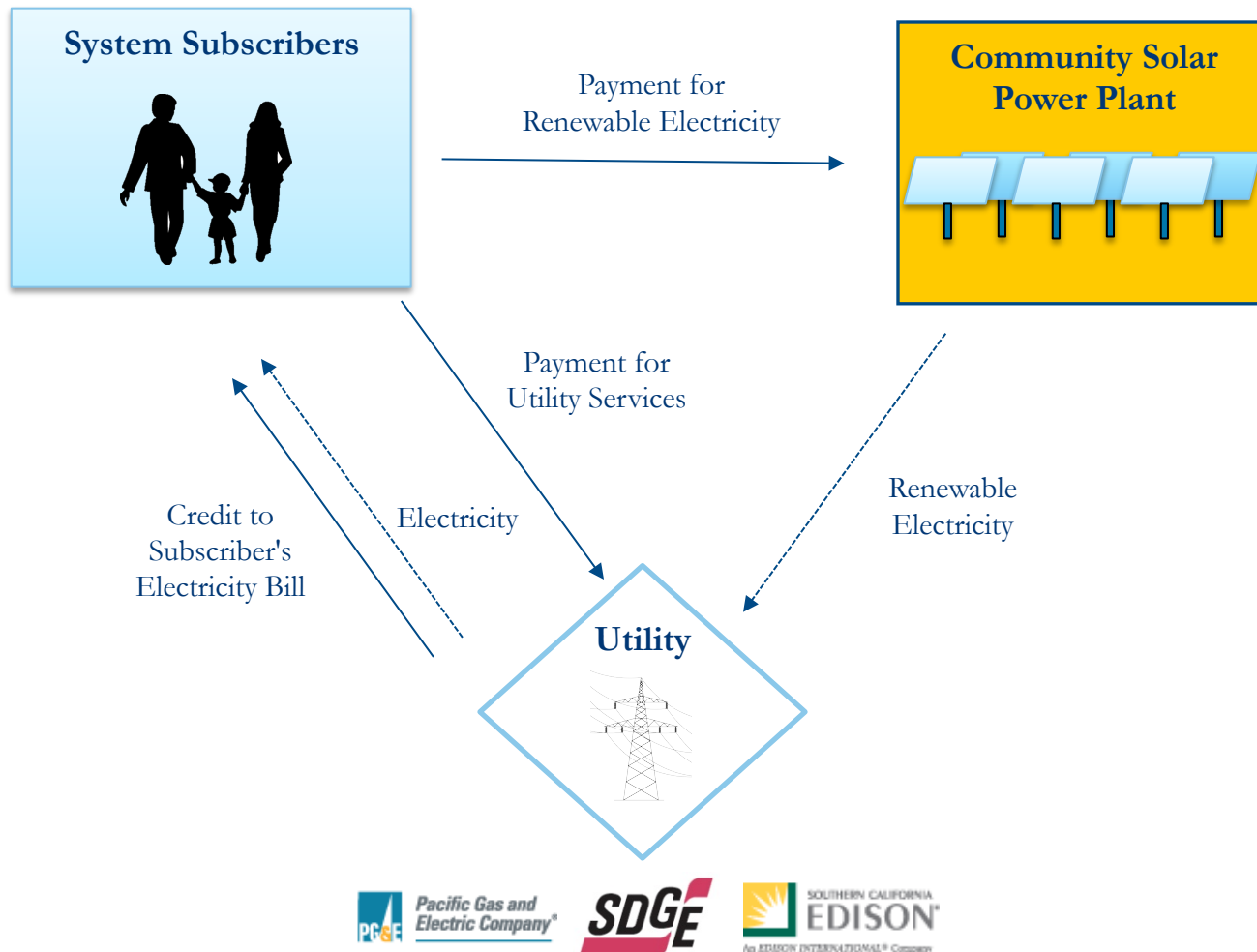
3. Solar Power Flows
into the Electrical Grid



4. Customers Receive
Solar Power Credit on
Utility Bill



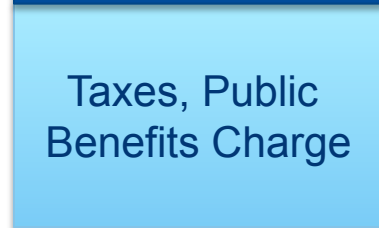
How It Works: Customer Relationship



Bill Credit Mechanism: Applies to Generation



Bill Credit applies to generation only

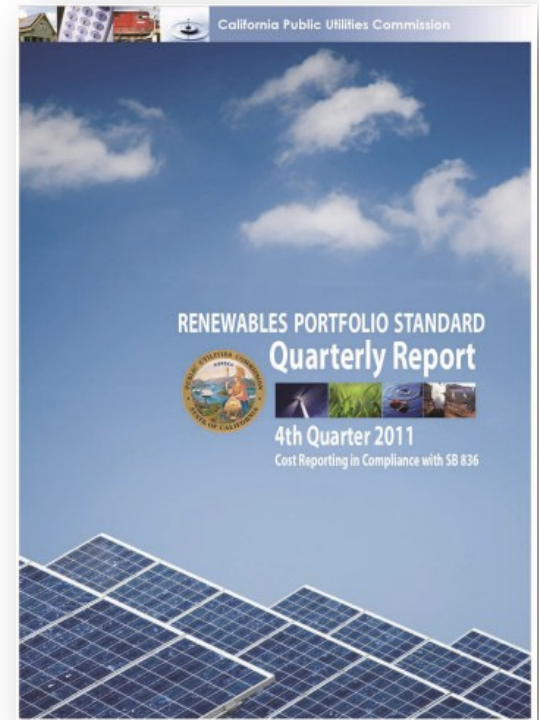


Participant cannot zero out
transmission, distribution, public
purpose charges

Example Charges per kWh

Bill Credit Value = Market Rate that Utilities already Pay for Comparable Generation

- Initial bill credit based on CPUC RPS Cost Report for Renewable Energy (per SB 836)
- SB 843 directs CPUC to determine value of systems to the grid; adder is applied to the generation rate to compensate participant for the benefit (2015)
- RPS bill credit rate is used until the generation rate exceeds this starting rate
- Billing mechanism already developed for MASH Program



*CPUC Quarterly Report
to Legislature*

SB 843 in Practice: A Decade of Proven Success

The First Community Solar Facility, Serving 30+ Accounts, Operating for 10 years

- Created by act of CA legislature as first virtual net metered site in country
- Profitably operated for the last 10 years; placed into service in 2002
- Unique partnership with CleanPath and City of Davis
 - 1 MW PV System
 - 1,075 MWh/year
 - 33 City of Davis accounts receiving bill credits on Multiple Rate Schedules



PVUSA Facility – Davis, CA



Analysis of SB 843

Suggested Changes to Bill

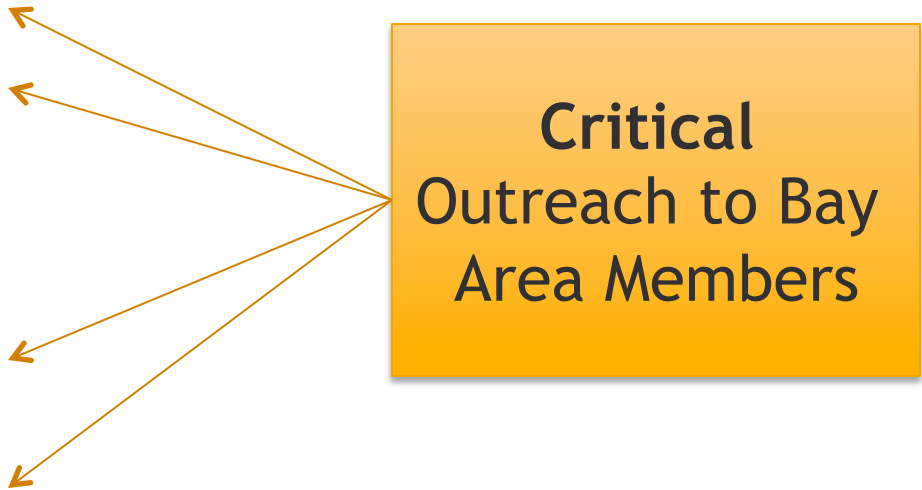
- 1 Location: Limit Subscriber to be w/in 10mi of facility
 - Bill Text: Subscriber can be anywhere in IOU Service territory
- 2 Project Scale: Limit to 1MW
 - Bill Text: Up to 20MW
- 3 Give Subscribers Ownership/Control of Facility
 - Bill Text: Allows for subscribers to own facility
- 4 Accessibility to Low-income Communities
 - Bill Text: Credit specifically designed to serve all rate schedules, including CARE
- 5 Land Use: Disallow ecologically sensitive habitat or prime farm land
 - Bill Text: Silent

Assembly: Utility & Commerce Committee

Hearing June 25th (4 Weeks)

8 Votes to Pass Committee; 6 Bay Area Members

Status	Member	Party	District	Bay Area
	Bradford	Dem	51	
	Buchanan	Dem	15	x
	Fletcher	Ind	75	
	Fong	Dem	22	x
	Fuentes	Dem	39	
	Furutani	Dem	55	
	Gorell	Rep	37	
	Hernandez	Dem	57	
YES	Huffman	Dem	6	x
	Knight	Rep	36	
	Ma	Dem	12	x
	Nestande	Rep	64	
YES	Skinner	Dem	14	x
	Swanson	Dem	16	x
	Valadao	Rep	30	



**Critical
Outreach to Bay
Area Members**

Support SB 843

www.renewableenergynow.org



How You Can Help

- ① **Contact your Member**
- ② **Sign a support letter on letterhead**
- ③ **Send an action alert to your network about the bill**
- ④ **Lobby in Sacramento**

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