

Principles and Policies for Low and Moderate-Income Solar

Part 4:

Direct Incentives that Can Be Used for LMI Solar

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October 6, 2017

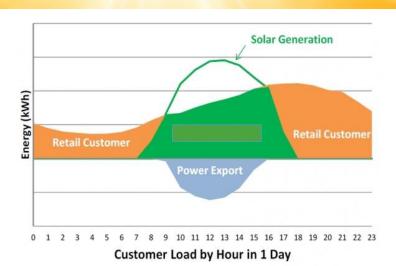
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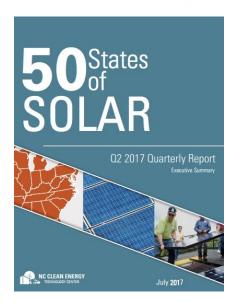
Learning Objectives

- To understand what types of direct incentives are available for distributed solar.
- To understand how these incentives do and don't work for LMI customers.

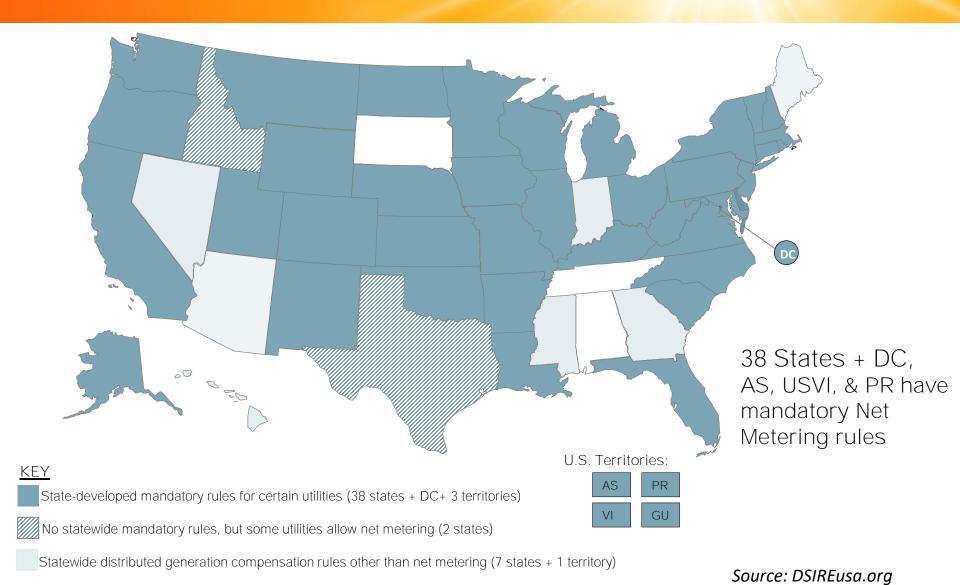
Net metering

- Still common for residential customers, but some states are replacing, reconsidering, or redesigning critical details
- Main source of value for customer
- Even more valuable if combined with time-of-use rates, depending on times
- "Virtual" net metering is key for community solar



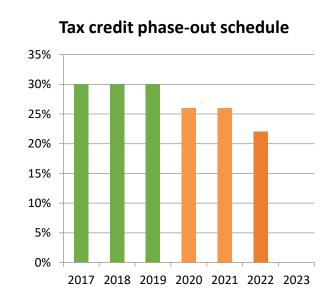


Net metering



Rebates and tax credits

- Federal credit of 30% phases out by 2023
- Requires sufficient tax appetite over two years
- State tax credits and rebates vary, but also going down and out
- Some extra incentives for low-income (CA, NY, IL)



Solar renewable energy credits (SRECs)

- RECs are used to track RE in compliance and voluntary markets
- Solar RECs are traded in DC, MA, MD, NJ, OH and PA
- Prices vary by market demand: Currently range from 0.35 cents to 42.7 cents per kWh!
- Very valuable in DC, MA and NJ.
 No value in MD, OH, and PA
- Critical to low-income solar in some places

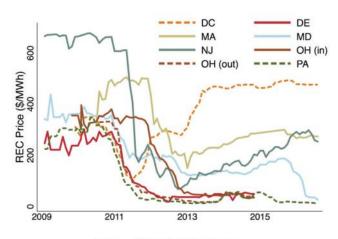
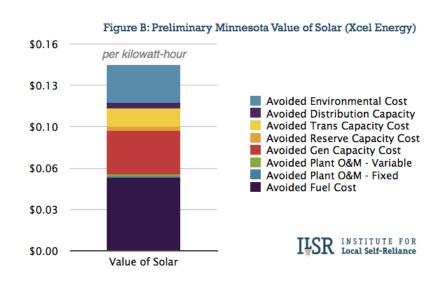


Figure 21. SREC pricing

Value of solar tariff (VOST)

- Most common approach globally: feed-in tariff
- Replaces net metering: customer sells all solar power at tariff rate and buys all power at retail rate
- Based on the stack of values solar delivers, not on retail or wholesale prices
- Minnesota and Austin, TX
- NY location-based tariff under development



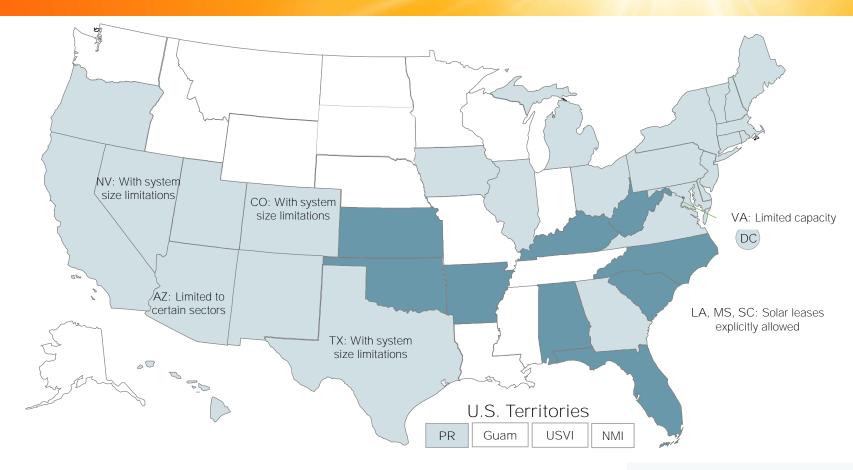
3rd party contracts (PPAs)

- A solution for low-income homeowner who has:
 - Not enough tax appetite
 - Not enough money down
 - Good credit
 - High electric bill and rates

• But:

- High costs of finance
- Prices typically escalate
- Not legal everywhere
- Not for renters

3rd party contracts (PPAs)



Apparently disallowed by state or otherwise restricted by legal barriers Authorized by state or otherwise currently in use, at least in certain jurisdictions Status unclear or unknown

Source: DSIREusa.org

At Least 26 States

+ Washington DC and Puerto Rico Authorize or Allow 3rd Party Power Purchase Agreements for Solar PV

Contact Information

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Thank you for attending our webinar

Questions? Contact:
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Visit CESA's Solar In Your Community Challenge webpage for more info and resources:

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About This Webinar Series

This webinar series is divided into two four-part webinars.

Principles and Policies for Low and Moderate Income Solar, Part 1

Friday, October 6, 2017

- 1. Opportunities and Challenges
- 2. Case Studies
- 3. Financing Options
- 4. Direct Incentives

Principles and Policies for Low and Moderate-Income Solar, Part 2

Friday, November 17, 2017

- Presenting solar information to LMI consumers
- 2. Engaging LMI communities
- 3. Solar+storage for LMI communities
- 4. Community solar for LMI customers

Webinar recordings and registration forms are available on CESA's website at:

www.cesa.org/projects/sustainable-solar/solar-in-your-community-challenge-webinar-series



Principles and Policies for Low and Moderate-Income Solar, Part 2

Friday, November 17, 12-2pm ET

Topics to be covered:

- Presenting solar information to LMI consumers
- Engaging LMI communities
- Solar+storage for LMI communities
- Community solar for LMI customers

Sign up at: http://bit.ly/CESA-Webinar-11-17

Virtual Office Hours

The instructors will be available for one-on-one consultations with Challenge participants after the webinars, through **virtual office hours**. To schedule a consultation, contact Diana Chace at diana@cleanegroup.org