



## Sun and Sparks

Sustainability Summit

June 14, 2019

## Speakers (in order of presentation)

- Andrea Friedman, NJ Department of Environmental Protection
- Alex Torpey, Business Administrator, Lambertville, NJ
- Cathleen Lewis, NJ Board of Public Utilities
- Ryan Gergely, NJ Department of Environmental Protection
- Christine Symington, Sustainable Princeton

## Municipal Program Energy Actions

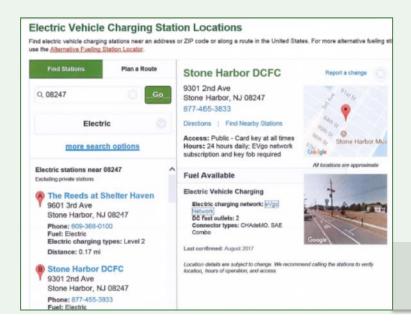
	Climate Planning and Energy Efficiency	Renewable Energy	Alternative Fuel Vehicles
Municipal Operations	<ul> <li>Carbon Footprint</li> <li>Energy Tracking and         Management     </li> <li>Energy Efficiency for Facilities</li> </ul>	<ul> <li>On-Site Solar Energy</li> <li>On-Site Geothermal</li> <li>On-Site Wind Energy</li> <li>Purchase Renewable Energy</li> </ul>	<ul> <li>Fleet Inventory</li> <li>Purchase Alternative Fuel Vehicles (AFV)</li> </ul>
Community Energy Use	<ul> <li>Community Carbon Footprint</li> <li>Climate Action Plan</li> <li>Residential Energy Efficiency Outreach</li> <li>Commercial Energy Efficiency Outreach</li> </ul>	<ul> <li>Wind Ordinance</li> <li>Renewable GEA</li> <li>Make Your Town Solar Friendly</li> <li>Community-Led Solar Initiatives</li> </ul>	<ul> <li>Make Your Town EV Friendly</li> <li>Public EV Chargers</li> </ul>



## Sustainable Jersey EV Actions

#### **Public EV Charging Infrastructure**

- Municipality instrumental in the project
- Publicly available
- Listed on "public directory"
- Signage/Promotion of Charging Stations



#### **Make Your Town EV Friendly**

- Zoning -- EV charging stations as accessory use
- Design standards for EVSE parking spaces
- Training for local officials
- Outreach activities
  - Incentive for pre-wiring
  - Awareness event
  - Commitment from 3 local partners
    - for workplace chargers
    - for multi-family chargers



## Municipal Planning and Zoning for EVs

#### PEV Parking Ordinance

- Parking spaces / ratio
  - e.g., 1:1 vs 3:1
- Protection around charging infrastructure, e.g. bollards
- Lighting type and hours of illumination
- Signage
- ADA accessibility

- EV Charging Infrastructure
  - Pre-wiring in redevelopment projects
  - EV Charging stations in redevelopment projects
  - Waive permitting fees
  - Award plaque or recognition





## Municipal Fleets

- Fleet Inventory Action
  - Evaluate current vehicle use
  - Fleet planning exercise
- Assess Municipal Duty Cycle
  - Code enforcement vehicles
  - Police vehicle fleet
  - Light and heavy duty trucks
  - Bus fleet
- Purchase Alternative Fuel Vehicles





https://transportation.columbia.edu/news/columbia-university-electric-shuttle-buses-hit-road



## Make Your Town Solar Friendly Action

#### **Supportive Solar Zoning Ordinance**

- Adopt Solar Zoning Ordinance
- Amend Permitting Fee Ordinance



 Note: <u>Solsmart</u> Silver designation qualifies for 30 points for this action

#### **Streamlined Permitting**

- Post requirements online
- TWO additional activities:
  - Train first responders
  - Cross-train codes and permitting staff
  - Expedited permitting
  - Offer narrow inspection timeframe
  - Expedite or eliminate zoning review

## Community Led Solar Initiatives Action

#### **Group Purchasing Program**

- Group purchasing models
  - Sustainable Jersey Solar Challenge
  - Solarize campaign
  - Solarize campaign for businesses
- Performance based criteria
  - % of residents participating
  - % of businesses participating
  - Overall kW installed per capita

#### **Activities and Incentives**

- Awareness building and outreach
  - Financial institutions
  - Chamber of Commerce
  - Realtors
- Incentives
  - 'Solar ready' checklist for builders
  - Waive permitting fees
  - Utilize local workforce trainees



## **Community Solar**







Images: www.nrel.gov/docs/fy11osti/49930.pdf www.energy.gov/eere/solar/community-and-shared-solar



## Municipal Roles in Community Solar

#### Zoning

- large scale ground mount solar
- large scale rooftop solar
- reduce zoning barriers

#### Permitting

- help developers understand local permitting requirements
- permitting fee structure to incentivize community solar



betterbuildingssolutioncenter.energy.gov/sites/default/files/attachments/On Site Solar Decision Guide.pdf



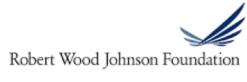
## Sustainable Jersey Supporters & Sponsors

#### **Program Underwriters**











#### **Grants Program**





#### **Corporate Sponsors**







\* 10th **Anniversary** Sponsor















Horizon Blue Cross Blue Shield of New Jersey

























#### Sustainable Jersey for Schools Supporters & Sponsors

#### **Program Underwriters**









#### **Grants Program**







#### **Corporate Sponsors**

Platinum











#### Bronze













# Electric Vehicles and EV Infrastructure: Incentives & Resources for Local Governments and Schools

New Jersey Sustainability Summit June 14, 2019

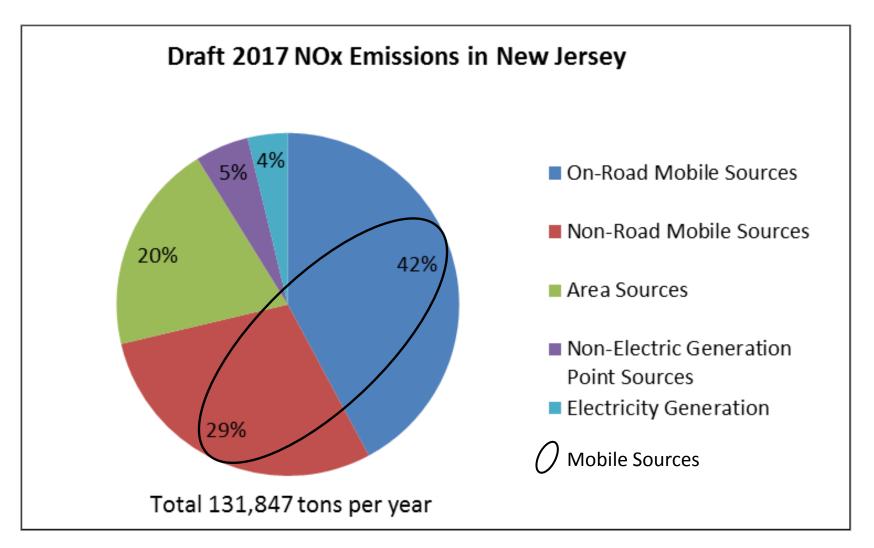
Andrea Friedman, Supervisor of Electric Vehicle Programs

New Jersey Department of Environmental Protection Air Quality, Energy and Sustainability

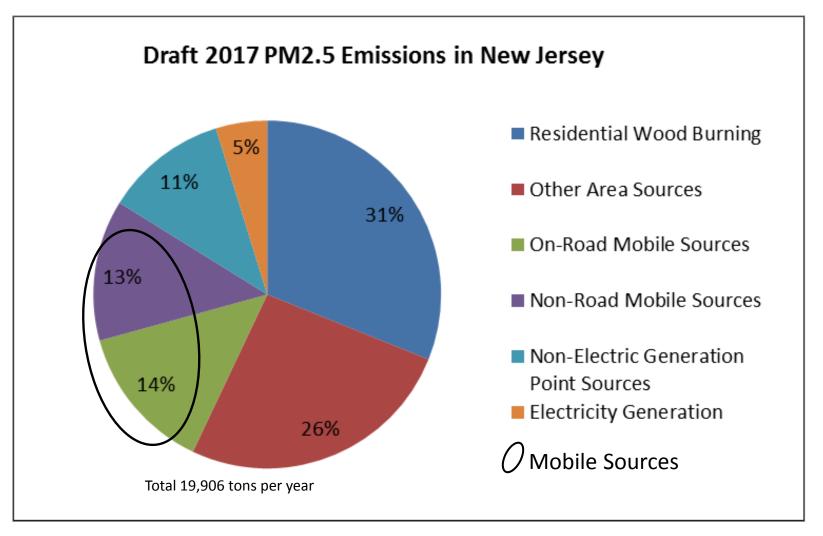


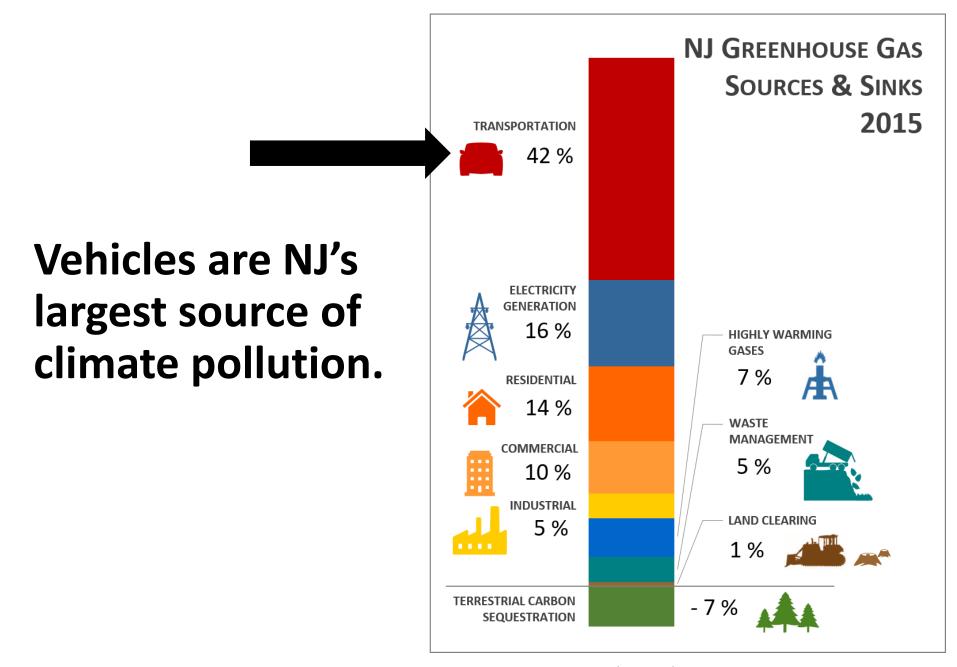


### 75% of ozone pollution is from vehicles.



## 25% of fine particulate pollution is from vehicles.





Source: New Jersey Statewide Greenhouse Gas Emissions Inventory Report 2015



### **Incentives and Resources**



### 1. It Pay\$ to Plug In

New Jersey's Grant Program for EV Charging Stations



Up to \$6,000 per charging station at workplaces, public places, and multi-family housing.

- For purchase, installation and maintenance.
- Apply online at: <a href="https://www.drivegreen.nj.gov/plugin.html">www.drivegreen.nj.gov/plugin.html</a>

### 2. Volkswagen Settlement



Volkswagen installed illegal software in certain diesel vehicles to cheat emission tests. Settlement: VW to provide funds to states and tribes for NOx reduction projects.

\$72.2 million for New Jersey Including \$10.8 million for EV charging

#### Rounds 1 & 2 - NJ's VW Settlement Awards









\$3.2 million Electric vehicle charging stations

\$8 million 8 electric NJ TRANSIT buses in Camden

\$16 million 82 electric heavy-duty vehicles in Environmental Justice Communities:

School buses, garbage trucks, delivery trucks, port trucks and equipment, airport ground support equipment

### Volkswagen Settlement: Next Steps



- DEP will issue a call for proposals for Round 3.
- Join the NJ VW Settlement email list for updates www.state.nj.us/dep/vw/subscribe.html
- See <a href="https://www.state.nj.us/dep/vw">www.state.nj.us/dep/vw</a> for more information.

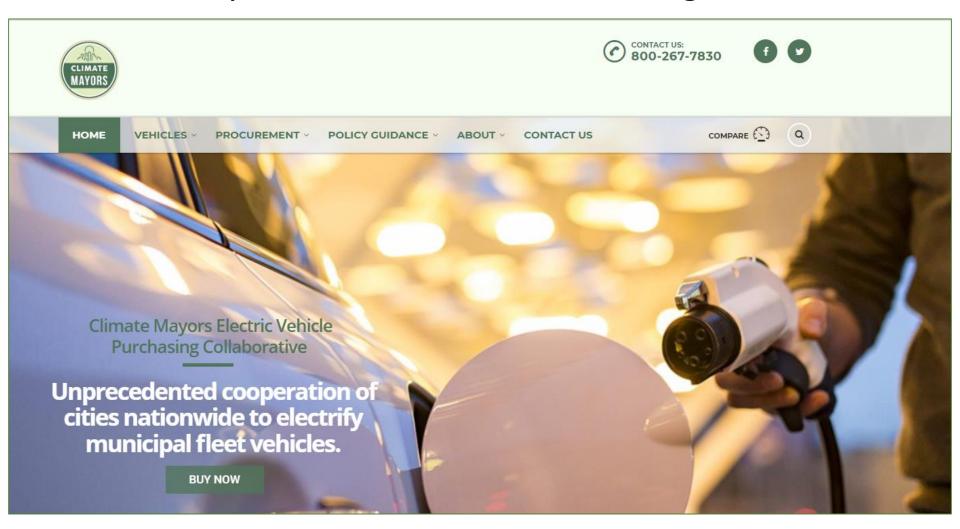
#### 3a. Procurement Tools for Public Fleets

#### New Jersey State Vehicle Contracts

- NJ Dept. of the Treasury "will, whenever possible, solicit offerings of EVs...including Hybrid Electric, Plug-in Hybrid Electric and Plug-in Electric vehicles".
- Plug-in hybrid electric minivan on state contract.
- Treasury issued a bid solicitation for EVs for the state sedan contract in February.
- For updates, sign up for our email list at www.stopthesoot.org/sts-listserv.htm

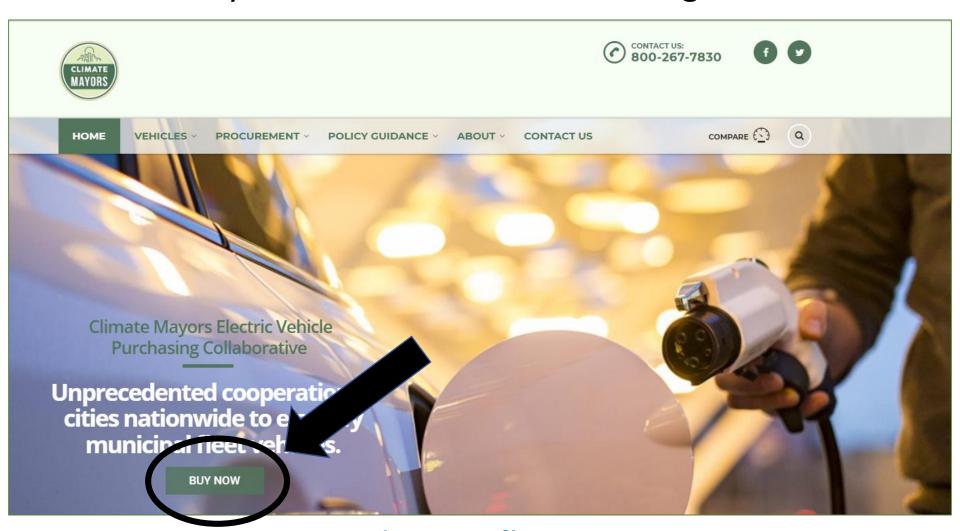
#### **3b. Procurement Tools for Public Fleets**

Climate Mayors Electric Vehicle Purchasing Collaborative



#### **3b. Procurement Tools for Public Fleets**

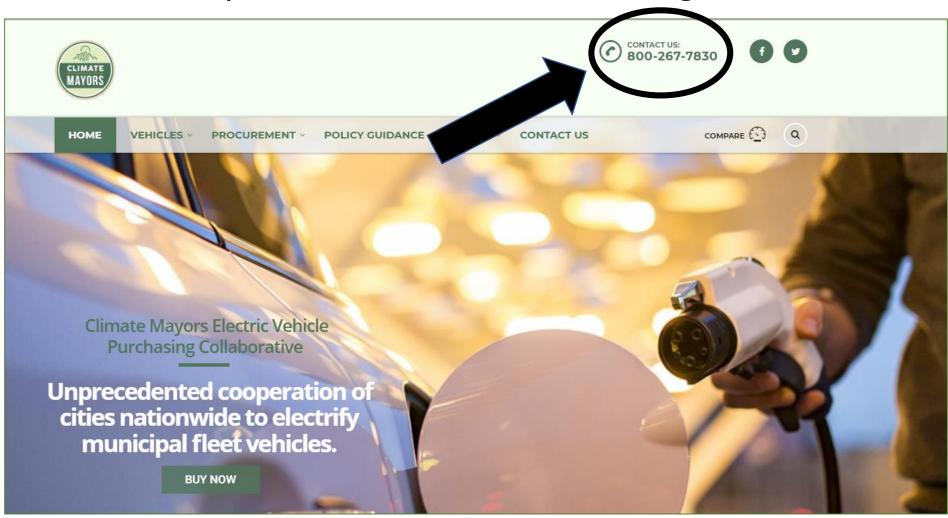
Climate Mayors Electric Vehicle Purchasing Collaborative



www.driveevfleets.org

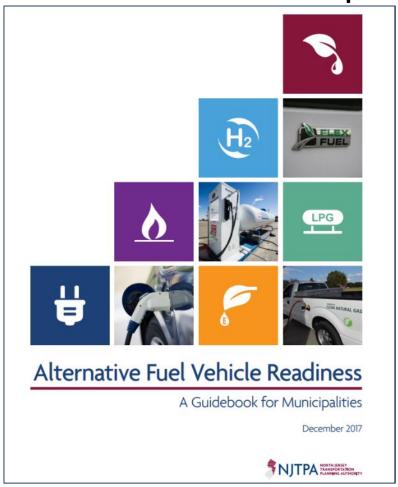
#### **3b. Procurement Tools for Public Fleets**

Climate Mayors Electric Vehicle Purchasing Collaborative



#### 4. Alternative Fuel Vehicle Readiness:

A Guidebook for Municipalities



<u>www.njtpa.org/planning/regional-studies/environment/air-quality/alternative-fuels-vehicles</u>

## **5a. Useful EV Website #1:**Drive Green New Jersey

## dri#e green new jersey

- Electric vehicle basics
- Grants and incentives
- All about charging
- Which EV is right for me?
- Can I afford it?
- Charging station locator
- Maps and data
- Sign up for our email list



www.drivegreen.nj.gov

## **5b. Useful EV Website #2:** Drive Change. Drive Electric.



www.driveelectricus.com

### 6. Sustainable Jersey EV-Related Actions



- Purchase Alternative Fuel Vehicles
- Public EV Charging Infrastructure
- Make Your Town EV Friendly
- Fleet Inventory

www.sustainablejersey.com

### **Breaking (almost) news**

#### Partnership to Plug In

www.nj.gov/governor/news/news/562019/approved/20190603b.shtml



#### Draft 2019 Energy Master Plan

www.bpu.state.nj.us/bpu/pdf/publicnotice/ EMP%20Press%20Release%20610.pdf



### **Summary: Incentives and Resources**

1. It Pays to Plug In – NJ's Grant Program for EV Charging Stations

General info: <a href="https://www.drivegreen.nj.gov/plugin.html">www.drivegreen.nj.gov/plugin.html</a>

Email list: <u>stopthesoot.org/sts-listserv.htm</u>

2. NJ Volkswagen Settlement

General info: <a href="mailto:state.nj.us/dep/vw">state.nj.us/dep/vw</a>

Email list: <a href="mailto:state.nj.us/dep/vw/subscribe.html">state.nj.us/dep/vw/subscribe.html</a>

- 3. Climate Mayors Electric Vehicle Purchasing Collaborative <u>DriveEVfleets.org</u>
- 4. Alternative Fuel Vehicle Readiness A Guidebook for Municipalities <a href="https://njtpa.org/planning/regional-studies/environment/air-quality/alternative-fuels-vehicles">njtpa.org/planning/regional-studies/environment/air-quality/alternative-fuels-vehicles</a>
- 5. Two Useful EV Web Sites

Drive Green New Jersey <u>drivegreen.nj.gov</u>

Drive Change. Drive Electric. <u>driveelectricus.com</u>

6. Sustainable Jersey Tools sustainablejersey.com



#### Call me!

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NJDEP Division of Air Quality

Bureau of Mobile Sources

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(609) 984-2055

www.drivegreen.nj.gov





## DEPLOYING ELECTRIC VEHICLES IN NEW JERSEY LOCAL

## GOVERNMENT

ALEX TORPEY
BUSINESS ADMINISTRATOR, CITY OF LAMBERTVILLE

# OUR PROCESS IN LEONIA

- 1. Collaborative
- 2. Patient
- 3. Goals-driven

# OUR OUTCOME IN LEONIA





#### Thanks Sustainable Jersey!

# ROADBLOCKS -STATE

New Jersey Bond Law N.J.S.A. 40A:2-22(g)2.

## ROADBLOCKS -LOCAL

- 1. Funding (see prior)
- 2. Stakeholder buy-in
- 3. Charging infrastructure
- 4. Grant or technical capacity

<sup>1.</sup> See prior slide about capital funding issues. 2. It's important to have stakeholder buy-in, especially from the departments or agencies that you are planning to deploy them in. Those stakeholders should be involved as early in the process as possible. 3. Ideally, you would have the proper charging infrastructure deployed already so that you can fully take advantage of using these vehicles. If you have privately funded chargers, you might be able to use those, or you can buy them yourself (a dual station level 2 charger is in the \$5,000-\$7,000 range), or look at DEP's grant programs. 4. If you are seeking funding for the vehicle, or need support in writing the specs, or designing or deploying the charging infrastructure, there might be a small amount of technical assistance needed.

# PATHS FORWARD -STATE

Passage of A4424/S3025

# PATHS FORWARD -LOCAL

A good process

# DEPLOYING ELECTRIC VEHICLES IN NEW JERSEY LOCAL GOVERNMENT

ALEX TORPEY
BUSINESS ADMINISTRATOR, CITY OF LAMBERTVILLE

ATORPEY@LAMBERTVILLENJ.ORG



#### BPU & EVs



#### **EV MOU**

 On June 3<sup>rd</sup> Governor Murphy announced a Memorandum of Understanding that enhanced the coordination between the BPU, DEP and EDA to encourage EV use and grow the EV infrastructure across the state.



#### BPU, DEP & EDA Partnership

- The MOU outlines BPU's role in encouraging Electric Vehicle use in New Jersey
  - BPU will consider how to utilize CEP funds to finance
     ZEZ charging infrastructure deployment & mapping.
  - BPU will consider how to dedicate CEP funds to create a rebate program to incentivize sale of new and used ZEZs.
  - BPU will track usage and electric consumption from charging infrastructure.



#### EVs for Underserved Communities

- Grant from the US Department of Energy
- Focused on how to enhance EV adoption in urban areas and in underserved communities
- Look at EV car sharing options and PEV-based ride hailing
- All Proposals due June 14



#### EVs in the Energy Master Plan draft

- Draft was released on June 10, 2019
- First strategy and goal is to "Reduce Consumption and Emissions from the Transportation Section"



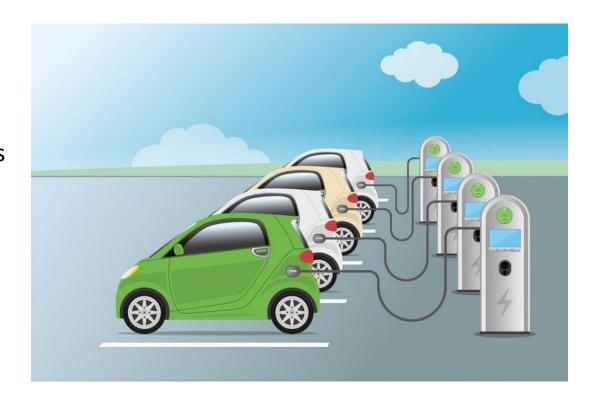
#### Draft highlights

- 2025 330,000 light duty electric vehicles
- Charging infrastructure
- State light-duty fleet
- Increase transportation options, encourage new options
- Decrease Vehicle Miles Traveled
- Port emissions



#### **BPU** continues to

- Partner with DEP on Pay\$ to Plug
- Review voluntary filings of utilities on EV infrastructure and incentive plans





New Jersey's Community Solar Energy Pilot Program



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#### NJCEP BACKGROUND

- Administered by the New Jersey Board of Public Utilities
- Funded from "Societal Benefits Charge" on utility bill
- Program Goals:
  - Promote increased energy efficiency and the use of clean, renewable sources of energy
  - Protect the environment and lower emissions
  - Change the business mindset



#### Part I: Is Community Solar Right for You?

#### Do you....

- Want solar but don't have a place for panels?
- Have room for more panels but not the energy use?

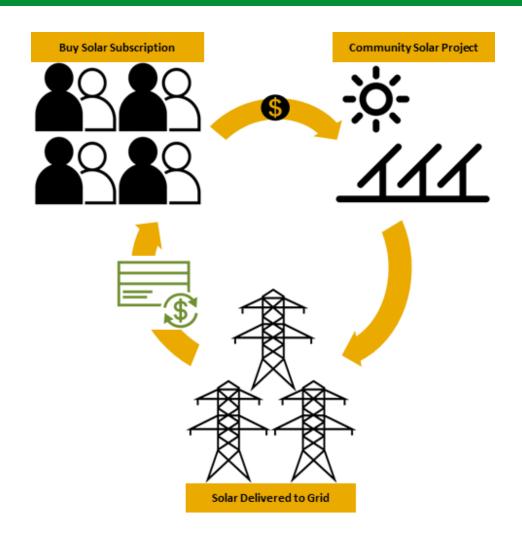


#### What is Community Solar?

- A larger, remotely located solar array or facility that is virtually divided among multiple participants ("subscribers") by means of a credit on their utility bill.
- Provides access to solar energy to renters as well as households, institutions or businesses whose roofs aren't appropriate for solar installation.



#### What is Community Solar?





#### Clean Energy Act of 2018

- Signed into law on May 23, 2018
- Directs the BPU to adopt rules and regulations establishing a Community Solar Energy Pilot Program within 210 days
  - Rules adopted at January 17, 2019 Board Agenda Meeting
- Directs the BPU to adopt rules and regulations
   establishing a Community Solar Energy Program within
   36 months of the enactment of the Pilot Program

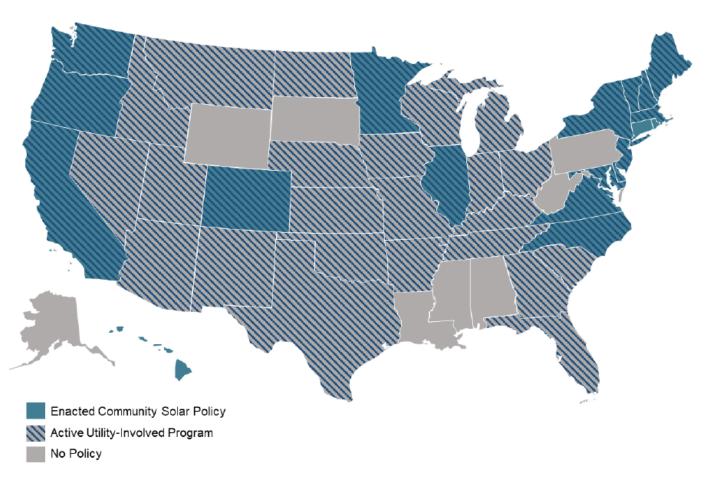


#### **Program Benefits**

- Enable access to solar energy for electric utility customers who have previously been unable to go solar.
- Enable low-and moderate-income households and environmental justice communities to access clean energy and save on their electricity bills.
- Pursue local clean energy development that is tied to the communities without materially compromising the preservation of open space or protected lands in New Jersey.



#### Community Solar in Other States



Source: NC Clean Energy Technology Center; Smart Electric Power Alliance<sup>5</sup>



#### Where do I fit in?



**Subscribers:** individual entities who get solar power



**Developer:** primary group organizing the solar project



**Host Site:** location where solar project is installed



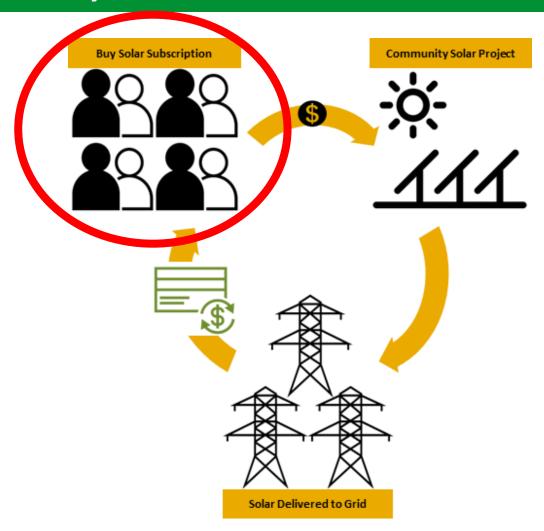
**Utility:** electricity provider where solar project is installed



**Installer:** expert that installs the solar project



#### **Community Solar Subscribers**





#### Subscribing to a Community Solar Project

- Participation can be in the form of:
  - Ownership: buying a share or portion of the community solar project or panels
  - Subscription: buying a portion or share of the electric output produced by the community solar project

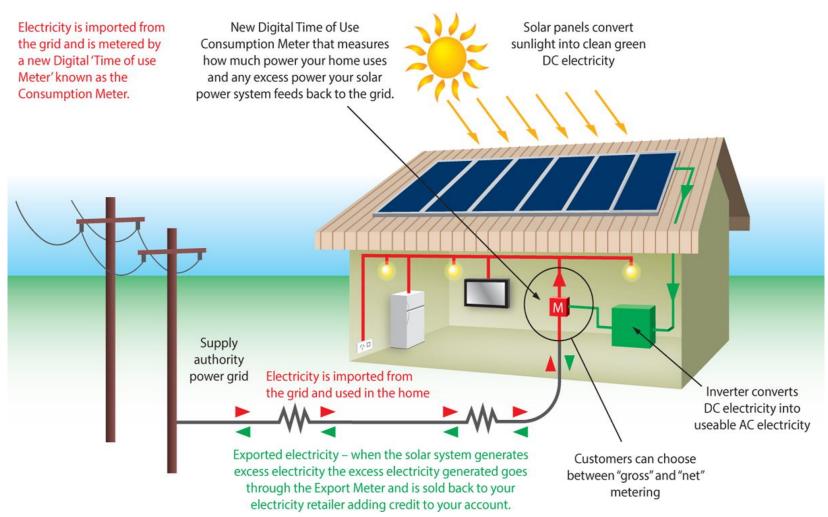


#### Should I be a subscriber?

- Net Metering vs community solar
  - Net metering you can only generate as much electricity as you use each year
- Site ownership
  - Do you own your roof?
- Site location
  - Can your building accommodate solar?



#### **Net Metering**





#### Pilot Program

#### Subscriptions

- All rate classes are eligible to participate in a community solar project; account holders of a master meter are allowed to subscribe to community solar on behalf of their tenants (specific rules apply).
- Subscriptions cannot exceed 100% of the subscriber's 12-month historic annual usage.
- Individual subscriptions cannot be sized at greater than 40% of the project's total annual net energy.
- Subscriptions are portable and transferable (specific rules apply).

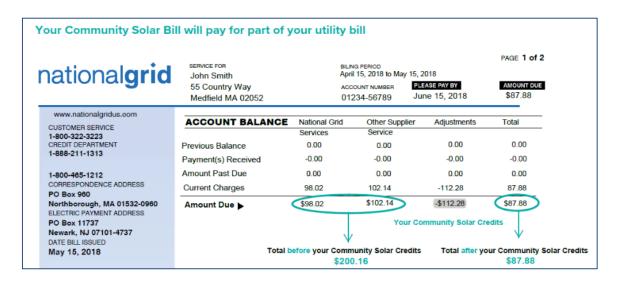


#### Pilot Program

#### Bill Credit

- Bill credit set at retail rate, minus non-bypassable charges.
  - Bill credits can be carried over from month-to-month for one year.
- At the end of the year, excess credits are compensated at avoided cost of wholesale power.
- Subscribers must agree to a remote read smart meter upon EDC request, purchased and installed at EDC cost.

#### Sample Subscriber Bill (from MA)



Prior electric bill cost: \$200.16

Community Solar subscriber

Electric bill cost: \$87.88
Subscription fee: \$100.00

Final total cost \$187.88



https://www.solarpowerauthority.com/how-much-does-it-cost-to-install-solar-on-an-average-us-house

Approximately 50% to 70% usable space Roofs may be less



https://realestate.usnews.com/real-estate/articles/what-homebuyers-should-know-about-solar-panels



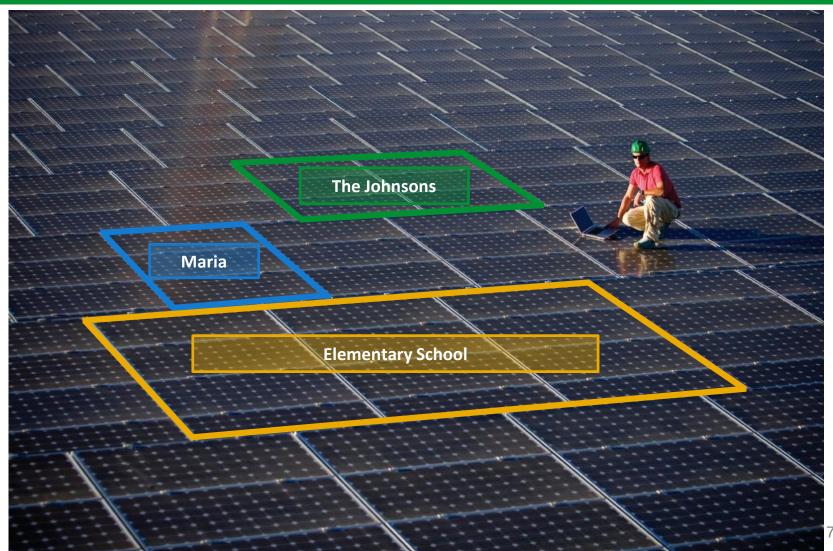






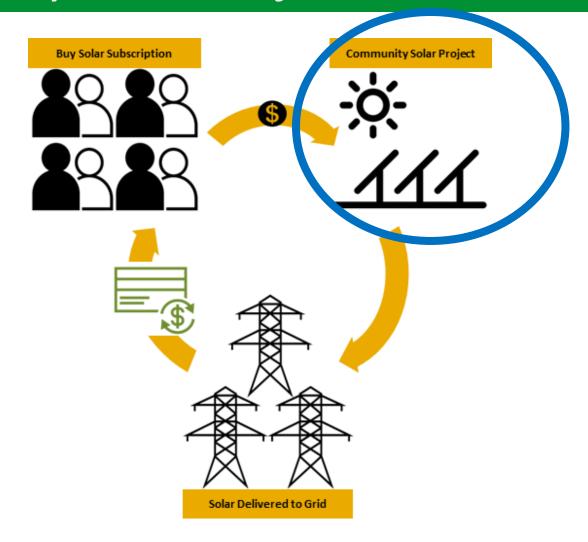


#### **Community Solar**



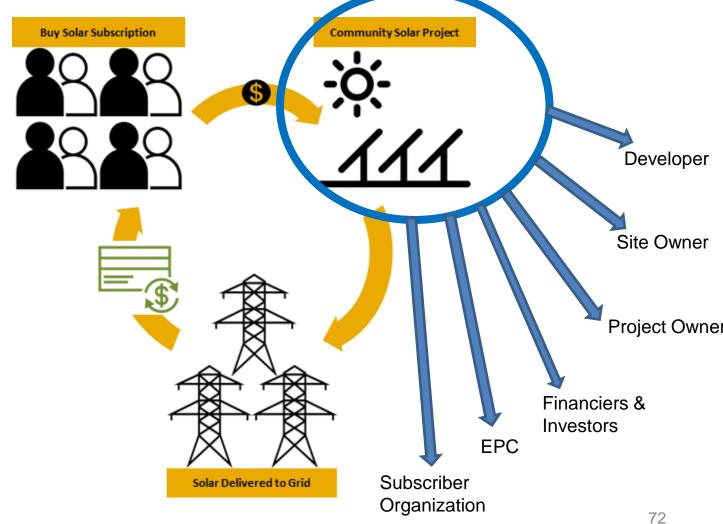


#### Community Solar Projects





#### Participating in Community Solar





# Options for moving forward

## Potential role of government or business entities:

- Become an "anchor" subscriber for a community solar project.
- Provide land/rooftop for siting of a solar array.
- Conduct a competitive procurement on behalf of the community.

## Potential role of affordable housing:

- Become an "anchor" subscriber for a community solar project.
- Put all LMI properties into a community solar project.



# Pilot Program Characteristics

#### **Structure**

- 3-year Pilot Program
- Projects selected via an application and competitive scoring
- Application Period: April 9, 2019 September 9, 2019

#### Size

- Individual community solar project capacity limit: 5MW
- Annual capacity limit: 75MW for PY1, at least 75MW PY2&3
- Min. 10 subscribers, max. 250 subscribers per 1MW capacity

#### Siting

- Prohibition of community solar on preserved farmland
- Siting on Green Acres open space subject to DEP approval
- Preference for projects on brownfields, landfills, areas of historic fill, etc.

#### **Credit Value**

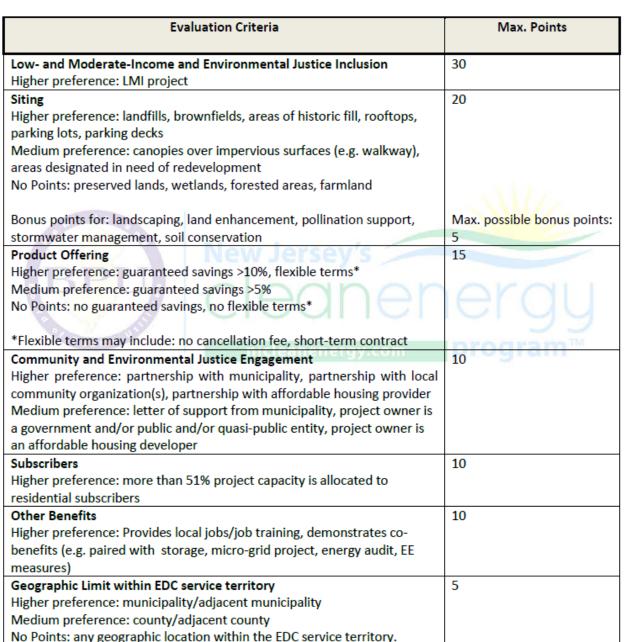
 Bill credit set at retail rate net metering, minus non-bypassable charges

#### Low & Moderate Income (LMI) Access

- At least 40% of program capacity reserved for LMI projects
- Option for further 10% reserved for LI projects

# **Application Form**

- Application Form for Program Year 1 released on March 29, 2019
  - Application Period Opened: April 9, 2019 at 9:00 A.M.
  - Application Period Closes: September 9, 2019 at 5:00 P.M.
- Application Form available at: <u>http://njcleanenergy.com/renewable-energy/programs/community-solar</u>
- FAQs available at: <a href="http://njcleanenergy.com/renewable-energy/programs/community-solar/FAQs">http://njcleanenergy.com/renewable-energy/programs/community-solar/FAQs</a>





Application Form released on March 29, 2019

Available at:

http://njcleanenergy.com/renewableenergy/programs/community-solar



# Pilot Program

## Size

- Annual capacity limit: 75 MW for Program Year 1, at least 75 MW Program Years 2 and 3
- Maximum size of individual community solar projects: 5 MW. No minimum size.
  - Minimum 10 subscribers (possible exemption for multi-
- family buildings with a community solar project located on their property)
- Maximum 250 subscribers per 1MW capacity



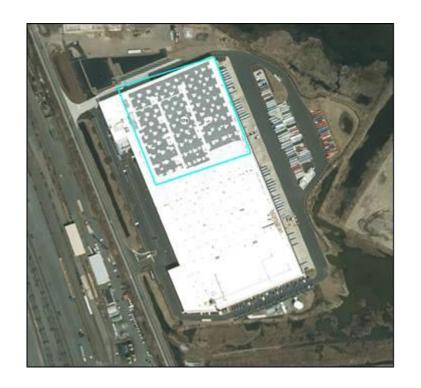
# Pilot Program

# Siting

Projects may have subscribers anywhere in the EDC service territory in which they are located, unless they have indicated otherwise in the Application to the Board.

- Prohibition of community solar on preserved farmland
- Siting on Green Acres open space subject to DEP approval
- Preference to projects on marginal or lowvalue lands (e.g. brownfields, landfills, areas of historic fill, rooftops, parking lots, ...)





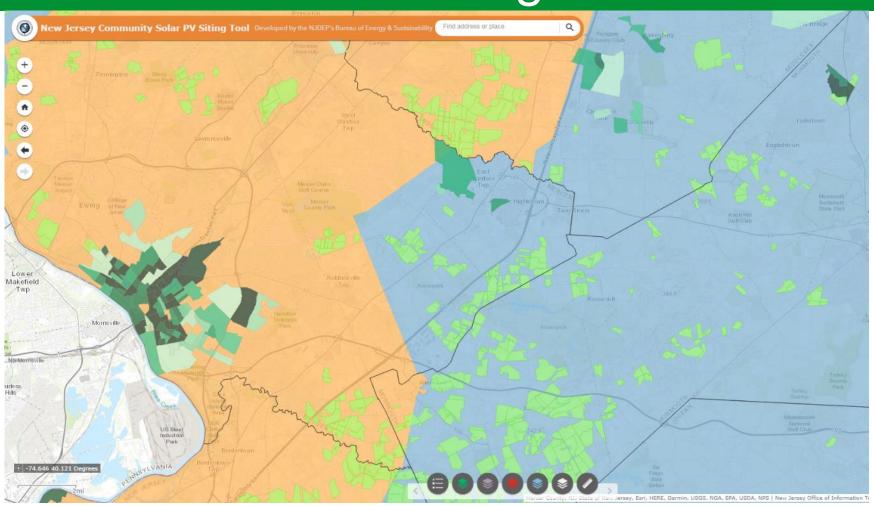


**Solar Carport Rendition** 

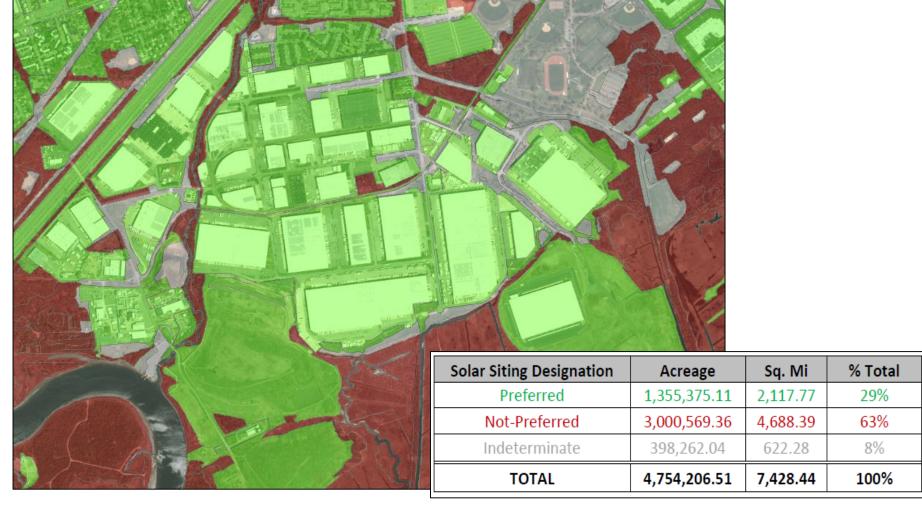


Mars Chocolate Headquarters 18-acre Solar Garden Hackettstown, NJ

# NJDEP PV Solar Siting Tool 2019



# NJDEP Solar Siting Analysis 2017 Update



## NJDEP GIS Links

- NJDEP Bureau of Energy & Sustainability PV Siting Tool: <a href="https://www.state.nj.us/dep/aqes/solar-siting.html#cstool">https://www.state.nj.us/dep/aqes/solar-siting.html#cstool</a>
- NJDEP Bureau of Energy & Sustainability GIS Webpage: <a href="https://www.state.nj.us/dep/aqes/gis.html">https://www.state.nj.us/dep/aqes/gis.html</a>
- NJDEP Bureau of Energy & Sustainability GIS Data Downloads: <a href="https://www.state.nj.us/dep/aqes/gisdownloads.html">https://www.state.nj.us/dep/aqes/gisdownloads.html</a>
- NJDEP Open Data: <a href="https://gisdatanjdep.opendata.arcgis.com">https://gisdatanjdep.opendata.arcgis.com</a>



#### FOR MORE INFORMATION

Visit: NJCleanEnergy.com

<u>http://njcleanenergy.com/renewable-</u>
energy/programs/community-solar

Contact: communitysolar@njcleanenergy.com

Stay Informed: Sign up for community solar updates by emailing

webmaster@njcleanenergy.com

@NJCleanEnergy





## Contact info

Cathleen Lewis
Outreach Coordinator
Division of Clean Energy, NJ BPU
(609) 292-0689
Cathleen.lewis@bpu.nj.gov

# NJDEP Solar Siting Tool

Ryan Gergely, NJDEP



https://www.nj.gov/dep/aqes/solar-siting.html





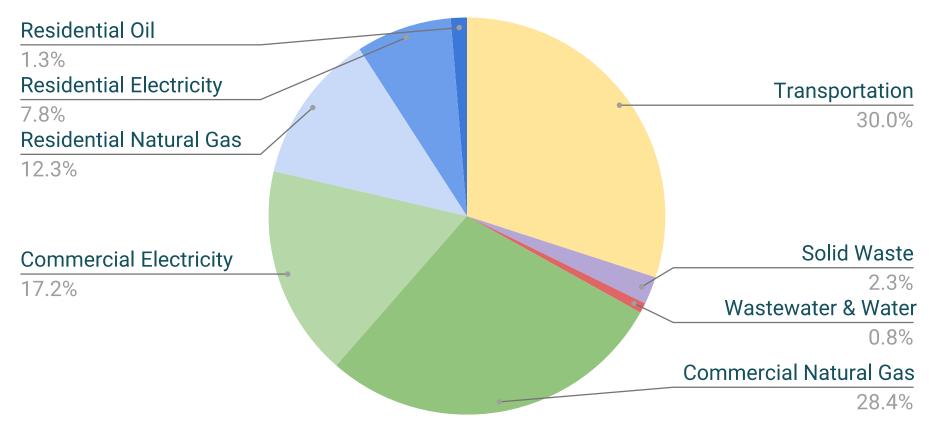
# Community Solar from the Community Perspective



Sustainable Jersey Summit June 14, 2019

## Why Community Solar for Princeton? Our Collective Emissions

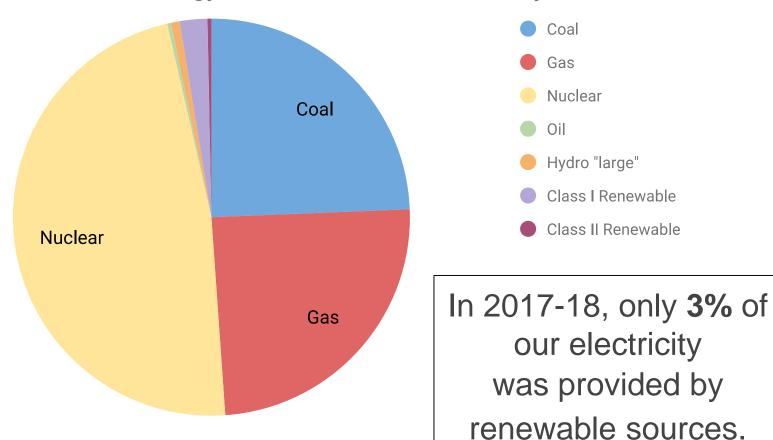
#### Princeton's Sector-Based GHG Inventory - 2017





#### Energy Use Is the Biggest Source of Emissions

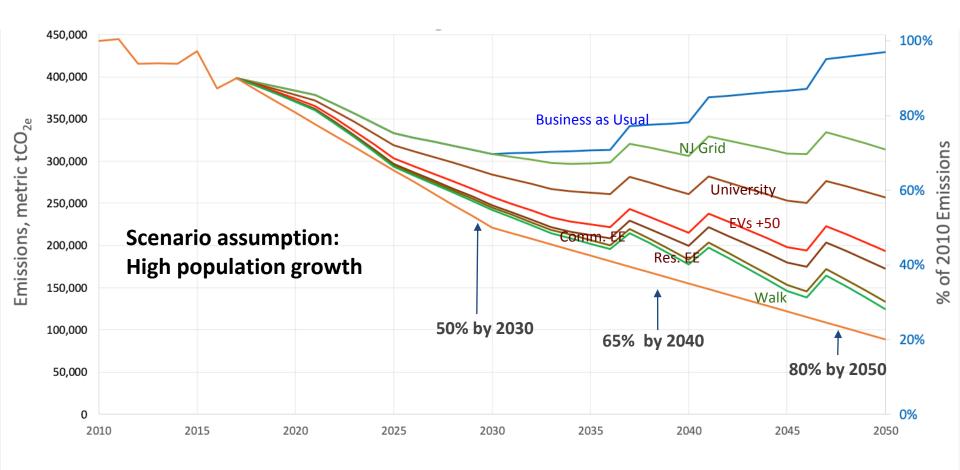
Princeton's Energy Sources June, 2018 to May 2018





Source: Environmental Information for Basic Generation Service, PSE&G. Available at: <a href="https://corporate.pseg.com/-/media/pseg/corporate/corporate-citzenship/environmentalpolicyandinitiatives/environmental\_label2018.ashx">https://corporate.pseg.com/-/media/pseg/corporate/corporate-citzenship/environmentalpolicyandinitiatives/environmental\_label2018.ashx</a>

#### We Need Many Solutions to Get to Our Goal



Princeton's Climate Action Plan has proposed an ambitious goal: Reduce greenhouse gas emissions by 80% of 2010 levels by 2050



## Why Community Solar

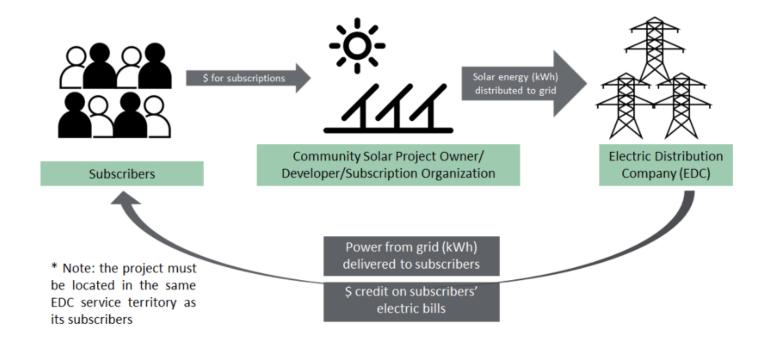
# Why do this? Financially benefits subscribers and increases renewable energy sources in the state



- Avoids the need for individual installation and individual maintenance of rooftop solar panels.
- Provides access to solar energy to renters as well as households, institutions or businesses whose roofs aren't appropriate for solar installation.
- PSE&G still maintains and operates the distribution system (wire function)



#### Understand the Conceptual Model



Community Solar brings affordable renewable energy to more customers, including low- and moderate- income and renters.

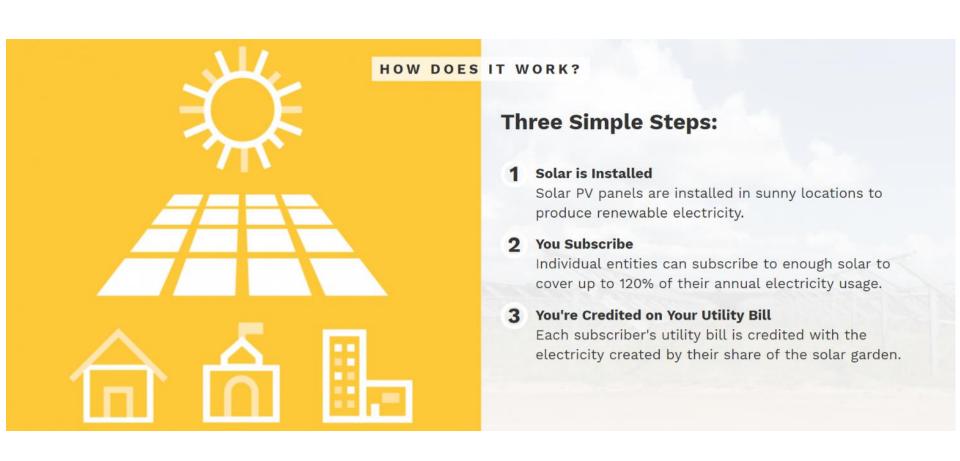


## Understand the Conceptual Model





## **Community Solar Basics**





#### **Understand Your Role**

As a subscriber, you don't have to worry about every detail. See below for key players.



**SUBSCRIBERS:** individual entities who get solar power



**DEVELOPER:** primary group organizing the solar garden



**HOST SITE:** location where solar garden is installed



**FINANCE:** sources of financing for the project



**UTILITY:** electricity provider \* where solar garden is installed



**SITE ASSESSOR:** expert that studies solar garden location



**INSTALLER:** expert that installs the solar garden



**OUTREACH PARTNERS:** groups that find subscribers



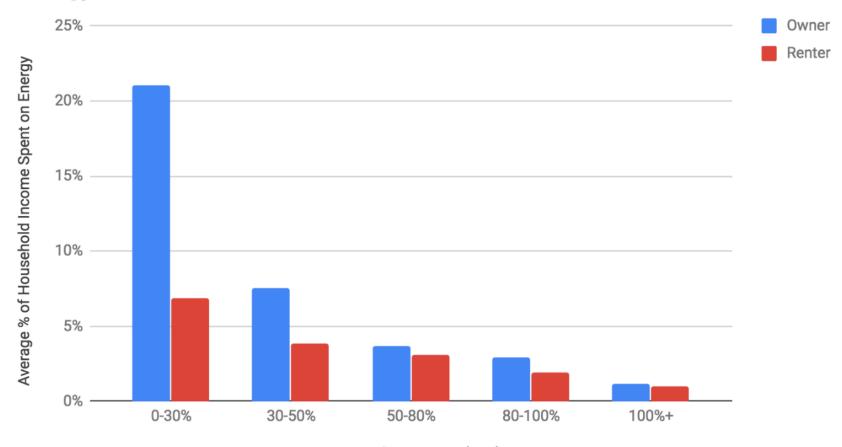
## **Understand Your Community Priorities**





#### Understand the Benefits

#### Energy Burden at each Income Level for Princeton Owners and Renters







### Understand Your Utility Provider and Siting Rules

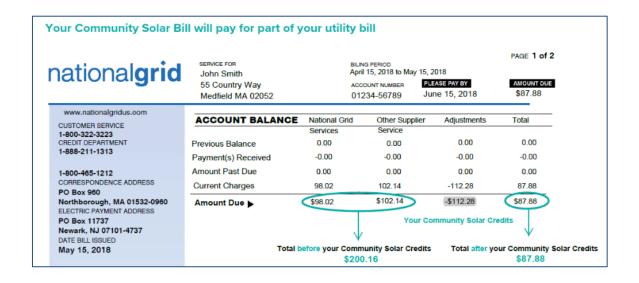
#### **Project siting**

- Projects do not need to be in the community where subscribers live
- For Mercer County residents, projects
   need to be located within PSE&G territory
- Prohibited to site on preserved farmland
- Need DEP approval for siting on Green Acres open space





#### Understand the Consumer Experience



Prior electric bill cost: \$200.16

Community Solar subscriber

Electric bill cost: \$87.88
Subscription fee: \$100.00

Final total cost \$187.88



#### Understand the Decision Makers

- Governing authority and administration
- Affordable housing agencies
- Affordable housing advocates
- Potential site hosts





### **Understand Community Roles**

#### Potential role of municipal governments:

- Become an "anchor" subscriber for a community solar project
- Provide land for construction of a solar array
- Conduct a competitive procurement on behalf of the community

#### Potential role of affordable housing:

- Become an "anchor" subscriber for a community solar project
- Put all LMI properties into a community solar project



#### **Understand Municipal Procurement Process**

#### **New Jersey**

# **Local Public Contracts Law** and **Regulation**

#### **Reference Manual**

With Related and Supporting Information

N.J.S.A. 40A:11-1 et seq. and N.J.A.C. 5:34

Current as of April 1, 2014

Prepared by: Bloustein Local Government Research Center, Rutgers, the State University and

New Jersey Division of Local Government Services



#### Understand the Your Population of LMI









#### Understand the Evaluation Criteria

Evaluation Criteria	Max. Points
Low- and Moderate-Income and Environmental Justice Inclusion	30
Higher preference: LMI project	
Siting	20
Higher preference: landfills, brownfields, areas of historic fill, rooftops,	
parking lots, parking decks	
Medium preference: canopies over impervious surfaces (e.g. walkway),	
areas designated in need of redevelopment	
No Points: preserved lands, wetlands, forested areas, farmland	- N / / /
Bonus points for: landscaping, land enhancement, pollination support,	Max. possible bonus points:
stormwater management, soil conservation	5
Product Offering	15
Higher preference: guaranteed savings >10%, flexible terms*	- 14 - 11 1
Medium preference: guaranteed savings >5%	
No Points: no guaranteed savings, no flexible terms*	
*Flexible terms may include: no cancellation fee, short-term contract	
Community and Environmental Justice Engagement	10
Higher preference: partnership with municipality, partnership with local	
community organization(s), partnership with affordable housing provider	
Medium preference: letter of support from municipality, project owner is	
a government and/or public and/or quasi-public entity, project owner is	
an affordable housing developer	
Subscribers	10
Higher preference: more than 51% project capacity is allocated to	
residential subscribers	
Other Benefits	10
Higher preference: Provides local jobs/job training, demonstrates co-	
benefits (e.g. paired with storage, micro-grid project, energy audit, EE	
measures)	
Geographic Limit within EDC service territory	5
Higher preference: municipality/adjacent municipality	
Medium preference: county/adjacent county	
No Points: any geographic location within the EDC service territory.	



#### **Understand Consumer Protections**

[NJ Clean Energy Program logo]

[Optional: Logo of community solar subscriber organization]

#### **New Jersey Community Solar Disclosure Form**

<u>Document Overview</u>: This document is designed to help you understand the terms and cost of your community solar contract. In the event that the terms in this Disclosure Form conflict with terms appearing elsewhere in your contract, the terms on this statement are controlling. Read this document and the contract carefully so that you fully understand your community solar contract. Complaints may be addressed first to your community solar provider and, if the issue remains unresolved, to the Board of Public Utilities.

CUSTOMER INFORMATI	ON	COMMUNITY SOLAR PROVIDER INFORMATION	ON
Customer Name:		Company Name:	
Address:	dress: Address:		
City, State, Zip:		City, State, Zip:	
EDC electric service territor	ory:	Contact Name:	
Phone:		Phone:	
Email:		Email:	
SUBSCRIPTION INFORM	MATION		Reference Page or Section
Subscription Size	[Fixed XX kWh/year, or XX kWh/month] [Fixed XX kW] [XX% of community solar project nameplate capacity. Total nameplate capacity [x XXX. Estimated energy produced by this % share is XXX kWh/year.] This subscription represents approximately [XXX%] of your annual historic electricity usage.		
Subscription Model	[Your total subscription cost is a one-time fixed payment of \$XX.] [Your subscription cost is a monthly fixed payment of \$XX/month.] [Your subscription cost is a variable payment of approximately \$XX/month.] [Description of other subscription model]		
Prices and Fees	(Plain language description of the price paid by subscribers per month for their subscription in \$ or \$k/kWh, and total cost per month in \$. If price includes both fixed and variable components, identify fixed and variable cost components separately. Identify any one-time charges separately, Identify any recurrent charges, and how often they are to be paid.  If price is variable or not known, include:  1) A plain language description of the method that will be used to calculate price;  2) A reasonable and good faith estimate of that price, along with a clear		
	disclaimer regard  Specify whether any charg conditions under which the provided  If there is a cost escalato	ing possible variations to that estimate, es may increase over the course of the contract, the cincrease may occur, and how much notice will be r or rate, clearly identify that escalator and provide price in three month increments from the contract	



Community Solar Subscriber Disclosure Form DRAFT

### Understand the Paths to Pursue Project Partner(s)

Municipality, Private Property Owner or Affordable Housing Provider

Enlist an Energy Agent: Assist in navigating application process and parring with a project

- Required expertise
- Experience to navigate complicated process

Step 1: BPU has a list of potential energy agents on its site; Select a few and meet with to discuss their role

<u>Consider potential developers</u>: Scope out a project (either within or outside the muni) to develop a joint application

- Potential to quickly start a project
- Array gets build in an ideal location for the community

Step 1: Issue a Request for Qualifications (RFQ) to developers

## Questions About the Path Forward?





## **Thank You!**

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