

RETI CENTER
SOLAR ONE

LOCAL POWER

A COMMUNITY SOLAR INITIATIVE





RESILIENCE
EDUCATION
TRAINING
INNOVATION

A large, bold, yellow sans-serif letter "S" with a grey superscript "1" to its upper right.

SOLARone

SOLAR1.ORG

INTRODUCTIONS

AGENDA

Background

Intro to Community Solar

Solar for Buildings Owners

153 Coffey St – first building to go solar!

Sign up to be a Subscriber

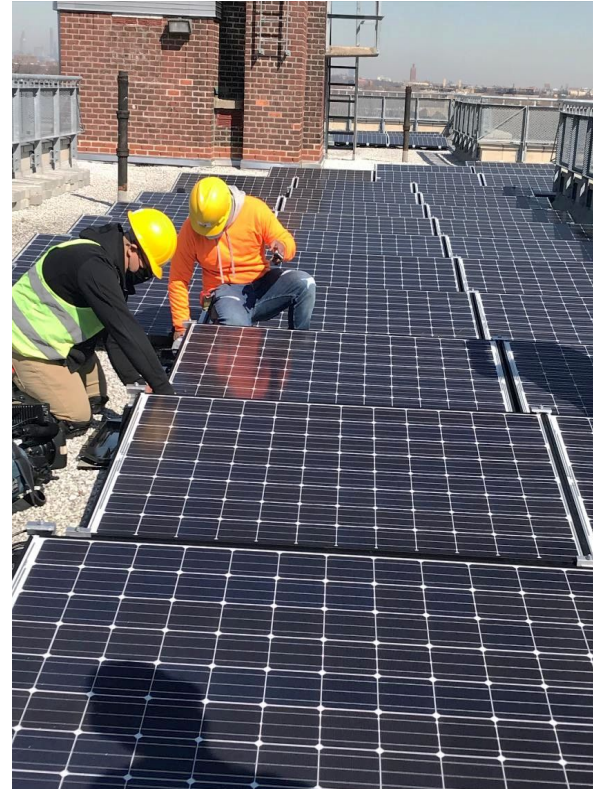
Community Visioning Session

Questions

BACKGROUND INFO

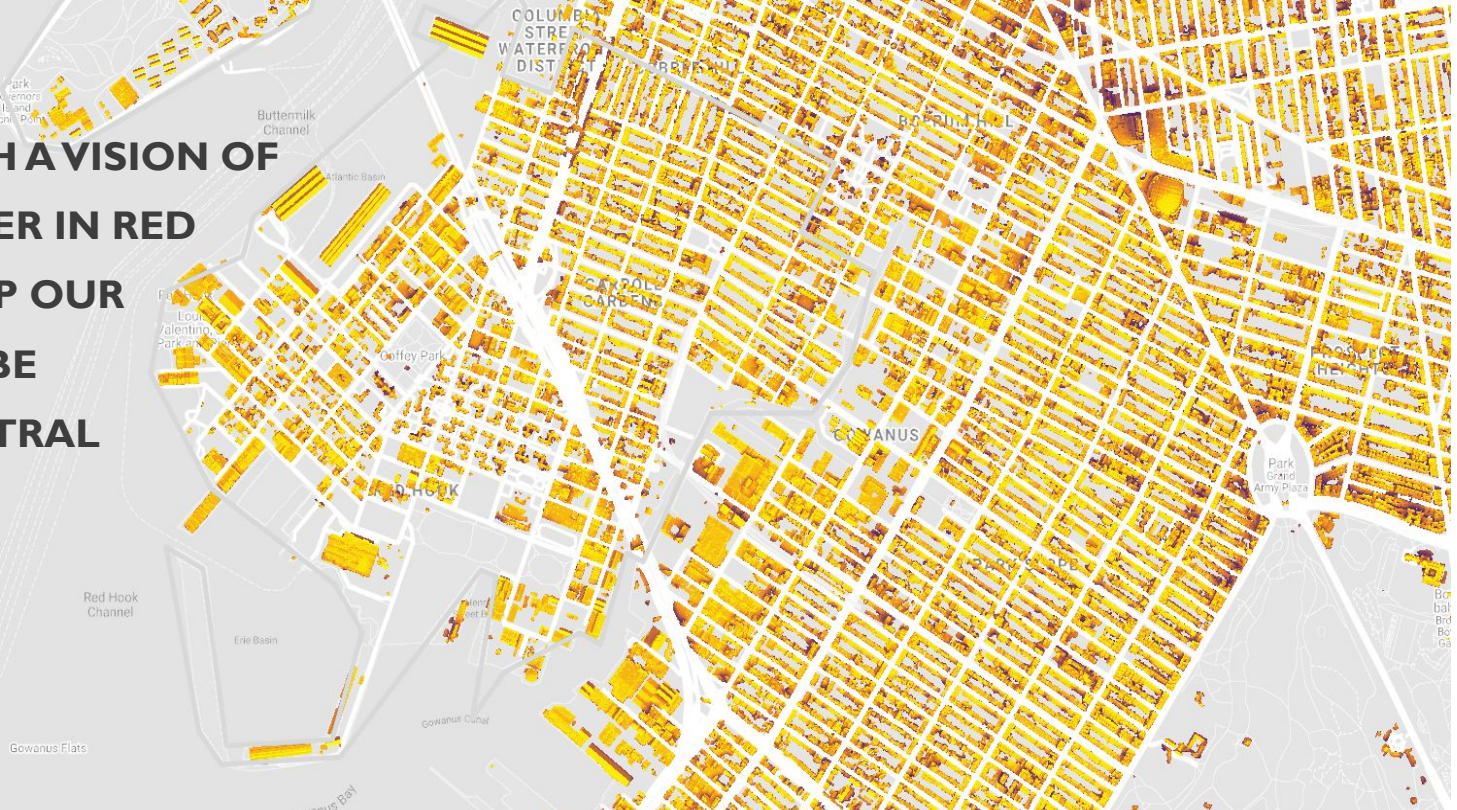
Local Power is developing community solar energy projects to provide savings and low carbon energy.

- Continuation of Red Hook and RETI Center's community resiliency work
- Must benefit affordable or low-income housing
- Partnered with Solar One's Here Comes Solar team to provide solar technical assistance
- Received funding from NYSERDA for solar "pre-development"
- Includes all technical feasibility work for solar energy



CONNECTION TO RETI / RED HOOK'S COMMITMENT TO A LOW-CARBON FUTURE

**STARTED WITH A VISION OF
3MW OF POWER IN RED
HOOK TO HELP OUR
COMMUNITY BE
CARBON NEUTRAL**



CONNECTION TO PREVIOUS PROJECTS + GOALS

Local Power is developing community solar energy projects on local buildings.

- Red Hook NY Rising process, 2013 established a set of community goals for resilience, post Super Storm Sandy including a low-carbon future
- Red Hook Community Microgrid Project, outlined a starting point to be creating decentralized large scale solar arrays
- Workforce training and entry level / jobs with growth opportunities to be a critical need for Red Hook

DESIRED OUTCOMES



- Secure commitments from local building owners to install solar
- Engage the community (that's you!) as subscribers to the solar projects
- Create workforce training and employment opportunities for low-income residents through RETI Center's workforce training program

slido



Join at slido.com
#11231

① Start presenting to display the joining instructions on this slide.



What other community benefits should this initiative include?

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POLL

What other community benefits should this initiative include?

- Solar workforce training
- EV charging
- Higher savings for low-to-moderate income households
- Creation of a community fund for a low-carbon future
- Other?

INTRO TO COMMUNITY SOLAR



NOT EVERYONE CAN INSTALL SOLAR

Unsuitable Roofs



Lack of Ownership



Too Expensive



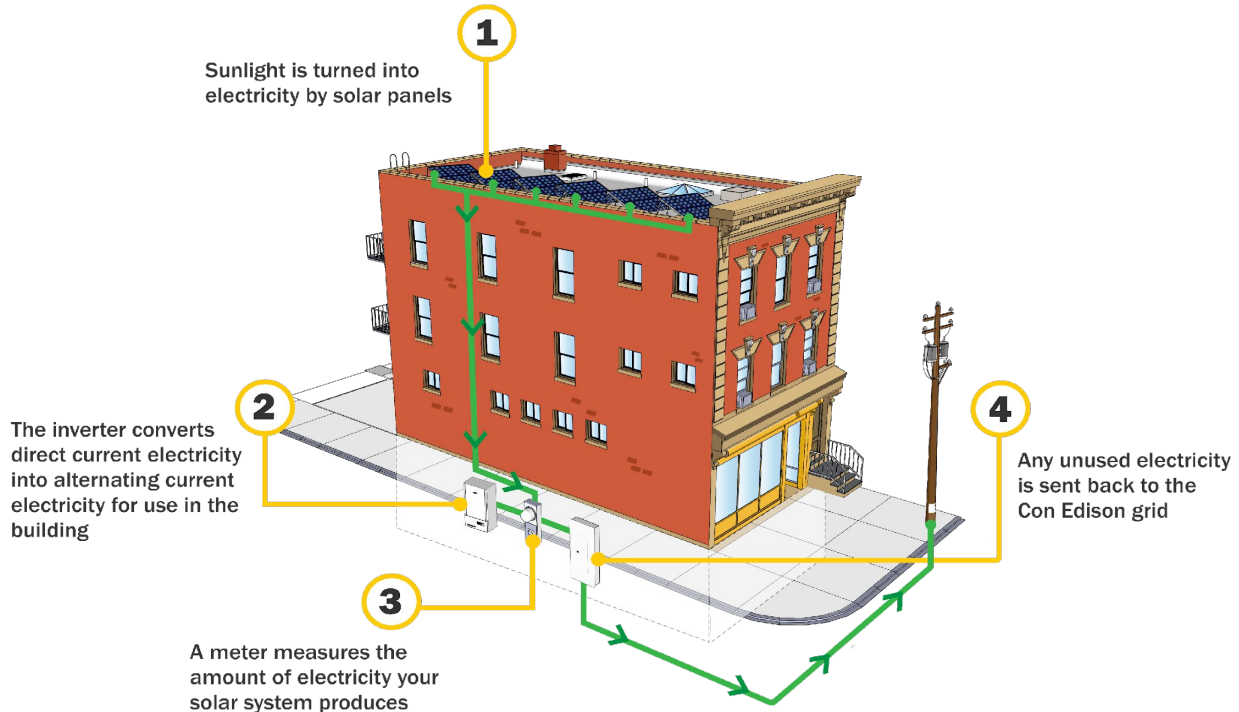
While solar adoption is growing rapidly many New Yorkers still face barriers to participating in and benefiting from solar, that's where community solar comes in.

WHAT IS COMMUNITY SOLAR?

A form of solar energy that allows individual households to join a single, shared solar energy system and reduce their energy bill through solar credits



HOW SOLAR WORKS



HOW DOES COMMUNITY SOLAR WORK?

I. Community Solar System

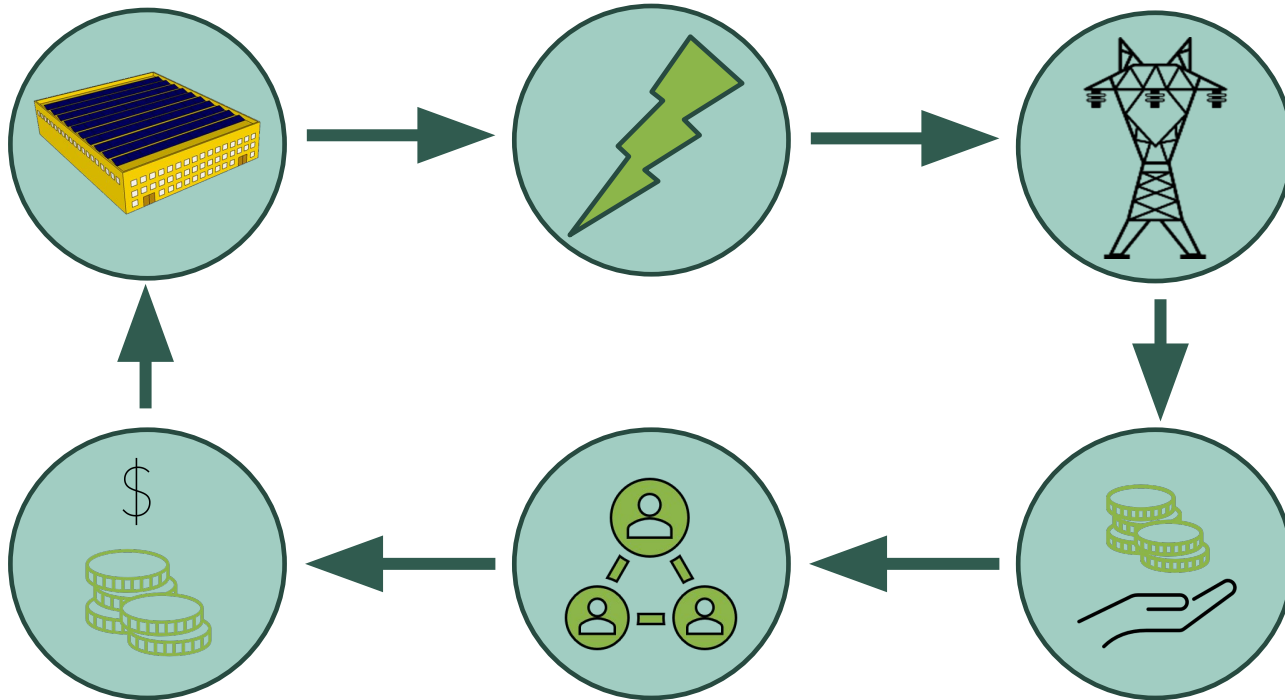
Electricity

2. Utility

3. Solar Credits

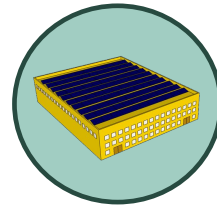
4. Savings

Subscribers



I. SOLAR PANELS PRODUCE ENERGY

Each month, the solar panels located in the community will produce solar energy



2. Solar Energy is sent to Con Edison



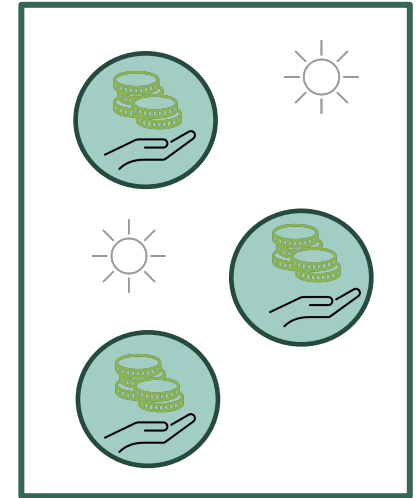
The solar energy is sent to the Con Edison grid. In return, Con Edison calculates the value of the solar energy and converts it to Solar Credits.



Community Solar System



Con Ed Grid



Solar Credits

3. Credits on your Con Edison Bill



Every month, you will receive a solar credit on your bill that will show up as an “adjustment”

Your billing summary as of Jun 26, 2018

Your previous charges and payments

Total charges from your last bill	\$52.92
Payments through Jun 22, thank you	-\$52.92
Remaining balance	None

Your new charges - details start on page 2
Billing period: May 24, 2018 to Jun 25, 2018

Electricity charges - for 32 days	\$150.00
Adjustments	-\$10.00
Total new charges	\$140.00
Total amount due	\$140.00

Net: Consolidated Bill

\$150 Electric Charges

(\$100) Solar Credit

+
\$90 Subscription Fee @90% of Credit

**\$10
“Net Credit”**

\$140 Due to Utility

4. Savings

Receive 10% savings every month because you only pay for 90% of the credits. The adjustments on your Con Edison bill are your monthly savings



Your billing summary as of Jun 26, 2018

Your previous charges and payments

Total charges from your last bill	\$52.92
Payments through Jun 22, thank you	-\$52.92
<hr/>	
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<hr/>	
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Why Community Solar?

Traditional Solar

- You have to pay for the solar energy system
- The roof needs sufficient space for solar panels
- The economic and environmental benefits go directly to the building owner or homeowner
- You have to be the homeowner or building owner
- The solar installation is a long-term commitment



Community Solar

- There is no upfront cost to participate in a community solar project
- The solar energy system is not installed on your roof, but elsewhere in NYC
- The benefits are shared between the community solar participants
- Anyone who pays a Con Edison bill can participate, even renters
- You can leave the community solar program anytime without cancellation charges.

POLL

Does developing community solar sound like a good way to increase access to renewable energy?



What benefits interest you most about community solar?

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SOLAR FOR BUILDING OWNERS



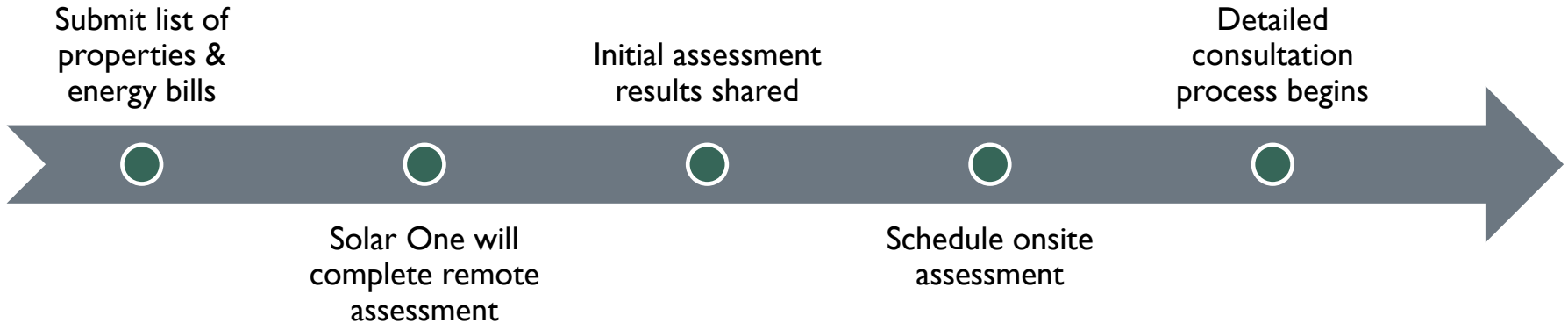
SOLAR BENEFITS FOR YOUR BUILDING OWNERS

- No cost installation and financial benefits, including:
 - Lease payment or system ownership
 - NYC Property Tax Abatement, income tax credit
 - Local Law 97 compliance
- Low-maintenance, reliable technology
- Clean, renewable energy
- Community co-benefits
 - Energy Savings
 - Workforce
 - Ownership/Governance
 - Lowering subscriber's carbon footprint



NEXT STEPS FOR BUILDING OWNERS

1. Interested building owners can submit their list of building addresses and energy bills (if available) to info@reticenter.org
2. Local Power will complete the free remote site assessment



POLL

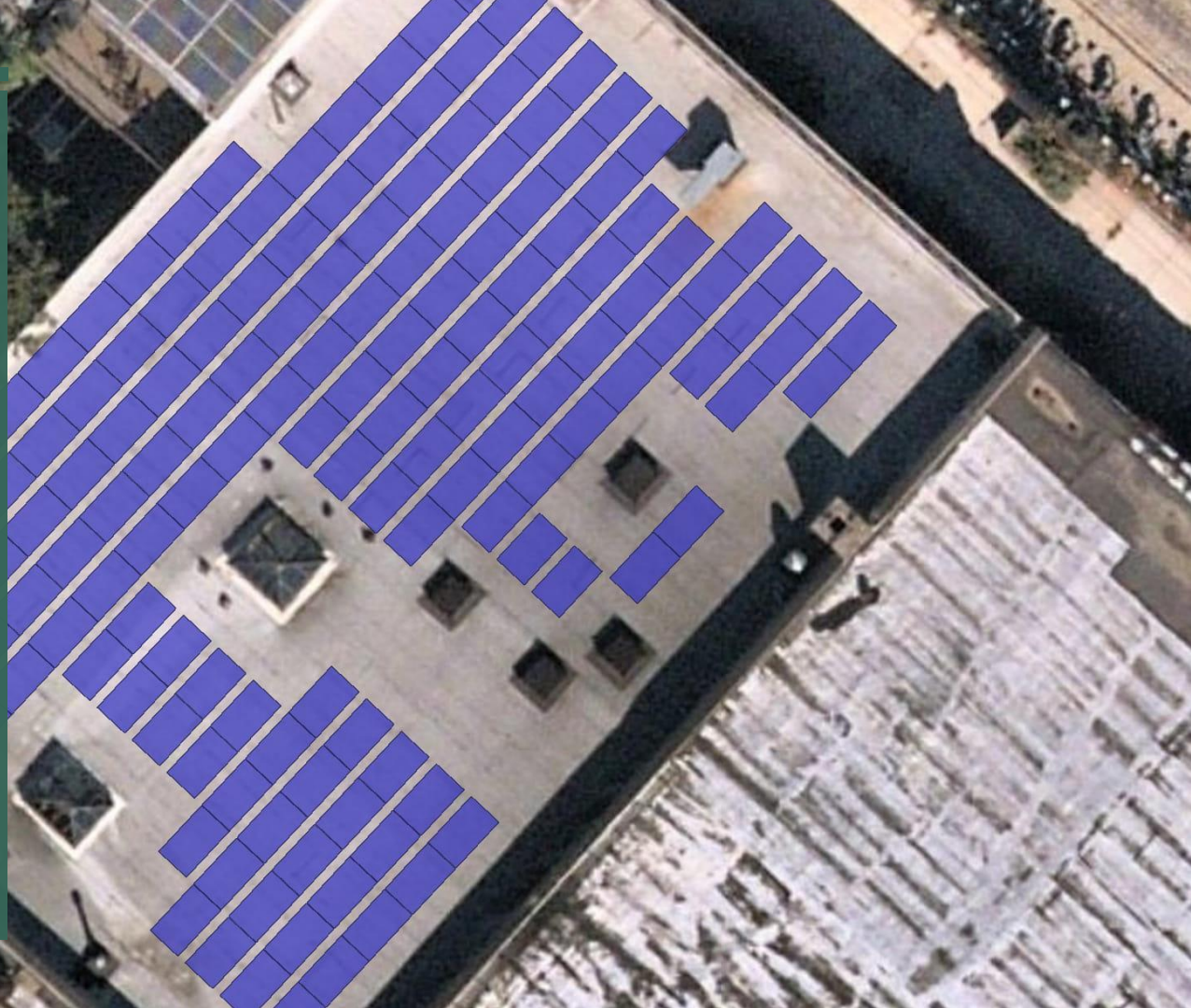
What percentage of a community solar system should be allocated to the community? Should there be a minimum requirement of each site that's developed?



What percentage of a community solar system should be allocated to the community?

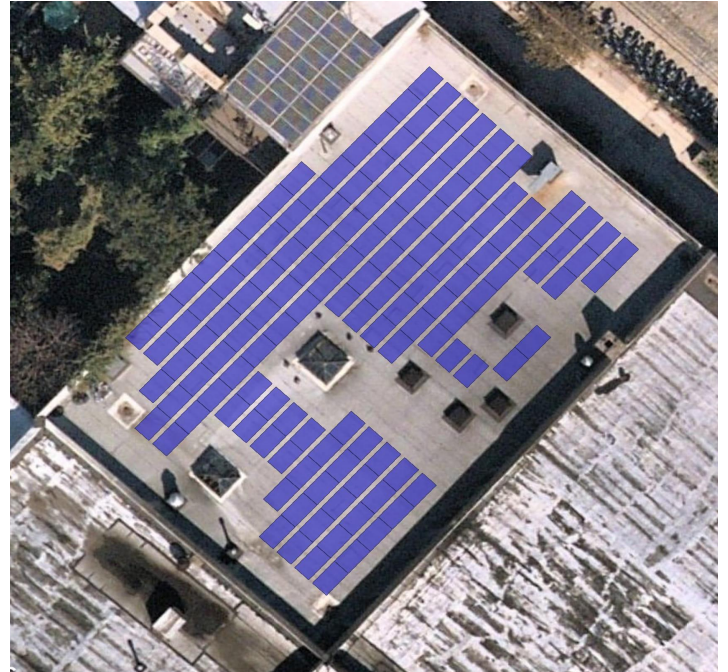
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153 COFFEY
STREET



153 COFFEY STREET – FIRST BUILDING GOING SOLAR WITH LOCAL POWER!

- 50 kW of solar on the roof
- Building owners will receive a roof lease payment and property tax abatement
- Owned by Sunwealth, a mission-driven solar finance company
- Released RFP and selected SunKeeper to provide installation, begins spring 2023



153 COFFEY STREET – BENEFITS TO THE COMMUNITY

Production	Generate 57,305 kilowatt hours of clean, renewable energy
Offset	Offset 32 metric tons of carbon emissions and eliminate other harmful air pollutants
Provide	Provide \$10,315 in utility bill savings to low-income residents of the local community
Support	Support clean energy jobs and catalyze Local Power's Community Solar initiative

POLL

For future community solar projects, how important is community ownership to you?

An aerial photograph of a multi-story brick building with a flat roof. The roof is covered with numerous solar panels arranged in neat rows. A person is visible on the roof near a set of stairs. The building has many windows and is surrounded by green trees and other buildings in the background.

SIGN UP TO BE
A SUBSCRIBER

COMMUNITY SOLAR ALLOWS SOLAR ENERGY TO BE ACCESSIBLE TO *EVERYONE IN NYC*

Estimated \$100 savings a year

- ✓ Free to sign up
- ✓ Cancel anytime, no fees
- ✓ 12-month term
- ✓ Auto-renewed contract
- ✓ It moves with you if you move within NYC
- ❖ Helps fight climate change
- ❖ Support job creation and clean energy production

WHAT IT MEANS TO BE A SUBSCRIBER TO A PROJECT NOW

- Get on the waitlist – first come, first serve for projects
- 10% discount off your Con Ed bill every month
- Contracts will be offered in Q1 2023 to secure your account
- See savings by Summer 2023

Discussion:

Are you ready to sign up for community solar, why or why not?

What concerns, if any, do you have?

COMMUNITY VISIONING SESSIONS





SHARE OUR THOUGHTS

We'd like to gather resident input for future projects, so thank you for your initial input during this event.

We'll send a follow-up survey with a few more questions so there will be more opportunities to provide feedback and input.

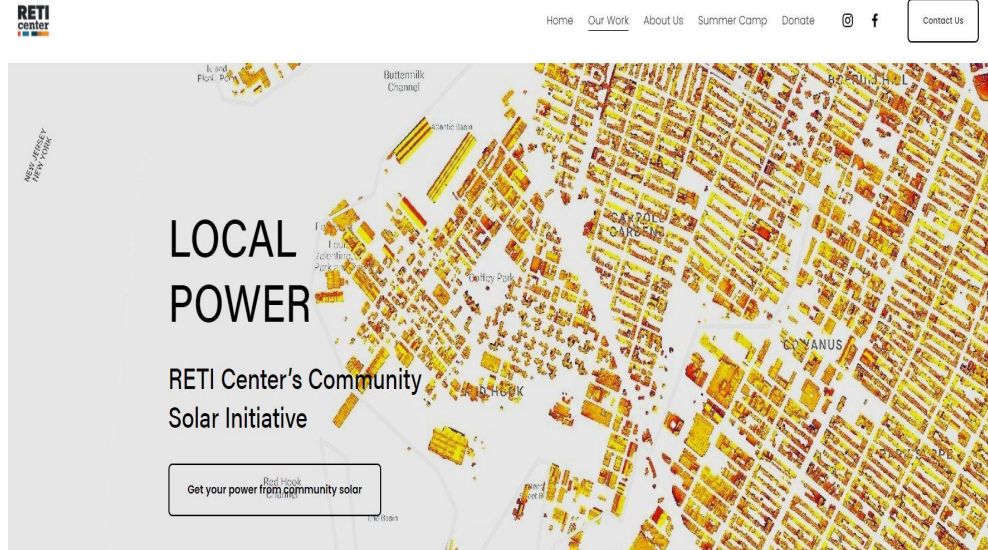
QUESTIONS?

Contact Info

RETI Center – info@reticenter.org

Visit our website to learn more

<https://www.reticenter.org/communitysolar>



The screenshot shows the top navigation bar of the RETI Center website. The logo is on the left, and the navigation menu includes 'Home', 'Our Work', 'About Us', 'Summer Camp', 'Donate', and social media icons for Instagram and Facebook. A 'Contact Us' button is in the top right corner. The main content area features a map of a city grid with solar potential overlays in yellow and orange. The text 'LOCAL POWER' is prominently displayed in large, bold, black letters. Below it, the text reads 'RETI Center's Community Solar Initiative'. At the bottom of the map area, there is a white box with the text 'Get your power from community solar'.

ROOF RETI SOLAR TRAINING

**Are you or someone you
know interested in a career
in the solar?**

Applications for the October
2022 cohort are still open!

Learn more and apply here:

[www.reticenter.org/community
solar](http://www.reticenter.org/community/solar)

