



Independent Contractor to NYSERDA



# RUPCO Community Solar Projects for LMI Customers

Presented by the Green Jobs Green New York  
Team

May 17, 2017

# The RUPCO Mission and Vision



Independent Contractor to NYSERDA

## OUR MISSION

To create homes, support people and improve communities.

## OUR VISION

Our vision is for strong, vibrant and diverse communities with opportunity and a home for everyone.



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# RUPCO & NYSERDA Partnership



*Strengthening Homes,  
Communities  
and Lives*

- Independent contractor to NYSERDA
- Outreach to homeowners on behalf of NYSERDA
- Serve 10-County, Mid-Hudson Valley
- Nonprofit Constituency Based Organization (CBO) since 1981



**Advance innovative energy solutions that improve New York's economy and environment.**

- NYSERDA: New York State Energy Research and Development Authority, since 1975
- Manages NYS residential energy efficiency programs



# The RUPCO Team



# The Numbers



**KEEP  
CALM  
AND  
GET  
REFERRALS**

***Residential Referrals: 7,115***



# The Numbers



***Completed Energy Assessments: 2,527***



# The Numbers



**Work Scopes Approved or Completed: 618!**



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# Environmental Impacts of these retrofits

In the lifetime of the HPwES Program in our region there have been 6,546 retrofits

*www.epa.gov*



**Total Kilowatt Hours saved 4,818,737**

That's the Carbon Dioxide Equivalent 3,733 tons *(As of 12/9/16)*



8,116,257 Miles driven by an average passenger vehicle *(As of 12/9/16)*



# Environmental Impacts of these retrofits

In the lifetime of the HPwES Program in our region there have been 6,546 retrofits

*www.epa.gov*



**Total Therms of natural gas saved 2,538,637**

That's the Carbon Dioxide Equivalent 14,837 tons *(As of 12/9/16)*



32,258,636 Miles driven by an average passenger vehicle *(As of 12/9/16)*



# “Reduce then Produce”

RUPCO believes that the best way to meet the goals of the REV by 2030 as it relates to residential energy reduction goals is to promote and combine energy efficiency program like the EmPower and Home Performance with ENERGY STAR® programs with renewable energy programs like NYSun.

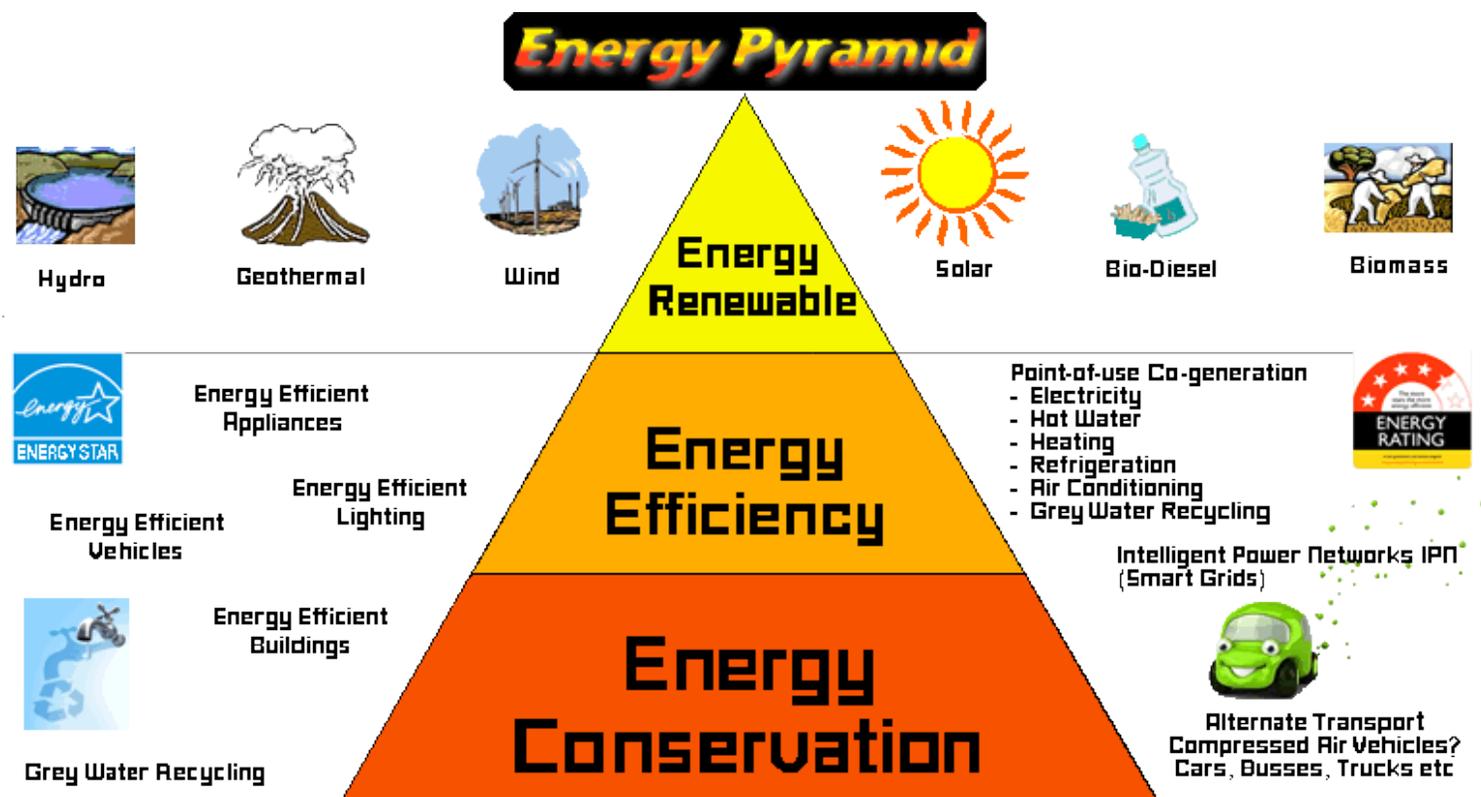
## REV Clean Energy Goals for 2030

- 40% Reduction in greenhouse gas emissions from 1990 levels
- 50% Generation of New York State’s electricity must come from renewable energy sources
- 23% Decrease in energy consumption of buildings from 2012 levels



# “Reduce then Produce”

Energy conservation and efficiency are presently the most powerful tools in the transition to a clean energy future. As shown in the Energy Pyramid, renewable energy is an important piece of our future energy, but the largest opportunities are currently in energy conservation and efficiency.



# RUPCO – GRID Alternatives Tri State LMI Solar Program

In Sept of 2015 RUPCO partnered with Grid Alternatives Tri State and the City of Kingston. RUPCO secured a grant from NeighborWorks America to provide matching funding towards these solar installs. NeighborWorks provides matching funds of around \$2,500 per installation to RUPCO for homeowners who meet eligibility criteria to work with GRID Alternatives in the installation of solar projects.



# RUPCO – GRID Alternatives Tri State LMI Solar Program Case Study Video



<https://youtu.be/1wTpJ06kU7w>



# The Point

RUPCO GJGNY is facilitating the development of a community solar project at a property owned by a nonprofit group located in Kingston, NY This could be a 1.5 MW CDG project.



# Brief Overview



## *Goals*

- To help them select a solar developer
- For the system to cover the electrical loads of their building
- To help the LMI members of this NFP reduce their energy costs



# Brief Overview



## *Goals, cont'd.*

- For the nonprofit to realize a potential revenue stream
- For market rate members to also participate
- For members of the community to have access to local, clean energy production.
- For customer to also implement energy efficiency upgrades thus maximizing the benefits of solar



# Progress to date

- Engaged several large scale commercial solar developers and received proposals that satisfied the requirements
- Assisted property owners with selecting an installer
- Coordinated a solar site study done at no cost by the Environmental Protection Agency to be used as reference
- Installer has initiated the process with the utility to define if the proposed size system can be interconnected given the existing infrastructure available at the site.



**Michael D'Arcy Program Manager**  
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**Thank**  
**You!**

**RUPCO**

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