



**NYSERDA**

# **Solar Ready Communities**

## **New NYSERDA Resources & Assistance For Local Governments**

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# New York Energy Policy

- Reforming the Energy Vision (REV) is Governor Andrew Cuomo's strategy to build a clean, resilient and affordable energy system for all New Yorkers.
- Clean Energy Standard: 50% renewable energy by 2030.
- Clean Energy Fund (CEF)
  - 10-year, \$5 billion funding commitment
  - Reshapes NY's energy efficiency, renewable energy and energy innovation programs
  - Reduces the cost of clean energy
  - Accelerates the adoption of energy efficiency to reduce load
  - Increases renewable energy to meet demand
  - Mobilizes private investment in clean energy

# NY-Sun Initiative

- Significantly expand installed solar capacity
- Attract private investment
- Enable sustainable development of a robust industry
- Create well-paying skilled jobs
- Improve the reliability of the electric grid
- Reduce air pollution
- Make solar available to all New Yorkers

## Reduce Soft Costs

Approx. \$1 Billion Total Budget



Self-Sustaining Market



Statewide Goal of 3 GW by 2023

# New York's Solar PV Incentive: The Megawatt Block Program

# NY-Sun Incentive Program: MW Block

## Three Regions:

- Con Edison (New York City and South Westchester)
- Long Island (complete)
- Upstate (Rest- of-State or ROS)

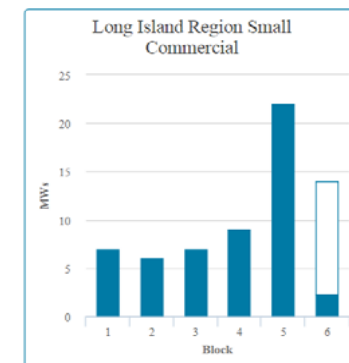
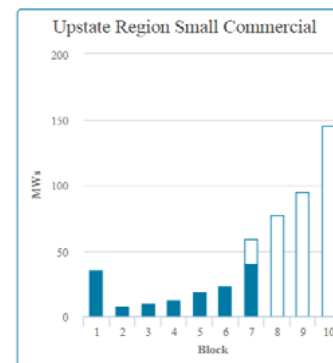
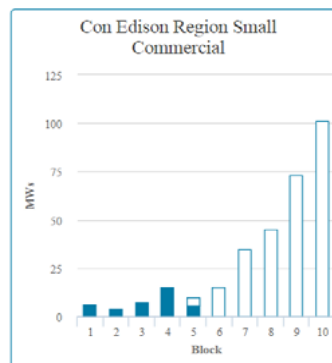
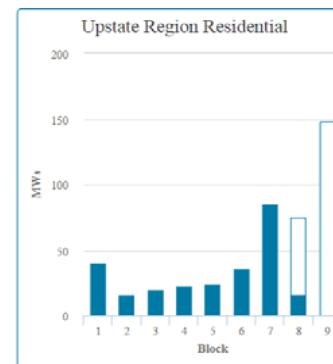
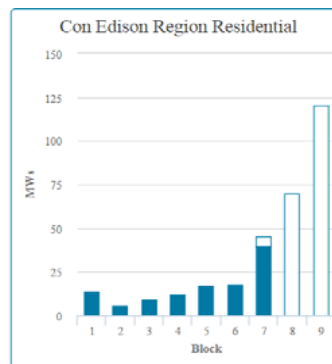
## Three Sectors:

- Residential: up to 25 kW
- Small Non-residential: up to 200 kW
- Commercial/Industrial: >200 kW

Incentive is available through Dec 29, 2023, or until funds are exhausted.

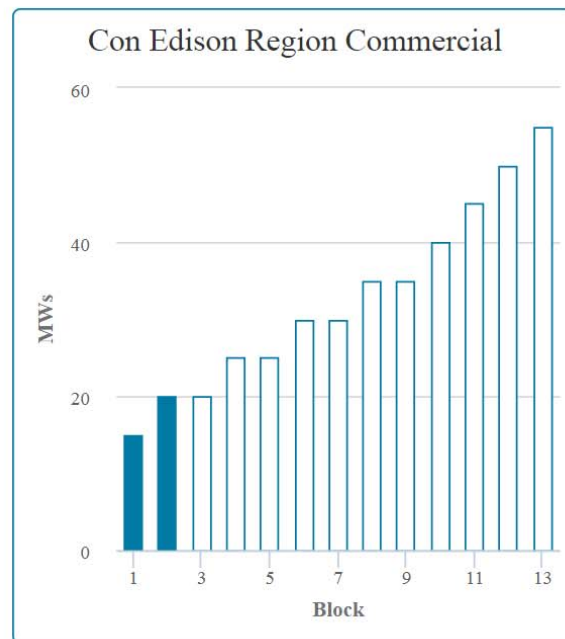
# Res/Small Commercial MW Dashboard

- Incentives step down over time as capacity goals are achieved
- Real-time dashboard provides transparency and predictability
- Incentives move separately per sector and geographic region, based on actual market activity



Data as of 2/27/2018

# Commercial & Industrial MW Dashboard



*Data as of 2/27/2018*

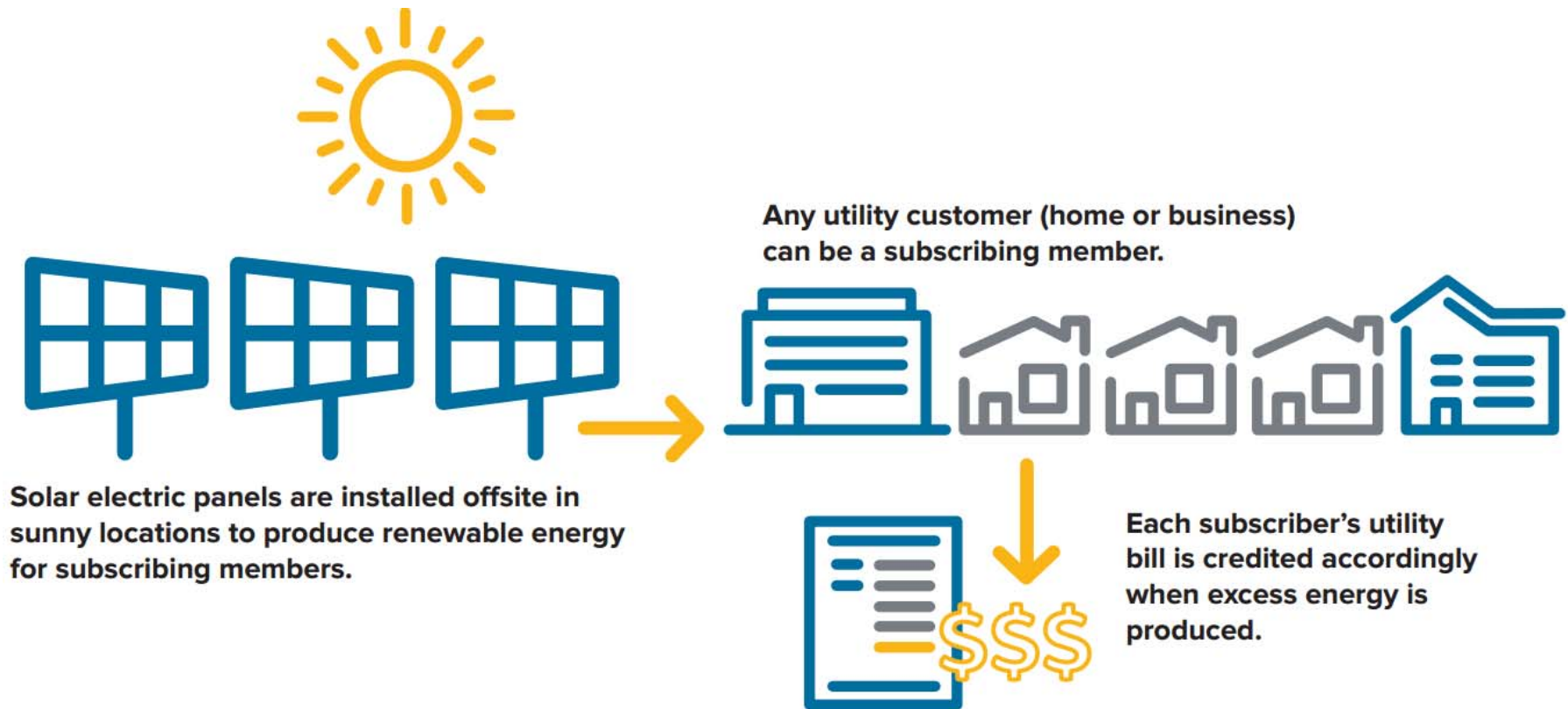
# The New York Solar Guidebook and Technical Assistance for Local Governments



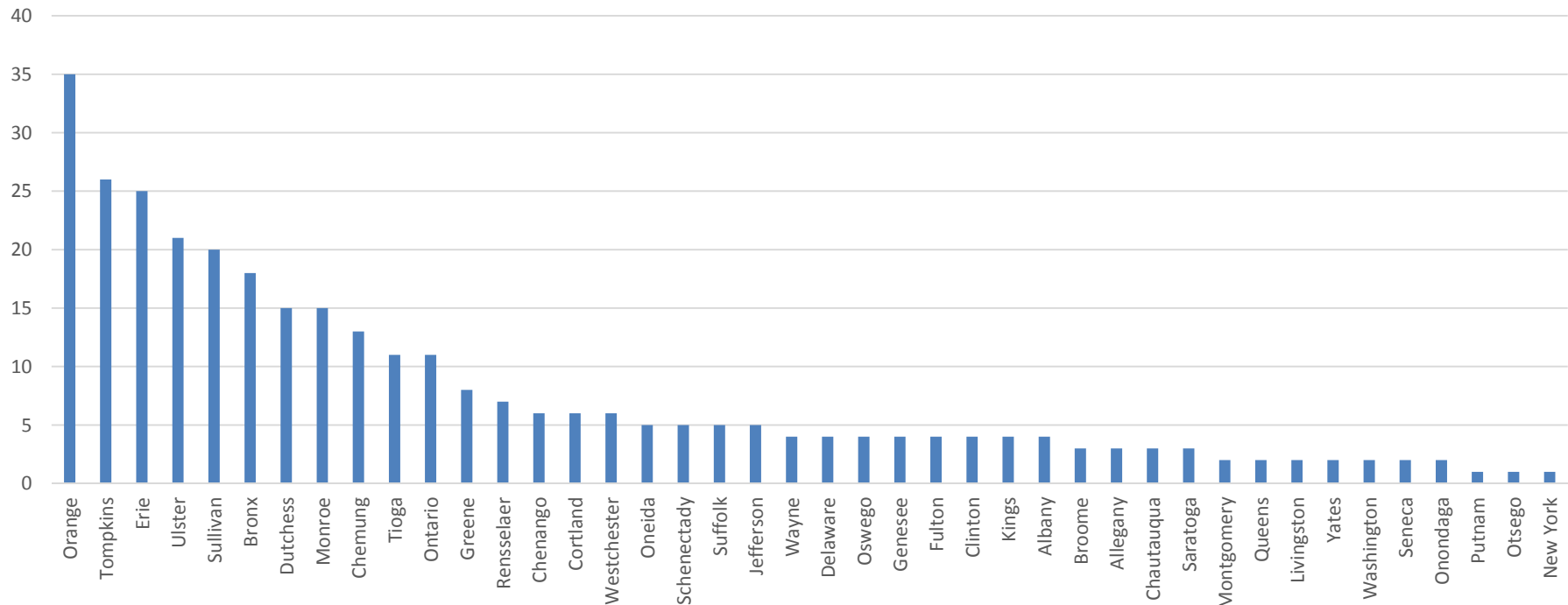
# Community Solar in New York



# Community Solar: How it Works



# Number of Proposed CDG Projects in NY



- There are proposed community solar projects in 42 counties
- Orange, Tompkins, and Erie Counties have the most proposed projects
- The average project size is about 2 MW AC

# NY Solar Guidebook for Local Government

## •Chapter 1 - Solar PV Permitting and Inspecting in NYS

- Assists jurisdictions to streamline the solar permitting and inspection process.

## Chapter 2 - Roof Top Access and Ventilation Requirements

- Describes the International Residential Code and Errata amendments as adopted by New York State.

## Chapter 3 - State Environmental Quality Review (SEQR) for Large-Scale Solar Energy Systems

- Assists jurisdictions completing the SEQR process for large PV systems.

## Chapter 4 - NYS's Real Property Tax Law § 487

- Provides guidance to AHJs on property tax issues and solar systems.

**NY Solar Guidebook Website:**

[www.nyserda.ny.gov/SolarGuidebook](http://www.nyserda.ny.gov/SolarGuidebook)

## Chapter 5 - Solar Payment-In-Lieu-of-Taxes Toolkit

- Provides information and tools for jurisdictions to enter payment-in-lieu-of-tax agreements.

## Chapter 6 - Using Special Use Permits and Site Plan Regulations

- Provides a how-to manual with land use tools to site, plan, and zone projects on farmland.

## Chapter 7 - Solar Installations in Agricultural Districts

- Provides information to AHJs and developers siting PV systems in Ag Districts.

## Chapter 8 - Landowner Considerations for Solar Land Leases

- Provides guidance to landowners regarding leasing land for PV projects.

## Chapter 9 - Decommissioning Solar Panel Systems

- Provides information to local governments and landowners on decommissioning large PV systems.

# New Technical Assistance for Local Governments

## **NY-Sun offers local governments free one-on-one assistance on:**

1. Adopting a Payment-In-Lieu-Of-Taxes (PILOT) law and agreement
2. Completing the SEQR process for large solar installations
3. Planning and Zoning for Solar
  - Adopting a Model Solar Energy Law
  - Siting PV in Agricultural Districts and agricultural areas
  - Updating master plans and zoning regulations
4. Municipal Solar Procurement
5. Permitting and Inspections
  - Adopting and implementing the Unified Solar Permit
  - Technical consulting to relieve administrative burdens

# The New York Solar Guidebook Homepage

A PROGRAM OF NYSERDA



- COMMUNITIES AND LOCAL GOVERNMENTS
- Solarize Your Community
- Local Government Training and Resources
  - Solar Guidebook for Local Governments

## Solar Guidebook for Local Governments

NY-Sun created the Solar Guidebook to help local governments develop solar energy in their communities. These resources include information that empowers New York communities to support local economic growth and meet their energy goals. Communities can download the full Guidebook or access individual sections below.



**Guidebook Download:** [New York Solar Guidebook \[PDF\]](#)  
**Guidebook Overview:** [An Overview of How to Use the Solar Guidebook](#)

### Free Solar Technical Assistance for Local Governments

NY-Sun partners with local governments one-on-one to help meet their solar energy goals. Free technical assistance is available to local governments on solar zoning, property taxes, SEQR, or any other issue. Click the button below to request assistance. For questions, email the NY-Sun staff at [solarhelp@nyserdera.ny.gov](mailto:solarhelp@nyserdera.ny.gov) and we will respond within 24 hours.

[Request Solar Technical Assistance](#)

To receive information about NY-Sun, [join our mailing list.](#)

- > New York State Unified Solar Permit
- > Roof Top Access and Ventilation Requirements
- > State Environmental Quality Review (SEQR) for Solar
- > Understanding the Real Property Tax Law Section § 487
- > Payment-in-Lieu-of-Taxes (PILOT) Toolkit

*The entire Solar Guidebook is available for download here*

*Ask the NY-Sun team any question about solar by sending an email to [solarhelp@nyserdera.ny.gov](mailto:solarhelp@nyserdera.ny.gov)*

*Municipalities can request NY-Sun technical assistance here*

*Individual chapters are available here*

[nyserdera.ny.gov/SolarGuidebook](http://nyserdera.ny.gov/SolarGuidebook)

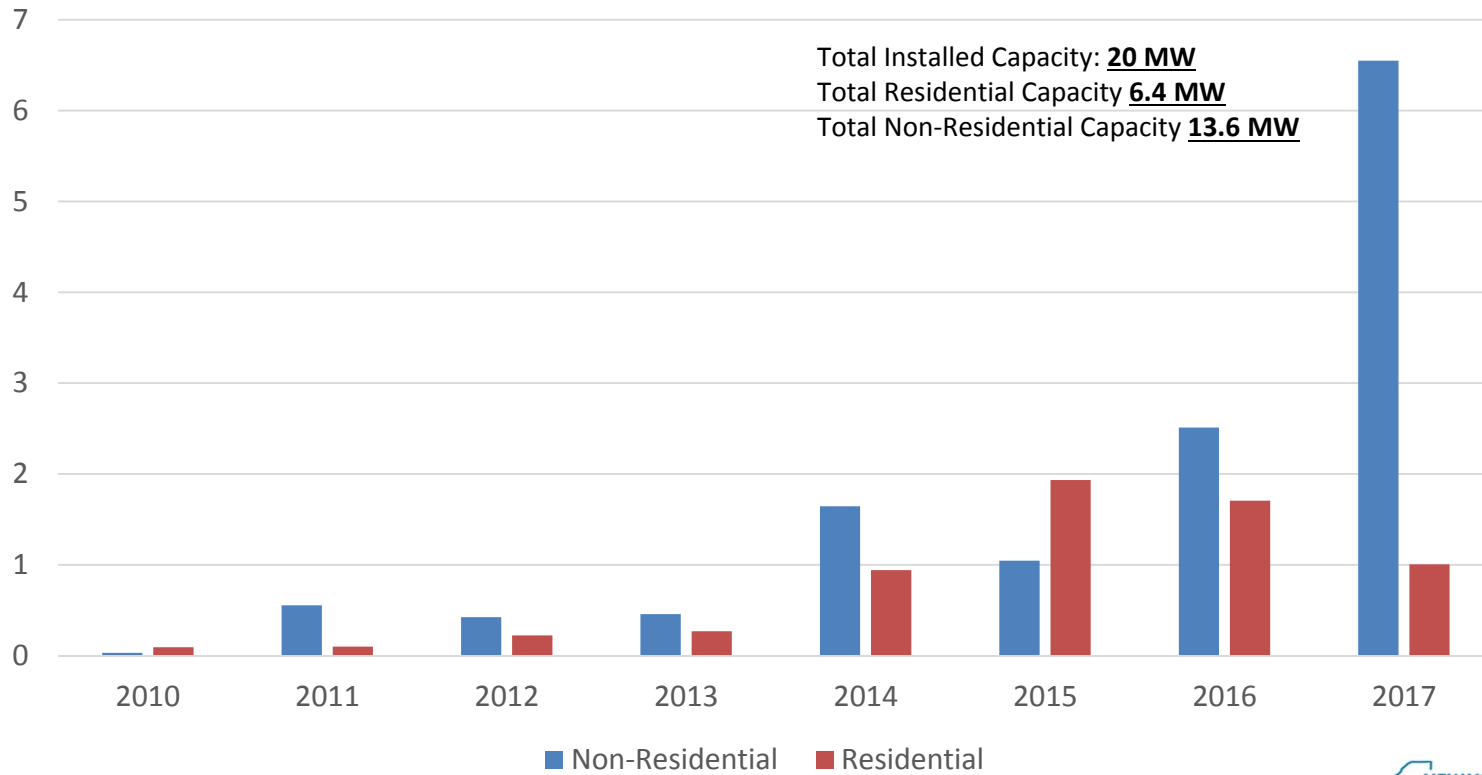


# Solar in New York State: A Progress Report

OpenNY Data as of 2/22/18



## MW Installed in Onondaga County



OpenNY Data as of 2/22/18

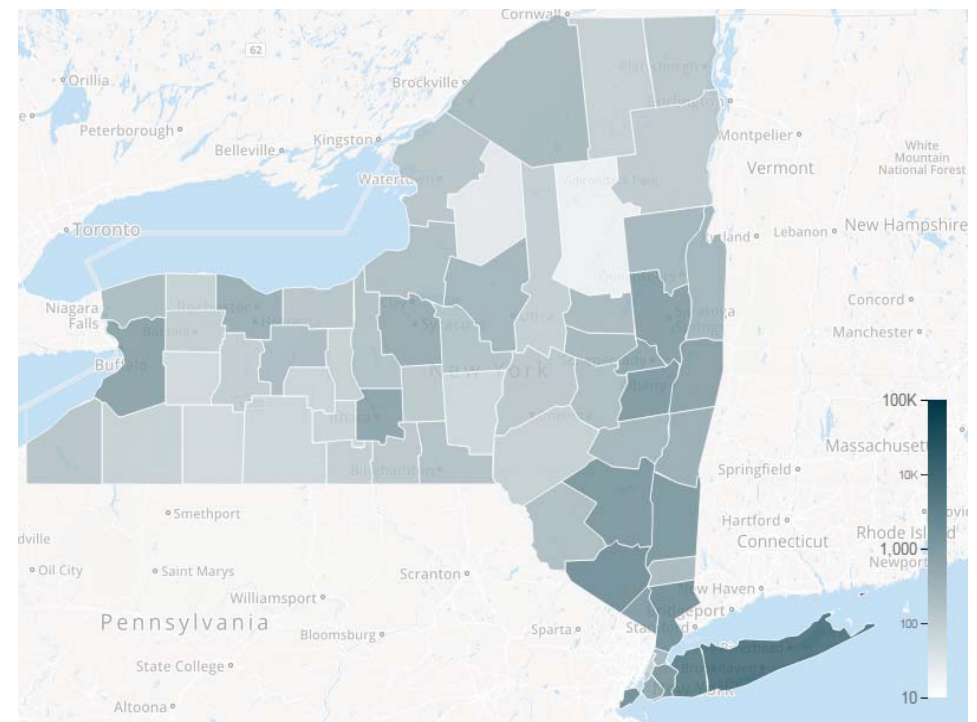


# NY-Sun Program Activity to Date

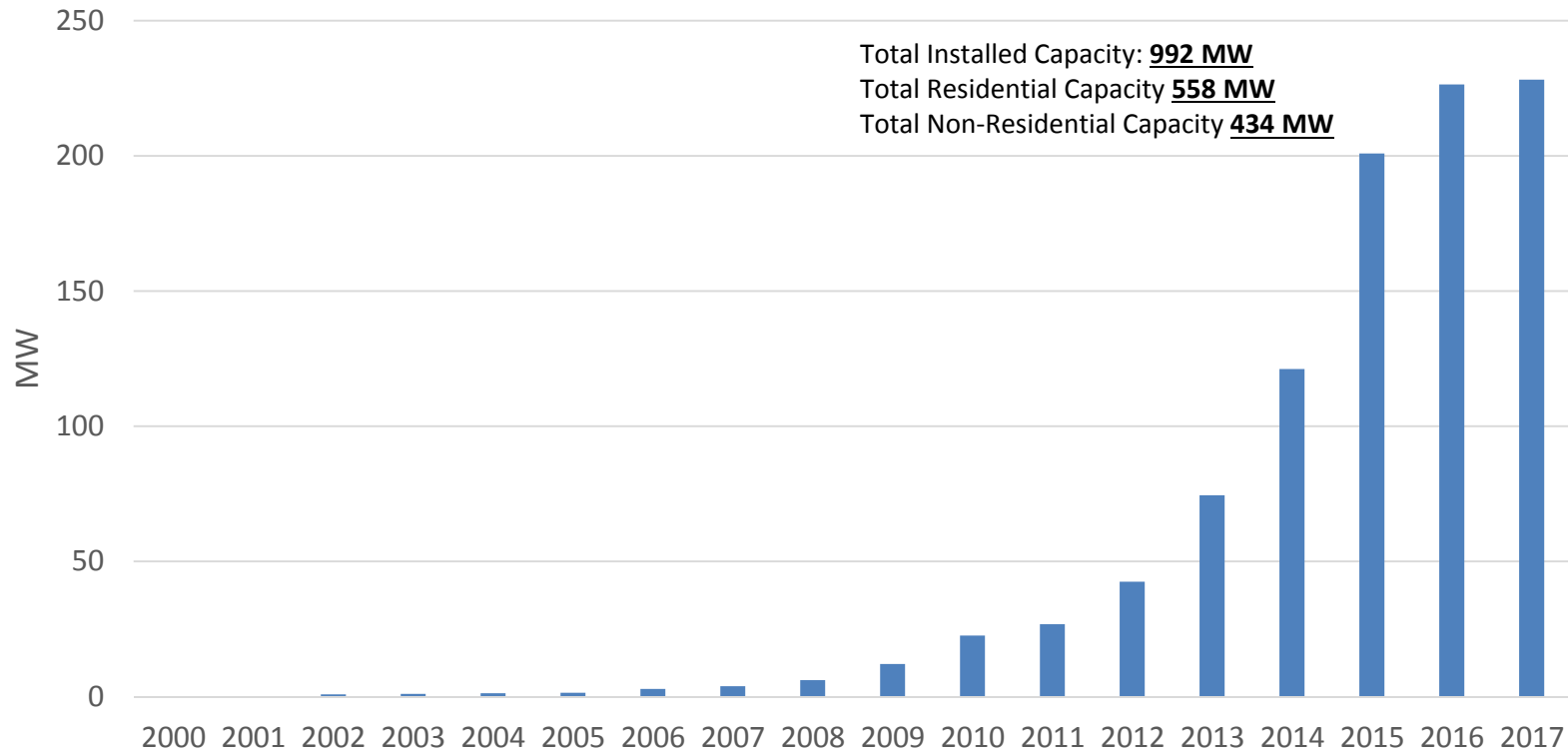
- 992 MW installed statewide with NYSERDA support
  - 558 MW of residential PV (74,184 projects)
  - 434 MW of non-residential PV (5,201 projects)
- 1,109 MW currently in NY-Sun pipeline
- Installations all 62 counties and in 1,671 different zip codes

OpenNY Data as of 2/22/18

## Completions by County



# MW Installed Statewide by Year



OpenNY Data as of 2/22/18



Thank you

For additional questions, please contact me at:

[Houtan.Moaveni@nyserda.ny.gov](mailto:Houtan.Moaveni@nyserda.ny.gov)