



NY-Sun

NY-Sun PV Trainers Network

Visual Impacts & Zoning for Solar Energy

Presented by the
NY-Sun PV Trainers Network



Your Trainer Today

Jessica Bacher

Land Use Law Center

Pace Law School

jbacher@law.pace.edu

(914)422-4262

About the PV Trainers Network

The NY-Sun PV Trainers Network aims to **lower the installation cost and expand adoption** of solar PV systems throughout the state.

training.ny-sun.ny.gov

System Components

The Grid Tied Solar Electric System

Solar Panels

Sunlight creates DC Electricity



Inverter

Changes DC Power to AC
(AC Power used in Home)

Net Metering

Excess (Unused) power turns
your meter backward and
travels back into the grid.
Utility issues credits for power
produced.

Scale



Residence
5-10 kW



Factory
1 MW+



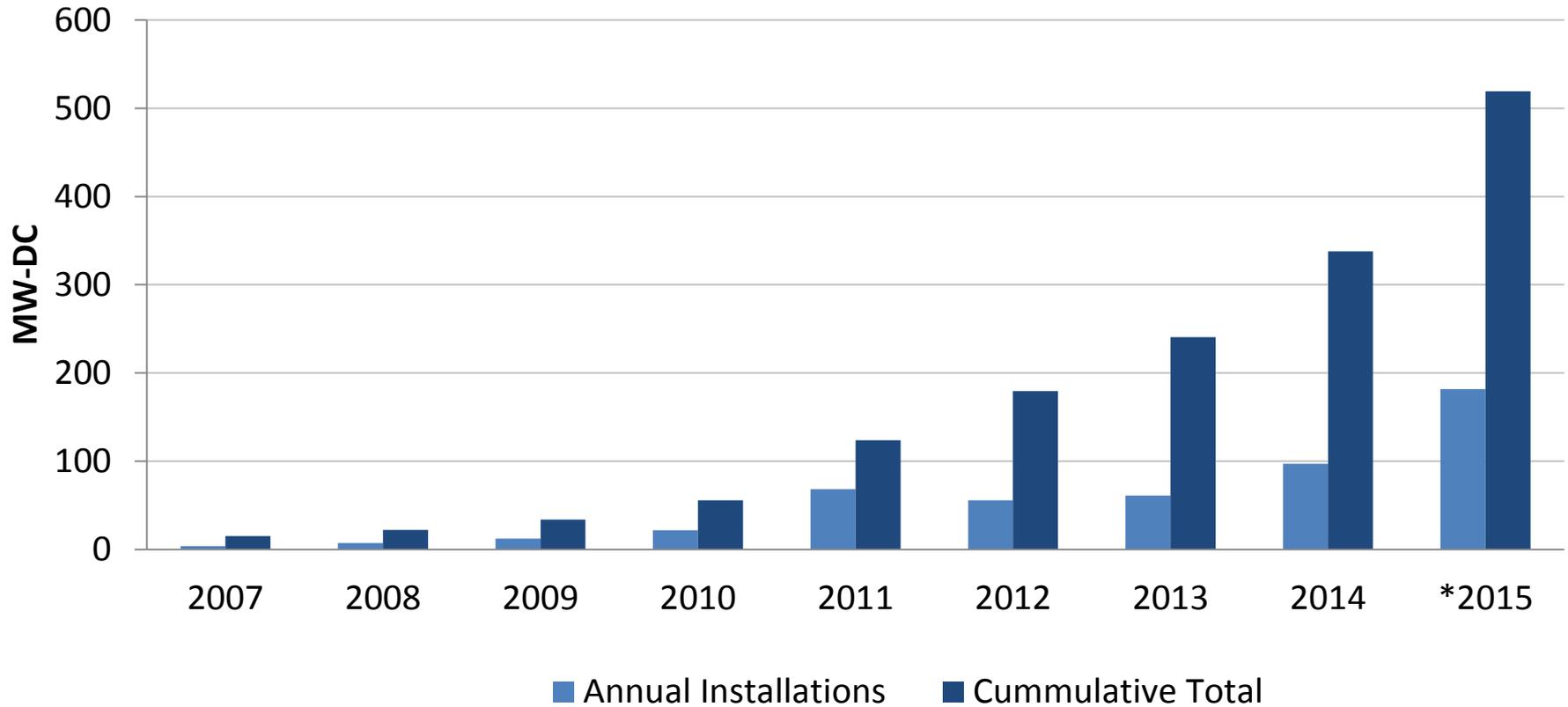
Office
50 – 500 kW



Utility
2 MW+

NY State Solar Market

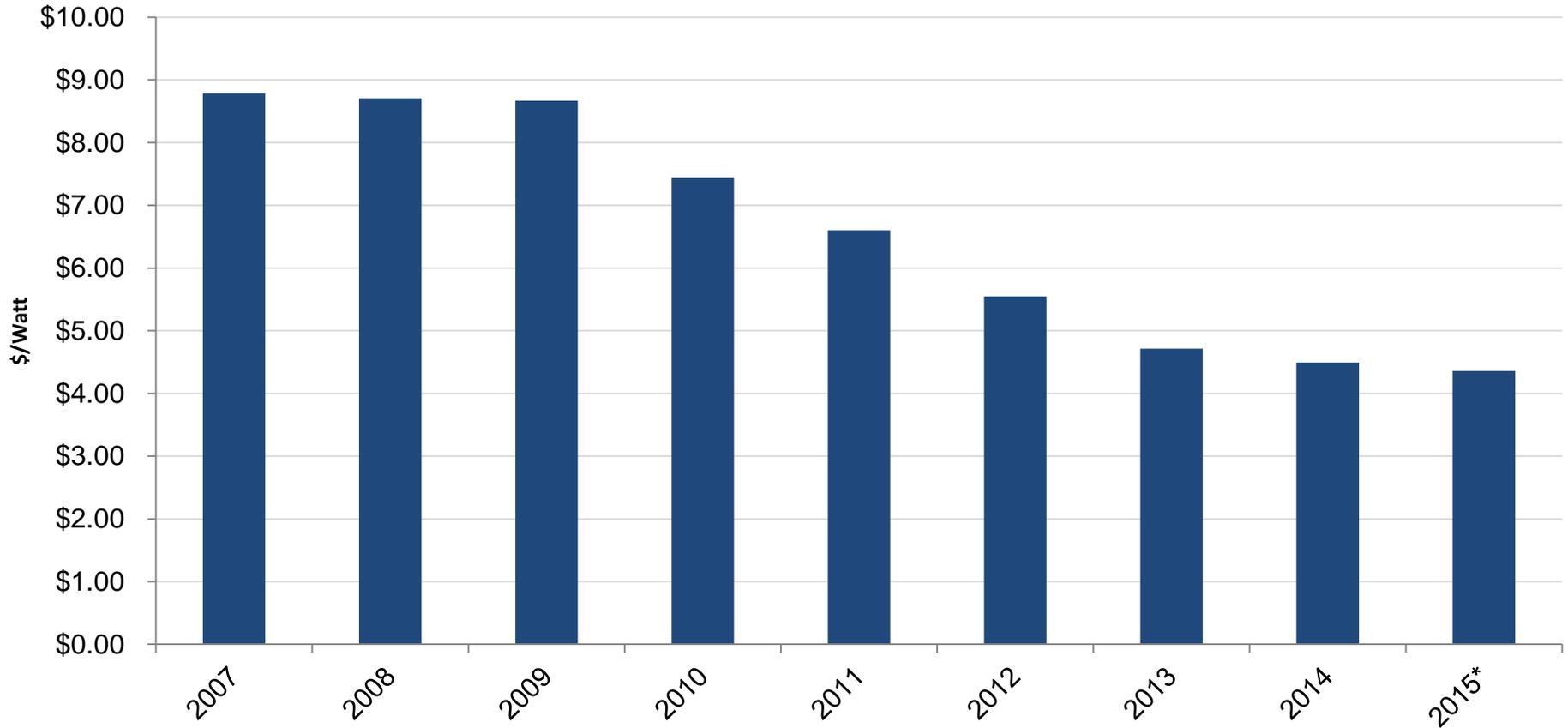
Solar PV in New York State



* 2015 figures through November 30, 2015

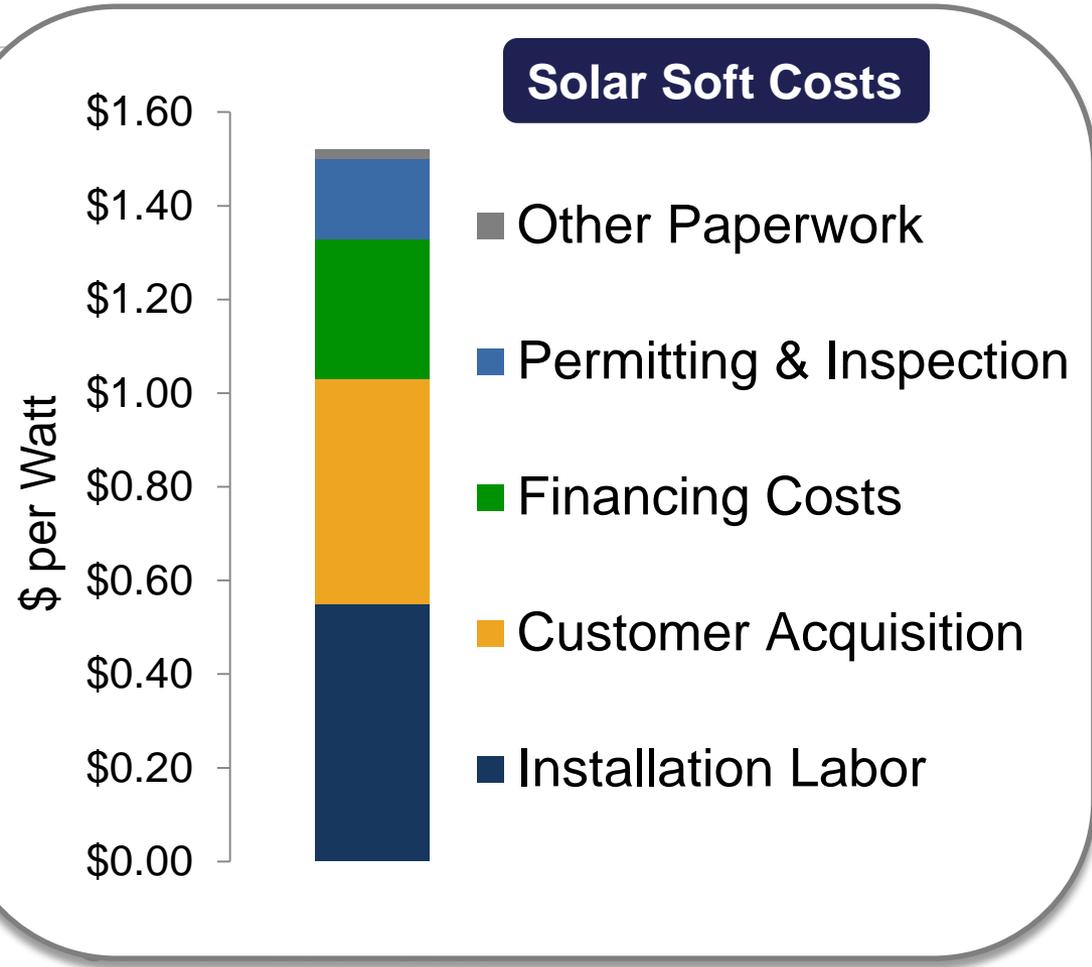
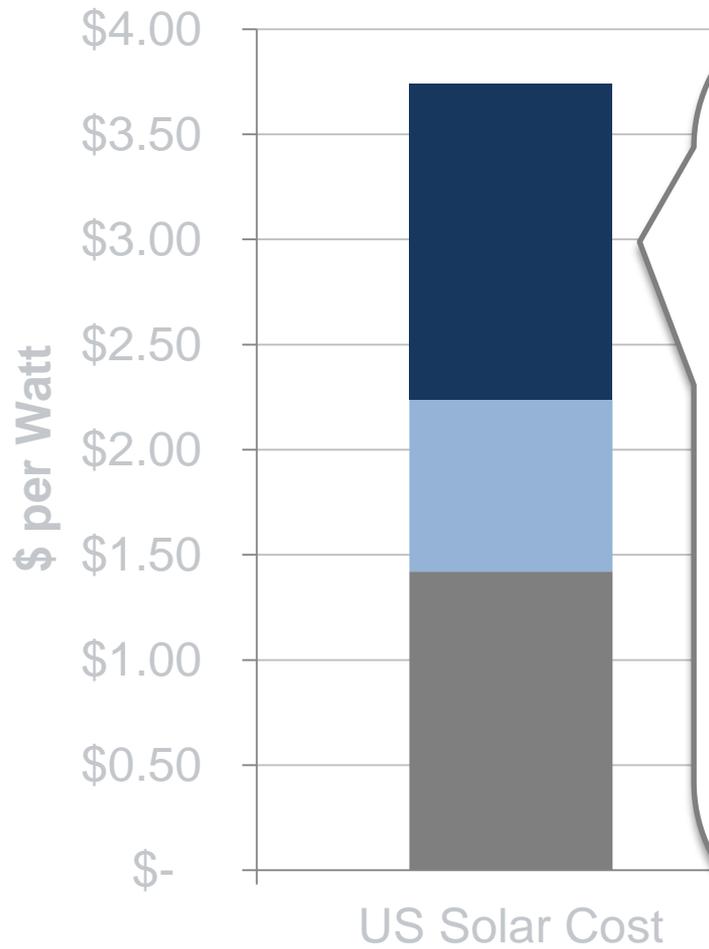
NY State Solar Market

Weighted Average Installed Cost NYS



* 2015 figures through Nov. 30, 2015

US Solar Costs



Net Metering

Net metering allows customers with PV to export power to the grid during times of excess generation, and receive credits that can be applied to later electricity usage



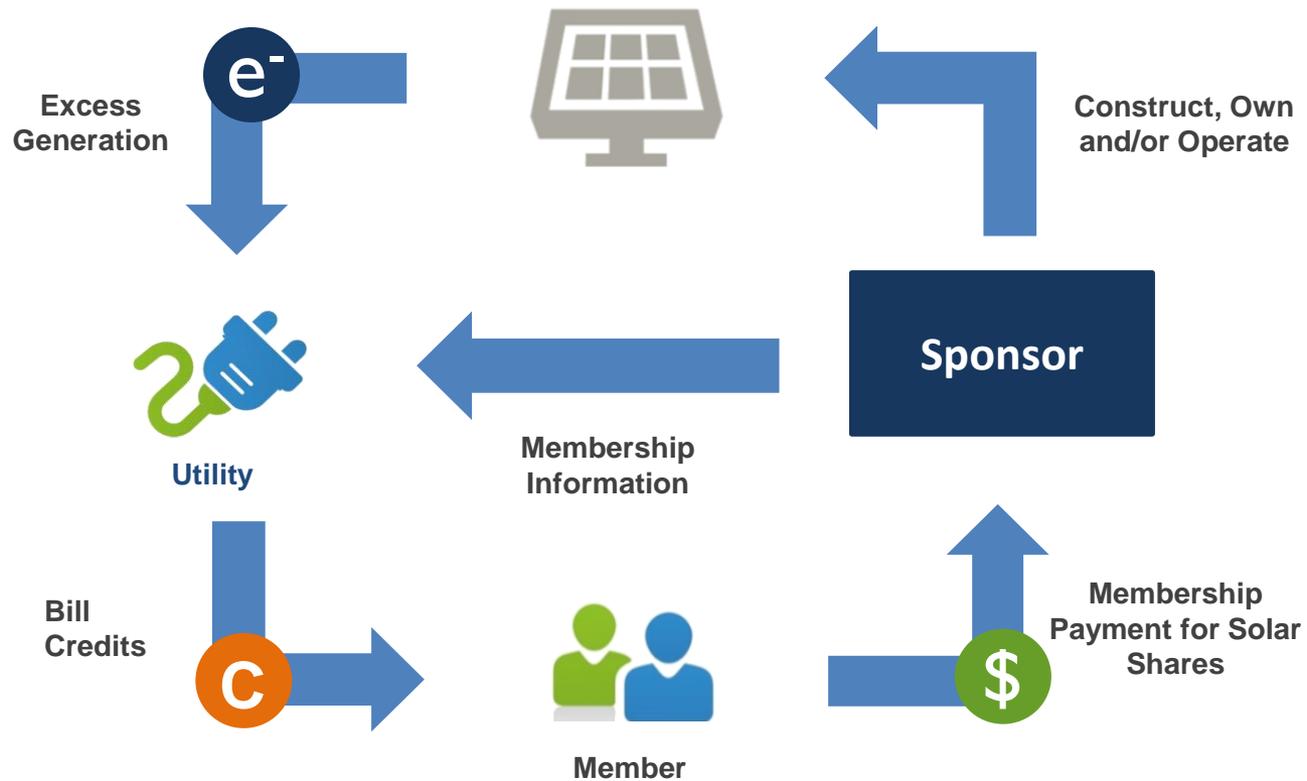
Community Distributed Generation (Shared Solar)

What is Shared Solar?

- Expands access to solar (and other clean energy) generation to utility customers who cannot site distributed generation directly
- Enables multiple customers to receive net metering credits from a single clean energy project
- Allows transferring of excess net metering credits to another customer
- Intended to allow residents and businesses to buy shares in larger community solar projects



How does shared solar work in New York?



Size, Location & Cost of Shared Solar

How large is a shared solar project?

- Limited to 2 MW*
 - 1 kW \approx 100 SqFt
 - 1 MW \approx 6 acres
- 2 MW project serves 200-400 households

Where can a project be located?

- Private land
- Public land
- Rooftops

What is estimated cost?

- 2 MW project: \$6-8 million for project development (before incentives)



Property Tax Considerations

- Has jurisdiction opted out of the RPTL for renewable energy facilities?
- Does the property receive an agricultural land assessment (Ag-Mkts L §305)?
- Does the property receive a forest exemption (RPTL §480-a)?

Consult with your local tax assessor

Sources: Dilorwoth Paxson. "Amendments to Farmland and Forest Land Assessment Act." Available at:

<http://www.dilworthlaw.com/NewsEvents/Alerts?find=55402>

New York State, Department of Taxation and Finance. "Agricultural assessment program - overview." Available at:

https://www.tax.ny.gov/research/property/assess/valuation/ag_overview.htm

Homenick, E. Sullivan County Real Property Tax Services. "Solar Array's and Taxation.":

https://s3.amazonaws.com/assets.cce.cornell.edu/attachments/12866/SOLAR_ARRAY%E2%80%99S.pdf?1452808160https://s3.amazonaws.com/assets.cce.cornell.edu/attachments/12866/SOLAR_ARRAY%E2%80%99S.pdf?1452808160

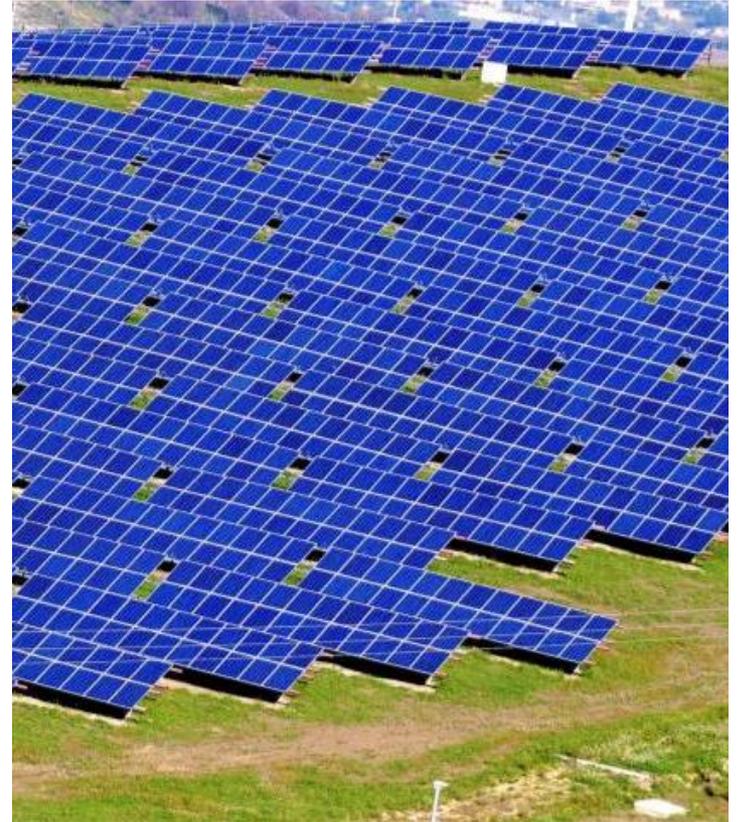
Real Property Tax Exemption

“Real Property which includes a solar energy system... shall be exempt from taxation to the extent of any increase in the value thereof by reason of the inclusion of such solar energy system for a period of 15 years...” - RPTL Section 487

- Special ad valorem and special assessments are not exempt (sewer, water, fire, library, etc.)
- After 15 year period, the value is fully taxable
- All municipalities and school districts are automatically included in PTE unless they opt out through local law or resolution
- More than 92% of all jurisdictions continue to offer this exemption.

Real Property Tax Exemption

- Jurisdictions use Payment In Lieu of Taxes (PILOT) for specific projects rather than opting out of PTE
- Jurisdictions have done PILOTS for projects above a certain size.
- PILOTS have been annual payments related to the system capacity (\$/MW).
- PILOT may not exceed the amount which would have been payable without the exemption.
- Jurisdictions remain opted in have collected equal or better PILOTS than those who had opted out.



Source: NY Solar Energy Industry Associations. (2014). "Webinar: Understanding the Property Tax Exemption for Solar in New York."

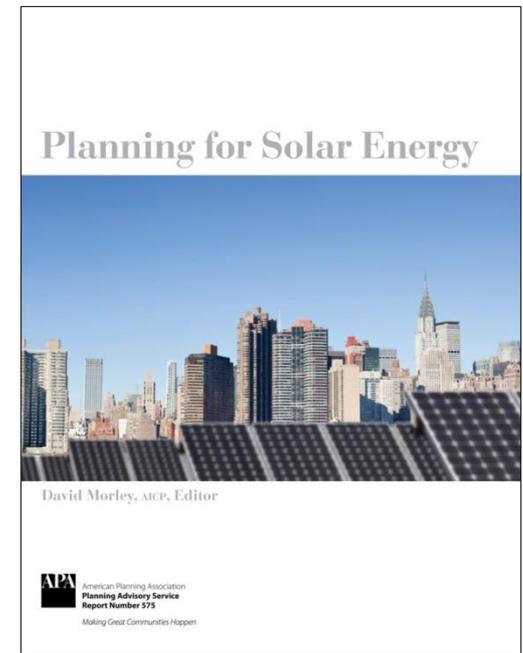
Recording Available at: <https://www.youtube.com/watch?v=A3Ull1-T0k>

NY Department of Taxation and Finance. Assessor's Manual , Volume 4, Exemption Administration. Available at:

https://www.tax.ny.gov/research/property/assess/manuals/vol4/pt1/sec4_01/sec487.htm

Land Use Planning for Solar Energy

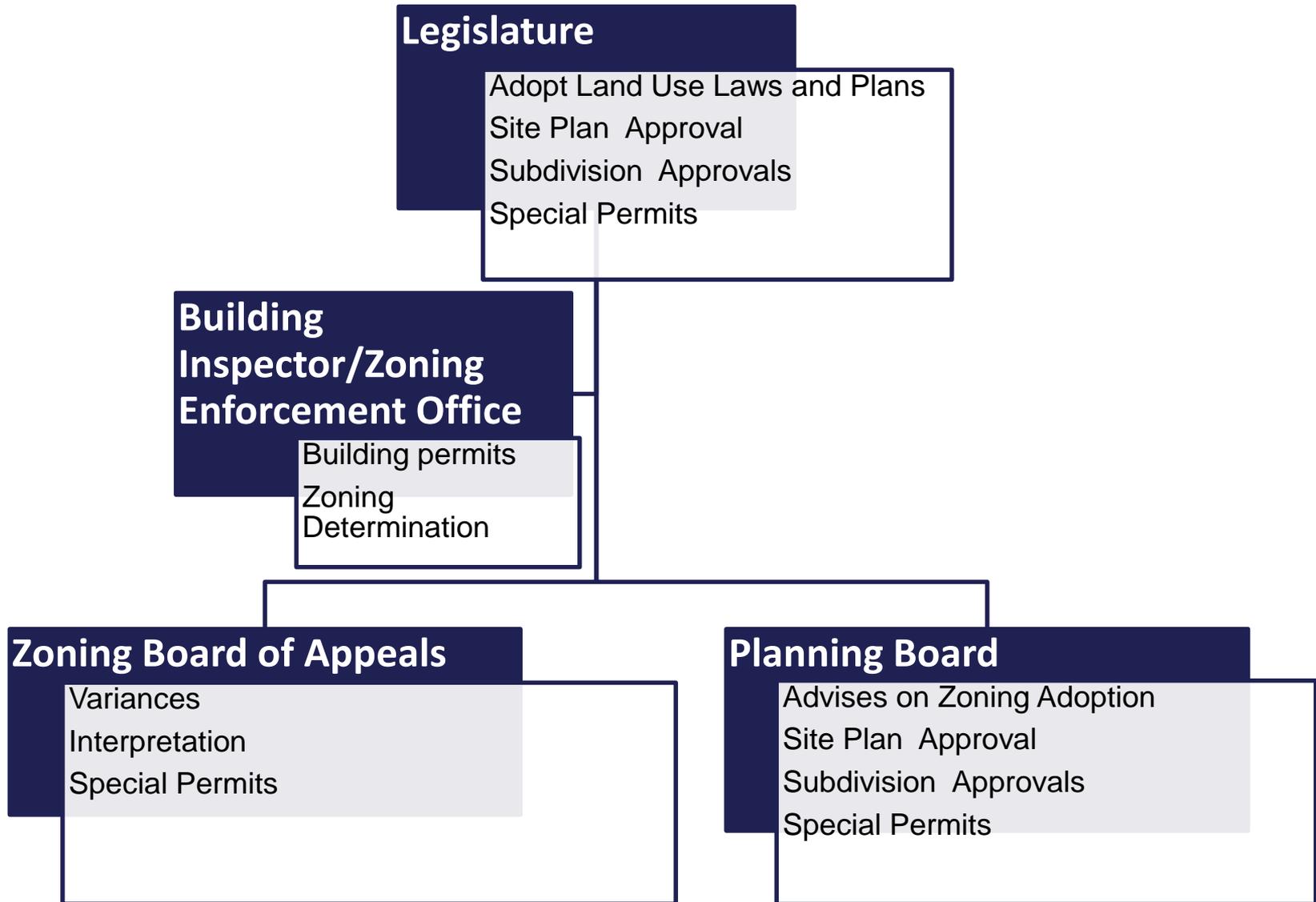
- Plan Making
- Policy Development
- Community Engagement



Who's in the room?

- A. Land Use Board member
- B. Municipal Planning/Building Department staff
- C. Elected officials
- D. County government
- E. State Agency
- F. Solar industry
- G. Developer
- H. Planners, Attorneys or other professional
- I. Community member
- J. Other

Delegation of Authority



Role of Local Gov't & Planning

1,550+ local jurisdictions in NY
With land use authority

Source: [NREL](#)

Policy Development Framework

Adopt a Resolution or Mayoral Proclamation that:

- Lists solar benefits and findings
- States intention to plan and regulate for solar
- Adopts a task force
- Authorizes research and studies
- Establishes a training program
- Authorizes an inter-municipal partnership
- Seeks state and federal funding and assistance
- Develop a community engagement process

Policy Development

Adopt a Resolution or Mayoral Proclamation

RESOLUTION SUPPORTING IMPLEMENTATION OF
A SOLAR ENERGY PROGRAM

[City/Town/Village] of _____

Date Adopted: _____

WHEREAS, solar energy is an abundant, renewable, and non-polluting energy resource;

WHEREAS, it is the intention of the [City/Town/Village] to adopt a strategy for municipal-wide solar development for the purpose of accomplishing the multiple economic, health, environmental, and educational benefits of solar energy, while maintaining the community character, design standards, and livability of the [City/Town/Village];

WHEREAS, there are a number of solar energy facilities and technologies that can be deployed in the [City/Town/Village] and several strategies that the [City/Town/Village] can implement to ensure the maximum use of solar energy in the community;

WHEREAS, the deployment of many of these solar energy facilities and the pursuit of these strategies can greatly reduce the cost and consumption of energy, while lowering carbon emissions and reducing fossil fuels in the [City/Town/Village];

WHEREAS, it is the intent of the [City/Town/Village] to examine its current policies, plans, programs, strategies, and regulations to determine whether they facilitate and further the deployment of appropriate solar energy facilities in the [City/Town/Village];

WHEREAS, there are various policies, plans, and programs that the [City/Town/Village] can consider implementing to encourage the deployment of solar energy facilities, including:

- Appointing a task force responsible for solar programs by charging an existing sustainability task force or conservation advisory council or creating a Solar/Renewable Energy Task Force
- Evaluating opportunities, conducting studies, and performing

SANTA FE COUNTY

RESOLUTION NO. 2013-49

Introduced by Commissioner Daniel Mayfield and Commissioner Robert Anaya

A RESOLUTION SUPPORTING CLEAN AND RENEWABLE ENERGY PROJECTS TO DEPLOY AND INSTALL ENERGY EFFICIENT AND RENEWABLE ENERGY TECHNOLOGY SYSTEMS ON SANTA FE COUNTY OWNED FACILITIES, WHICH WILL RESULT IN DECREASED UTILITY COSTS FOR TAXPAYERS, REDUCE NEGATIVE ENVIRONMENTAL IMPACTS FROM FOSSIL FUEL USE AND CONTRIBUTE TO CLEANER AIR QUALITY AND HEALTHIER COMMUNITIES

WHEREAS, the Board of Santa Fe County Commissioners ("the Board") approved and adopted its Resolution No. 2013-7 on January 29, 2013, a resolution that requires that County government "lead by example" and implement sustainable resource management principles and cost-effective waste reduction, recycling and clean energy strategies in County operations;

WHEREAS, the Board adopted the Sustainable Growth Management Plan in 2010, which established, by policy, clean energy directives generally that includes the use of solar renewable energy in new development;

WHEREAS, consistent with these policy directives, Santa Fe County has already constructed various buildings that incorporated energy efficient and renewable energy including United States Green Building Council Leadership in Energy and Environmental Design Standards ("LEED");

WHEREAS, the Board recognizes that buildings consume a large proportion of energy used in the United States and that it is in the best public interest and the best interest of Santa Fe County to address the County's existing facilities to achieve the goal of conserving natural resources as well as to reduce the operational and maintenance costs at each County facility;

WHEREAS, Santa Fe County has the ability to lead by example and make Santa Fe County a clean energy leader by taking further affirmative public policy action on environmental stewardship and climate change and supporting and implementing clean and renewable energy projects to deploy and install energy efficient and renewable energy technology systems on County-owned facilities;

WHEREAS, Santa Fe County holds tremendous solar power potential that could reduce negative local impacts from fossil fuel use, create new jobs, and bring brighter possibilities for health, prosperity and sustainability to county communities;

What Are the Benefits of Solar?

- A. Econ. Development & job creation
- B. Environ. & public health benefits
- C. Reduced & stabilized energy costs
- D. Energy independence & resilience
- E. Value to utility
- F. Community pride
- G. Other

Appoint a Task Force

- Charge an existing sustainability task force or conservation advisory council
- Create a Solar/Renewable Energy Task Force

Who sits on the Task Force?

- Municipal Officials
- Solar industry
- Chamber of Commerce
- HOAs
- Environmental/Non-profit Community
- Historic Preservation Representative
- Developers
- Landowners & Farmers
- Planning Board Member (required for Comp. Plan)

What is the Task Force's Role?

- Conducting studies & performing research
- Establishing a training program
- Partnering with adjacent communities
- Leveraging state and federal technical assistance grants
- Developing a community engagement process
- Amending the comprehensive plan
- Considering regulatory changes

Best Practices

KENT COUNTY, MARYLAND



RENEWABLE ENERGY TASK FORCE
Established 9 March 2010



Sustainable
Dobbs

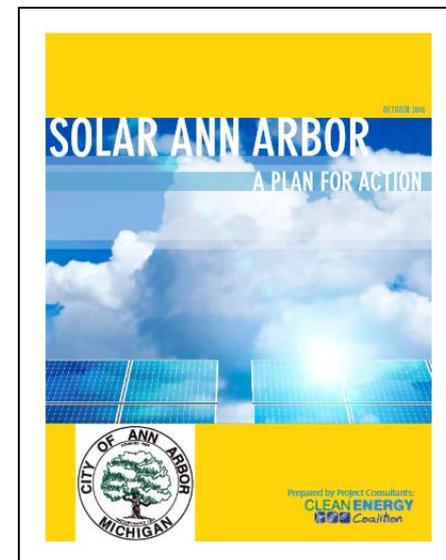
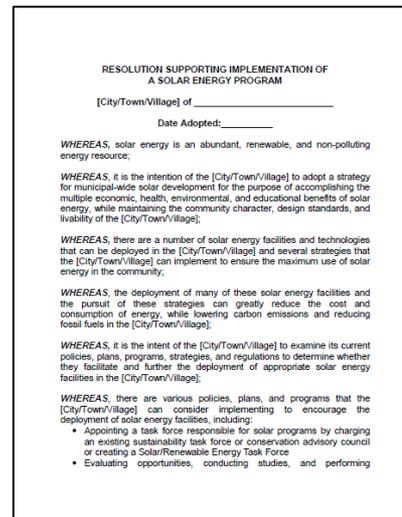
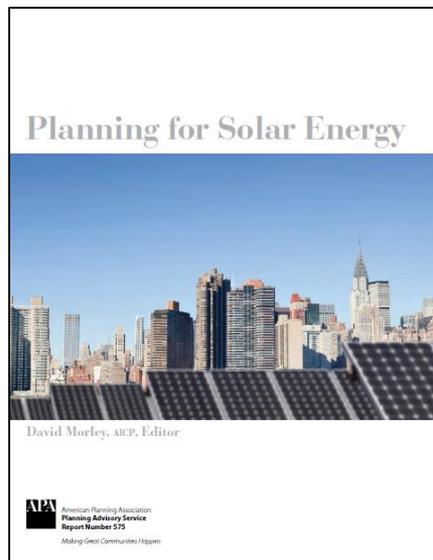


Task Force

- Who has a Task Force?
- Who sits on your Task Force?
- What is the role of your Task Force?

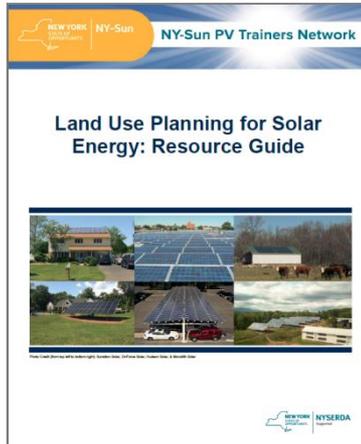
Planning to Accommodate Solar

- Add Solar Energy Component to Comp Plan
- Adopt Solar Energy Policy or Plan



Resources: NY-Sun PV Trainers Network

Land Use Planning for Solar Energy



https://training.ny-sun.ny.gov/images/PDFs/Land_Use_Planning_for_Solar_Energy.pdf

Zoning for Solar Energy

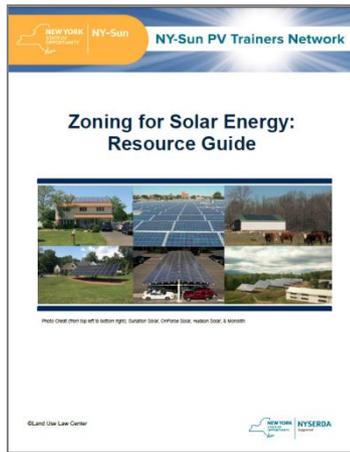
Zoning Must Be in Accordance with Comprehensive Plan



Photo Credit (from top left to bottom right): Sunation Solar, OnForce Solar, Hudson Solar, & Monolith Solar

Resources: NY-Sun PV Trainers Network

Zoning for Solar Energy: Resource Guide



https://training.ny-sun.ny.gov/images/PDFs/Zoning_for_Solar_Energy_Resource_Guide.pdf

Zoning for Solar: Webinar

<https://training.ny-sun.ny.gov/zoning-for-solar-webinar>

Types of Solar Energy Systems



Building Integrated



Small-Scale Roof



Large-Scale Roof



Small-Scale Ground



Large-Scale Ground

Example Zoning Chapter

- Purpose
- Definitions
- Establishment of Districts & Zoning Map
- District Use, Lot and Bulk Regulations
- Special Permit Regulations
- Supplemental Regulations
- Off-street Parking, Driveways and Loading Areas
- Nonconforming Uses, Buildings and Structures
- Site Plan and Special Permit Review & Approval

Example: Model Solar Zoning Law

Sections



Section 1: Purpose

Section 2: Definitions

Section 3: Applicability

Section 4: Solar as an Accessory Use/Structure

Section 5: Solar as a Principal Use

Section 6: Historic Districts

Section 7: Abandonment and Removal

Section 8: Severability

Defining Solar Energy Systems

Zoning Definitions Section



§ 300-4 Definitions and word usage.

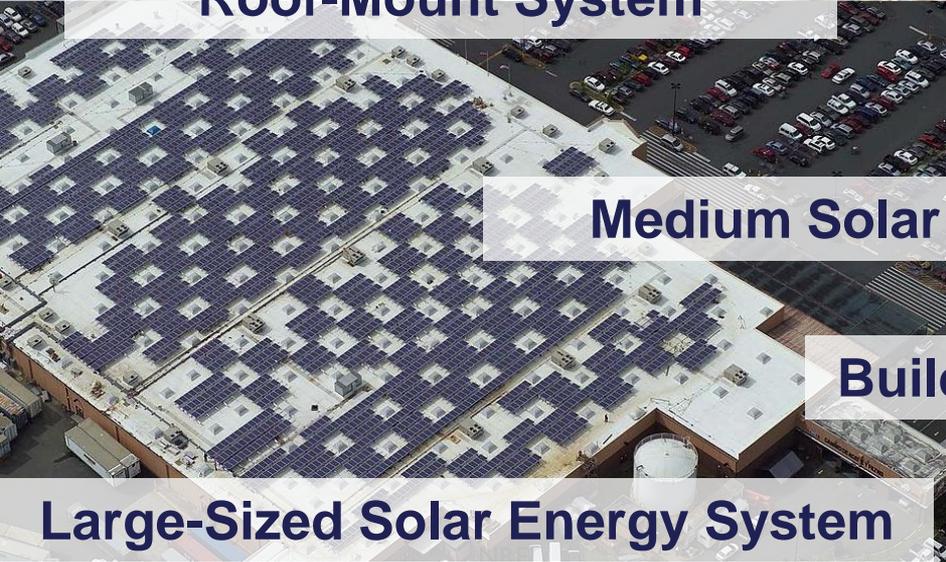
- A. Word usage. Except where specifically defined herein, all words used in this chapter shall carry their customary meanings. Words used in the present tense include the future, and the plural the singular. The word "lot" includes the word "plot"; the word "building" includes the word "structure"; the word "shall" is intended to be mandatory; and "occupied" or "used" shall be considered as though followed by the words "or intended, arranged or designed to be used or occupied."
- B. Definitions. As used in this chapter, the following terms shall have the meanings indicated:

Defining Solar Energy Systems



Solar Electric Systems

Small-Scale Solar



Roof-Mount System

Medium Solar Energy System

Large-Sized Solar Energy System



Ground-Mounted Solar Facility

Principal Solar Energy System



Solar Energy Facility

Building-Integrated Photovoltaic Systems

Defining Solar: Four Factors To Consider

- Energy System Type
- Location Where System-Produced Energy is Used
- Bulk & Area of System Dimensions
- System Energy Capacity

Defining Solar: System Type

- Roof- or Building-Mounted
- Ground-Mounted or Freestanding
- Building-Integrated



Defining Solar: Energy Usage

Energy is Used:

- Entirely Onsite with Some Net Metering
- Entirely Offsite
- Onsite & Offsite



Defining Solar: Bulk & Area

Define according to physical size of system:

- Min. or Max. Footprint or Disturbance Zone

- Measured in:

acres, square feet, % lot coverage, or
% of primary structure's foot print



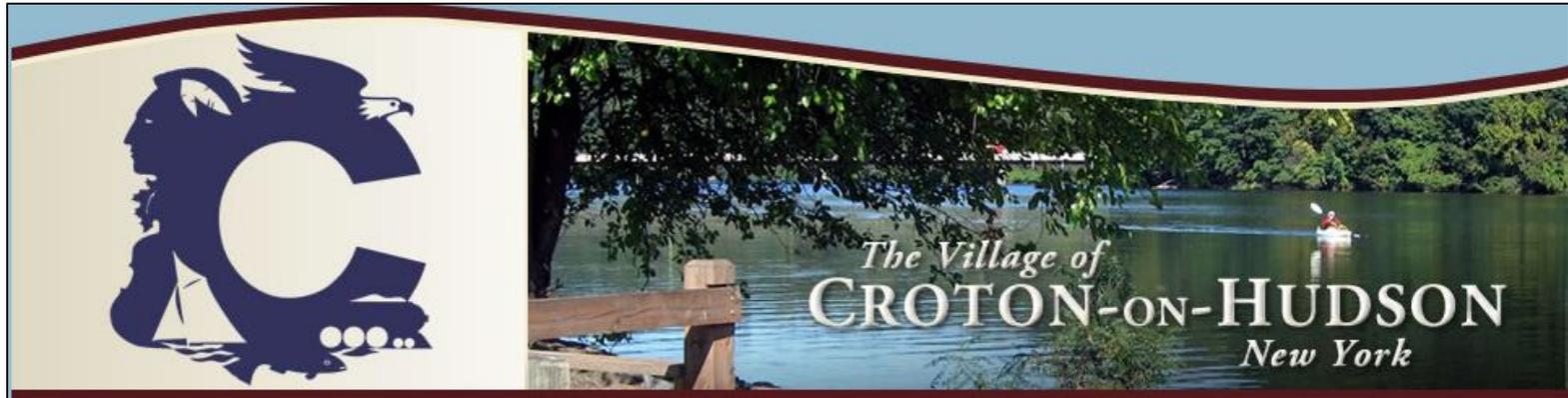
Defining Solar: Energy Capacity

Minimum or Maximum kW:

- Generating Capacity
- Rated Capacity
- Rated Storage Volume



Example: System Type and Energy Capacity



New York State Unified Solar Permit

Expedited Solar Permit Process for Small-Scale Photovoltaic Systems

For Small-Scale Solar Electric Systems:

→ Rated capacity of 12 kW or less

→ Roof-Mounted

Example: System Type & Energy Usage



New York State Model Solar Zoning Ordinance

- Building-Integrated Photovoltaic
- Ground-Mounted
- Roof-Mounted
- Large-Scale System → offsite energy consumption

Example: System Type, Energy Usage, Energy Capacity



Large SES

- Ground-mounted
- Rated capacity of ≥ 200 kW
- Offsite use (sell to power grid)

Medium SES

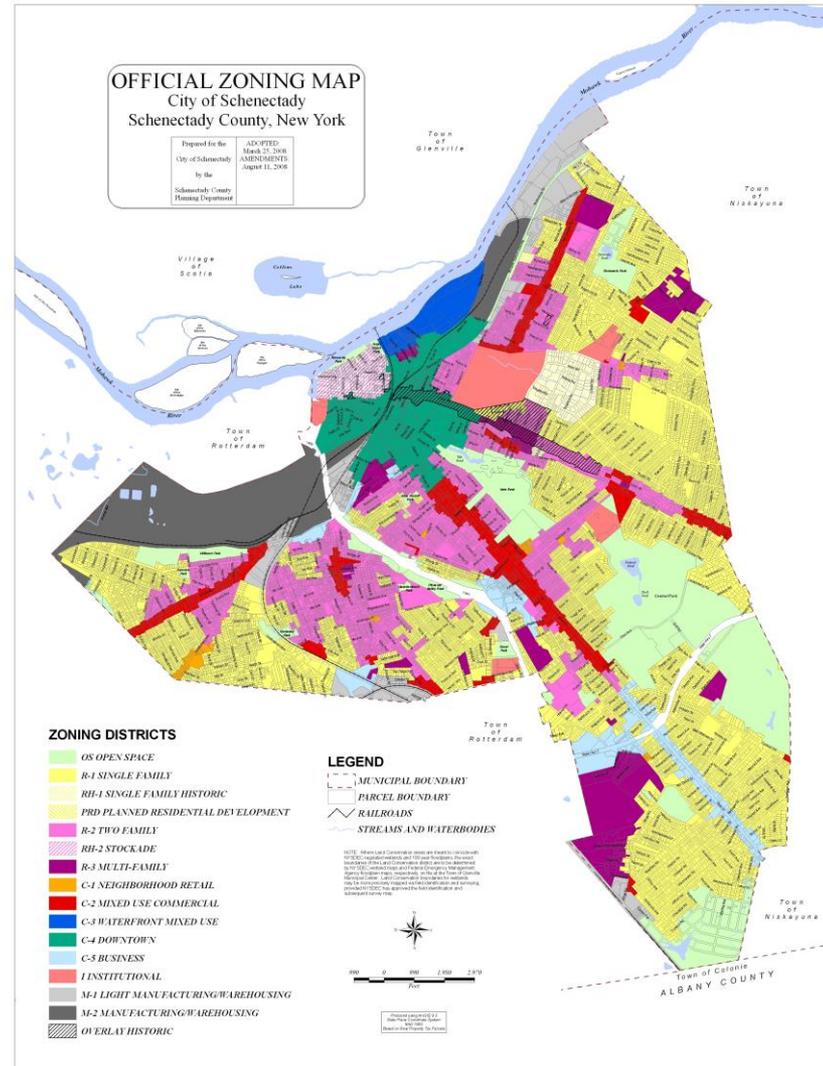
- Ground-mounted & rated capacity of < 200 kW but > 5 kW
- Roof-mounted & rated capacity of > 5 kW & serving single or multiple lots or parcels

Small SES

- ≤ 5 kW & serving single parcel or lot

Update Zoning Code

Siting: Determine which zoning districts to permit each defined system



Example: Model Solar Zoning Law

- Roof-mounted systems are permitted as an accessory use in **all zoning districts** when attached to lawfully permitted principal and accessory structures, subject to requirements.
- Ground-mounted solar energy systems are permitted as an accessory structure **in [Insert district(s)]**, subject to the requirements.
- Large-scale solar energy systems are permitted through the issuance of a special-use permit **within [Insert district(s)]** subject to requirements.

Amending District Use Regulations to Allow Solar

Land Uses Allowed in Districts As:

1. Principal Use
2. Accessory Use
3. Secondary Use
4. Special Use

1. Solar as Principal Use



2. Solar as Accessory Use/Structure



3. Solar as Secondary Use



4. Solar as Special Use



Example: Model Solar Zoning Law

- Roof-mounted systems are permitted as an **accessory use** in all zoning districts when attached to lawfully permitted principal and accessory structures, subject to the requirements.
- Ground-mounted solar energy systems are permitted as an **accessory structure** in [*Insert district(s)*], subject to the requirements.
- Large-scale solar energy systems are permitted through the issuance of a **special-use permit** within [*Insert district(s)*] subject to requirements.

Review and Approval Process

Project review and approval requirements generally intensify as impacts associated with permitted solar energy systems increase.

Land Use Review Options

For Building-Integrated:

- Building parts exempt from land use review
- Subject to building code compliance



Land Use Review Options

For Small-Scale, Accessory Systems:

- Review by Zoning Enforcement Officer
- Building Permit Review
- Some may Require Site Plan Review



Land Use Review Options



For Small-Scale, Accessory Systems:

- Must be 12 kW or less & roof-mounted
- Exempt from zoning review
- Expedited review for combined building and electrical permit

Land Use Review Options

For Larger Systems with Greater Impacts:

- Major & Minor Site Plan Review
- Special Use Permit Review



Example: Model Solar Zoning Law

- Roof-mounted systems are permitted as an **accessory use** in all zoning districts when attached to lawfully permitted principal and accessory structures, subject to the requirements.
- Ground-mounted solar energy systems are permitted as an **accessory structure** in [*Insert district(s)*], subject to the requirements.
- Large-scale solar energy systems are permitted through the issuance of a **special-use permit** within [*Insert district(s)*] subject to requirements.
 - **Site plan** approval is required.

Example



Minor Site Plan Review for:

- Ground-mounted
- Between 2,000 sq.ft. & 10 acres in size

Preliminary & Final Site Plan Review for:

- > 10 acres in size
- Site plan must include: transmission line/equipment location, changes to existing substations, how facility will connect to grid, landscape maintenance plan, decommissioning plan, etc.

Example: Model Solar Zoning Law

- **Large-Scale System** → offsite energy consumption
 - Subject to Site Plan Review

Reviewing Bulk & Area Requirements

SEC.	DISTRICT	MAXIMUM HEIGHT		MINIMUM REQUIREMENTS				MINIMUM YARDS (7)			
		FT.	STY.	LOT AREA Sq. Ft.	LOT WIDTH	LOT DEPTH	FRONT DEPTH	EACH SIDE YARD	TOTAL BOTH SIDES	REAR DEPTH	
1	R-1 Single Family Residential	35	2.5	20,000	100'	100'	30'	10'	30'	30'	
2	R-2 Two-Family Residential	35	2.5	7,000	50'	100'	20'	6'	16'	20'	
3	R-3 Multi-Family Residential	40	4	1 FAMILY: 7,000	50'	100'	20'	1,2,2.5 STORY:	6'	16'	20'
	2 FAMILY: 3,000@DU(1)			40'							
	3+ FAMILY: 1,500@DU			40'							
7	C-3 Commercial			TOWN HOUSE: 2,000(2)	18'			3 OR 4 STORY:	15'	30'	20'
4	B-1 Neighborhood Business	35(3)	2.5(3)	For Dwis: same as R-3 Other Bldgs: -- -- --			50'	NOTE (4)			
5	C-1 General Commercial	40(3)	3(3)				50'	NOTE (4)			
6	C-2 Central Commercial	45(3)	3					NOTE (4)			
8	M-1 Light Industrial	45(3)	3	(11) 1500 @DU	NONE	NONE	50'	20'	50'	NONE(5)	
9	M-2 Heavy Industrial	125(6)	--	(11) 1500 @DU	NONE	NONE	50'	20'	50'	NONE(5)	
10	FW Flodway	NO BUILDING PERMITTED		NONE	NONE	NONE	NO BUILDING EXECPT UTILITY				
10	FF Flod-Fringe	DEVELOPMENT SHALL BE UNDERTAKEN IN STRICT COMPLIANCE WITH FLOOD-PROOFING AND RELATED PROVISIONS CONTAINED IN ALL OTHER APPLICABLE CODES AND ORDINANCES.									

Example: Model Solar Zoning Law

- Roof-mounted systems:
 - Height and setback requirements from underlying zoning
 - Height exemptions granted to building-mounted mechanical devices or equipment apply
- Ground-mounted
 - Size: Systems are limited to [Insert Lot Coverage Percentage].
 - Panel surface area shall be included in total lot coverage
 - Setback: Requirements of the zoning district.
 - Height:

Ground-mounted Height and Setback Requirements	
Setback	Permissible Height
Less than or equal to 10ft	6ft
Greater than 10ft and less than or equal to 15ft	12ft
Greater than 15ft	15ft

Example: Model Solar Zoning Law

Large-scale solar energy systems:

- *Height and Setback:*
 - requirements of the underlying zoning district.
 - Additional restrictions may be imposed during the special-use permit process.
- Minimum lot size of [*Insert Size Requirement*] square feet.

Development Standards

Some municipalities impose specific development standards to mitigate land use impacts associated with solar energy system

Development Standards for Accessory-Use SESs

Roof-Mounted:

- Max height
- Min tilt, angle
- Color & location restrictions



Ground-Mounted:

- Setback, yard requirements
- Max height
- Blending or screening



Development Standards for Principal-Use SESs

Requirements To Mitigate Impacts:

- Siting
- Height Limits
- Setbacks
- Screening
- Safety (fencing, signage)
- Utility Interconnection
- Required Studies (environmental, economic)
- Decommissioning/Site Restoration



Example: Model Solar Zoning Law

Roof-Mounted

Aesthetics:

- Equipment shall be installed inside walls and attic spaces to reduce their visual impact. If visible from a public right of way, it shall be compatible with the color scheme of the underlying structure.
- Panels facing the front yard must be mounted at the same angle as the roof's surface with a maximum distance of 18 inches between the roof and highest edge of the system.
- Panels affixed to a flat roof shall be placed below the line of sight from a public right of way.

Example: Model Solar Zoning Law

Large Scale System

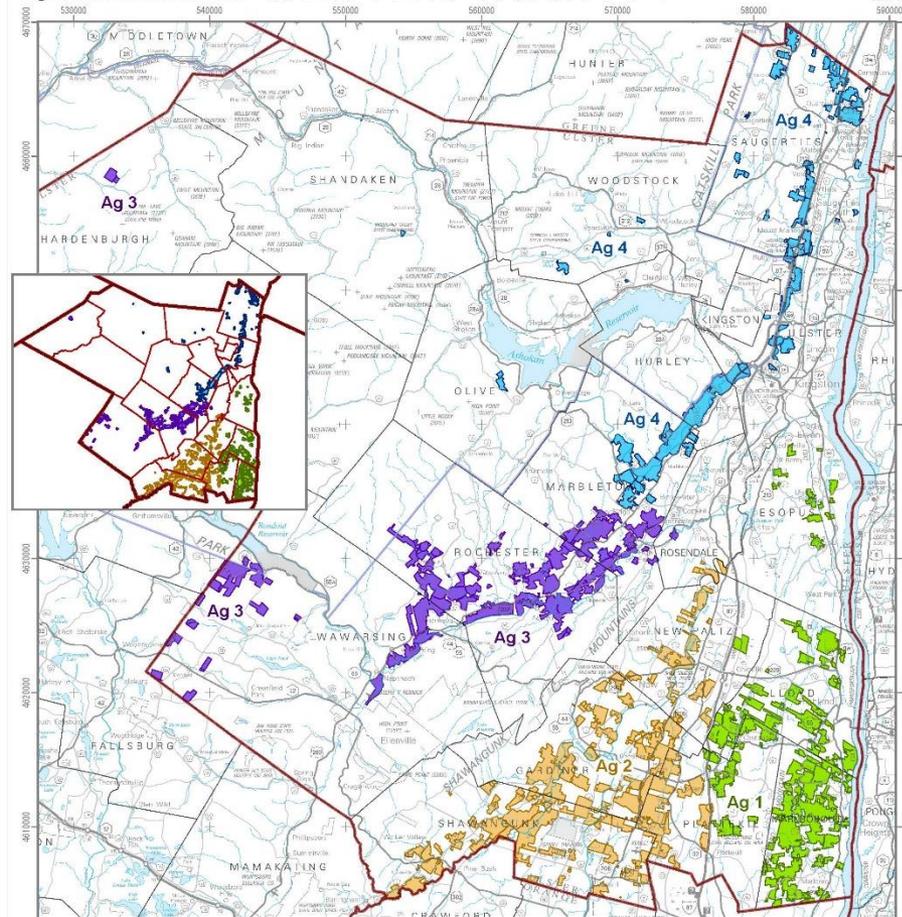
- Enclosed by fencing to prevent unauthorized access.
- Warning signs with the owner's contact information
- Other requirements:
 - verification of utility notification,
 - copies of easements and other agreements,
 - blueprints showing the layout of the solar installation signed by a Professional Engineer or Registered Architect,
 - equipment specification sheets,
 - Property Operation and Maintenance Plan, and
 - Decommissioning Plan.

Special Districts



Agricultural Districts

- **AUTHORITY:** Article 25-AA of the Agriculture and Markets Law
- **PROCESS:** Landowner initiates, preliminary county review, state certification, and county adoption
- **COVERAGE:**
 - 224 agricultural districts
 - 24,130 farms
 - 8.8 million acres
 - about 30 percent of the State's total land area



MAP PROJECTION
UTM Zone 18, NAD83 meters



KEY	
Ag District 1	■
Ag District 2	■
Ag District 3	■
Ag District 4	■

DISTRICT CERTIFICATIONS and TOWNS			
DISTRICT 1 CERTIFIED 9/19/2013	DISTRICT 2 CERTIFIED 6/2/2006	DISTRICT 3 CERTIFIED 11/13/2005	DISTRICT 4 CERTIFIED 8/14/2007
Esopus Lloyd Marlborough	New Paltz Plattekill Gardiner New Paltz	Plattekill Rosendale Marbletown Rochester	Hurley Shandaken Marbletown Ulster Olive Woodstock Saugerties

MAP SOURCE INFORMATION
Map created at Cornell IRIS (Institute for Resource Information Sciences) <<http://iris.css.cornell.edu>> for the NYS Department of Agriculture and Markets

Agricultural Districts boundary data is available at CUGIR (Cornell University Geospatial Information Repository) website: <<http://cugir.mannlib.cornell.edu>>

Base Map: state250_bw.tif 1998
Scale: 1:250,000; County boundaries imported from the file nysshore.e00 from the NYSGIS Clearinghouse website: <<http://gis.ny.gov>>

Contains data copyrighted by the NYS Office of Cyber Security

DISCLAIMER
This is a general reference to Agricultural District boundaries; not a legal substitute for actual tax parcel information.

Boundaries as certified prior to January 15, 2014

Open Enrollment Annual Additions are not included in this data. Check with county agencies to confirm the status of individual parcels.

Farmer Benefits & Protections

- Preferential real property tax treatment
- Protections against
 - overly restrictive local laws
 - government funded acquisition or construction projects
 - private nuisance suits involving agricultural practices

Benefits & Protections for Solar

- Electrical output from the solar device cannot exceed 110% of the farm's anticipated electrical needs
 - If shared meter with residence, then conduct an energy audit to separate the farm's energy requirements from the residential usage.
 - If remote net metering, multiple meters combined to determine the electrical needs of the on-farm equipment.
- Solar devices that do not exceed 110% of the farm's anticipated electrical needs are on-farm equipment.
 - If considered structure or building by local government, then it is an on-farm building.

Agricultural District Resources

Agricultural Districts Website

<http://www.agriculture.ny.gov/ap/agservices/agdistricts.html>

Guideline for Review of Local Zoning and Planning Laws

<http://www.agriculture.ny.gov/ap/agservices/guidancedocuments/305-aZoningGuidelines.pdf>

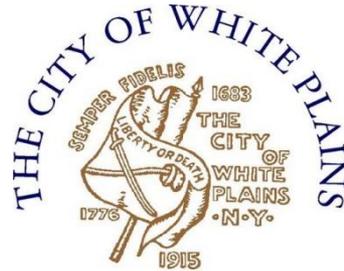
Guideline for Review of Local Laws Affecting Small Wind Energy Production Facilities and Solar Devices

http://www.agriculture.ny.gov/ap/agservices/guidancedocuments/Guidelines_for_Solar_and_Small_Wind_Energy_Facilities.pdf

Review by Additional Local Boards



Example



SES exempt from design review if:

- On 1- or 2-family structures w/o variance
- Rated capacity \leq 12 kW
- Mounted parallel to roof or with minimal tilt

Review by Additional Local Boards



Example: Model Solar Zoning Law

Solar in Historic Districts or Treatment of individual historic properties

- Solar panels and BIPV systems are permitted by right on accessory structures that do not contribute to the historic significance of the site.
- Solar panels shall not alter a historic site's character defining features.
- All modifications to site must be reversible to reveal the original appearance of site.
- Exposed solar energy equipment must be compatible with the underlying structure.
 - Panels shall be placed flush to the roof's surface
 - BIPV shall complement the styles and materials of the building.
- The issuance of a Certificate of Appropriateness is required by a historic review board for ground-mounted systems, BIPV, exterior improvements to all historic structures.
 - Preference given to solar panels placed on new construction or additions.
 - Ground-mounted systems shall be screened from the public right of way by fencing or vegetation

Resource: APA's Solar Planning & Zoning Data Search

www.planning.org/solar/data/

Available Training Topics

Expanding Commercial Solar With a PACE Program

Introduction to Solar Policy Workshop

Introduction to Solarize: Stimulating Local Solar Market Growth

Land Use Planning for Solar Energy

Safety and Fire Considerations for Solar PV

Solar Procurement for Local Governments

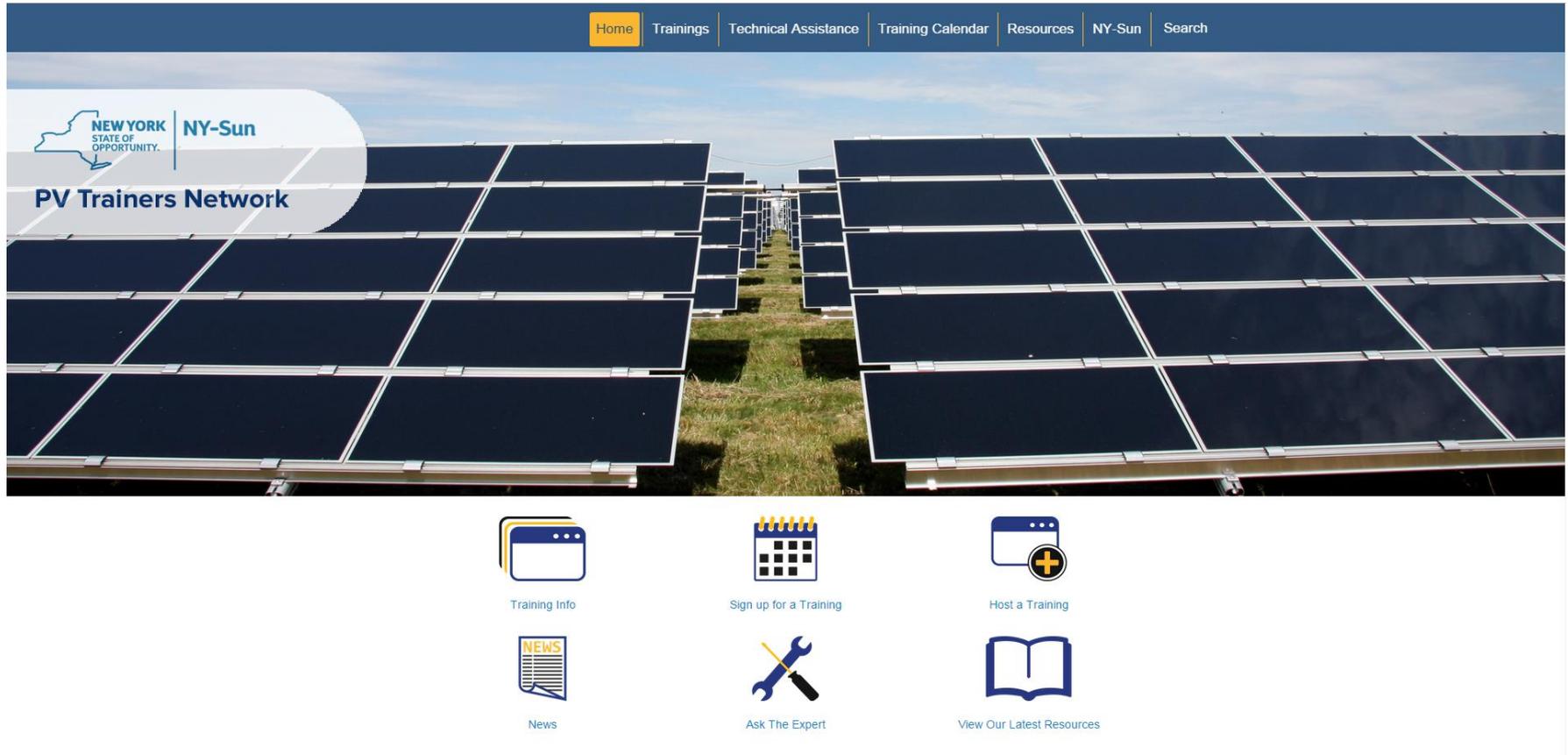
Solar PV for Engineers and Architects

Solar PV Permitting and Inspection Methods

Streamlining Solar Permitting

Zoning for Solar Energy

Resources: NY-Sun PV Trainers Network



Visit: <https://training.ny-sun.ny.gov/>



NY-Sun

NY-Sun PV Trainers Network

Thank You!

Contact us:

info@training.ny-sun.ny.gov

training.ny-sun.ny.gov

Jessica Bacher

Land Use Law Center

Pace Law School

jbacher@law.pace.edu