

Solar Ready II

Permitting and Zoning



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Today's Agenda

- Introduction to Solar Ready II
- AM session: Permitting
 - Solar markets
 - Permitting “BMPs” (Best Management Practices)
 - DVRPC’s Draft Permitting Guide
 - Group discussion/breakout
- Lunch
- PM Session: Zoning
 - Why promote solar in your community?
 - Zoning BMPs
 - DVRPC’s Renewable Energy Ordinance Framework – Solar
 - Self-assessment audit

DVRPC's Solar Ready II

Promote best management practices for streamlined and standardized solar regulatory practices at the municipal level

Solar Ready II will work with municipalities and stakeholders to:

- Identify existing conditions and barriers to solar photovoltaic (PV) adoption
- Develop and implement a plan to reduce **soft costs** of solar PV
- Provide free "**light**" **technical assistance** and **training** on solar PV best management practices

Funding Amount: \$90,000 (\$75,000 plus \$15,000 if goals are met)

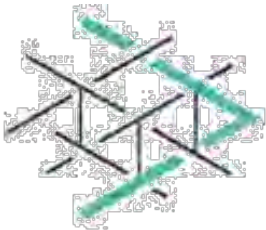
Timeframe: Nov. 2013 – March. 2016 (Mar. 2015 – Mar. 2016 pending DOE approval)



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NARC
Building Regional Communities

MARC
Mid-America Regional Council

The logo graphic for Meister Consultants Group features a cluster of small circles in shades of blue and brown, arranged in a roughly circular pattern.
MEISTER
CONSULTANTS GROUP

The CST logo graphic features the letters 'CST' in a bold, blue, stylized font. A green star is positioned to the right of the 'S'.
Sharing capital ideas.

Solar Ready II: Regional Partners

SOLAR READY II REGIONAL PARTNERS

Central New York Regional
Planning and Development Board

Delaware Valley Regional
Planning Commission

Maricopa Association
of Governments

Metropolitan Washington
Council of Governments

Mid-America
Regional Council

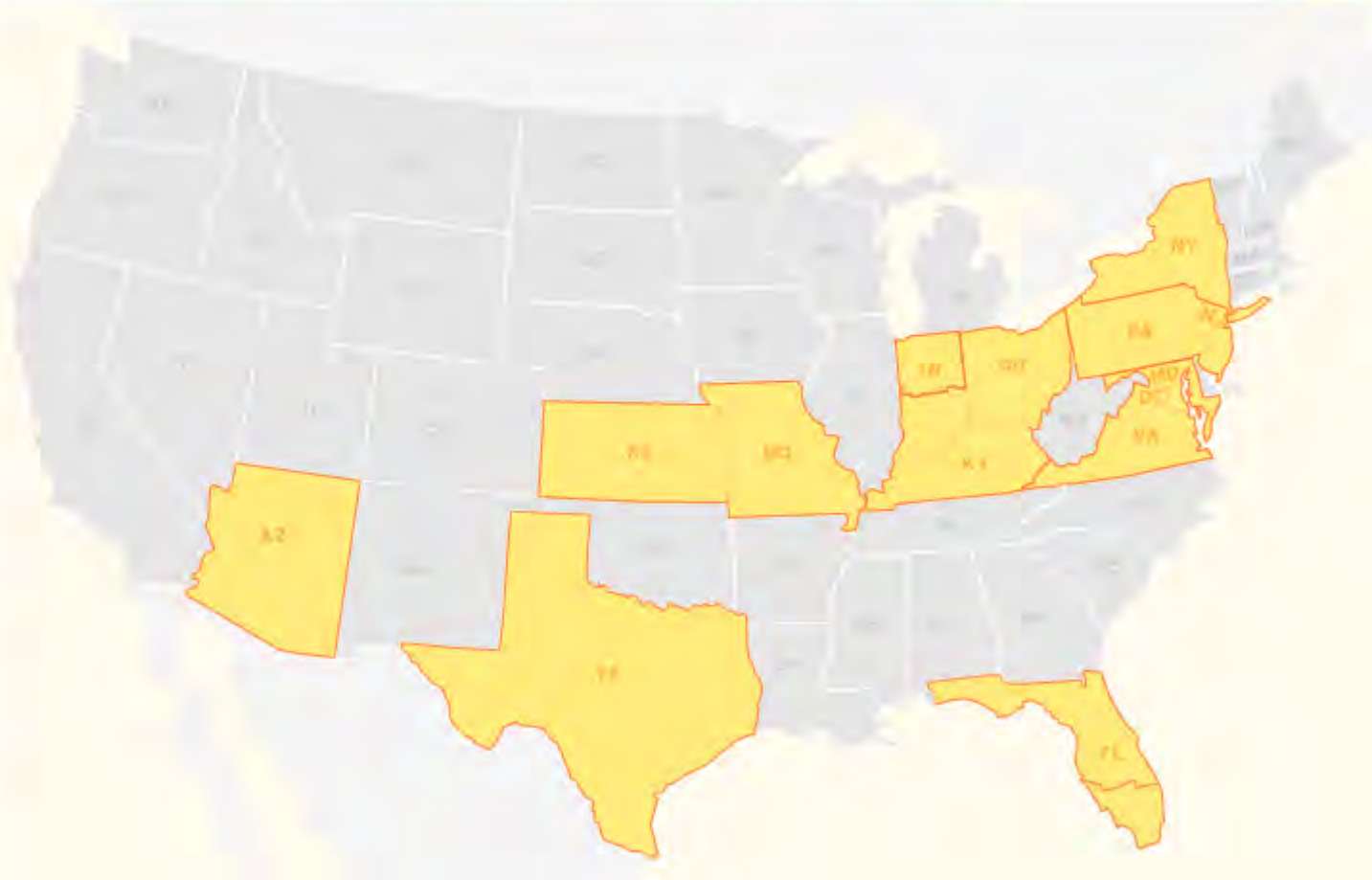
North Central Texas
Council of Governments

Northwestern Indiana
Regional Planning Commission

Ohio-Kentucky-Indiana
Regional Council of Governments

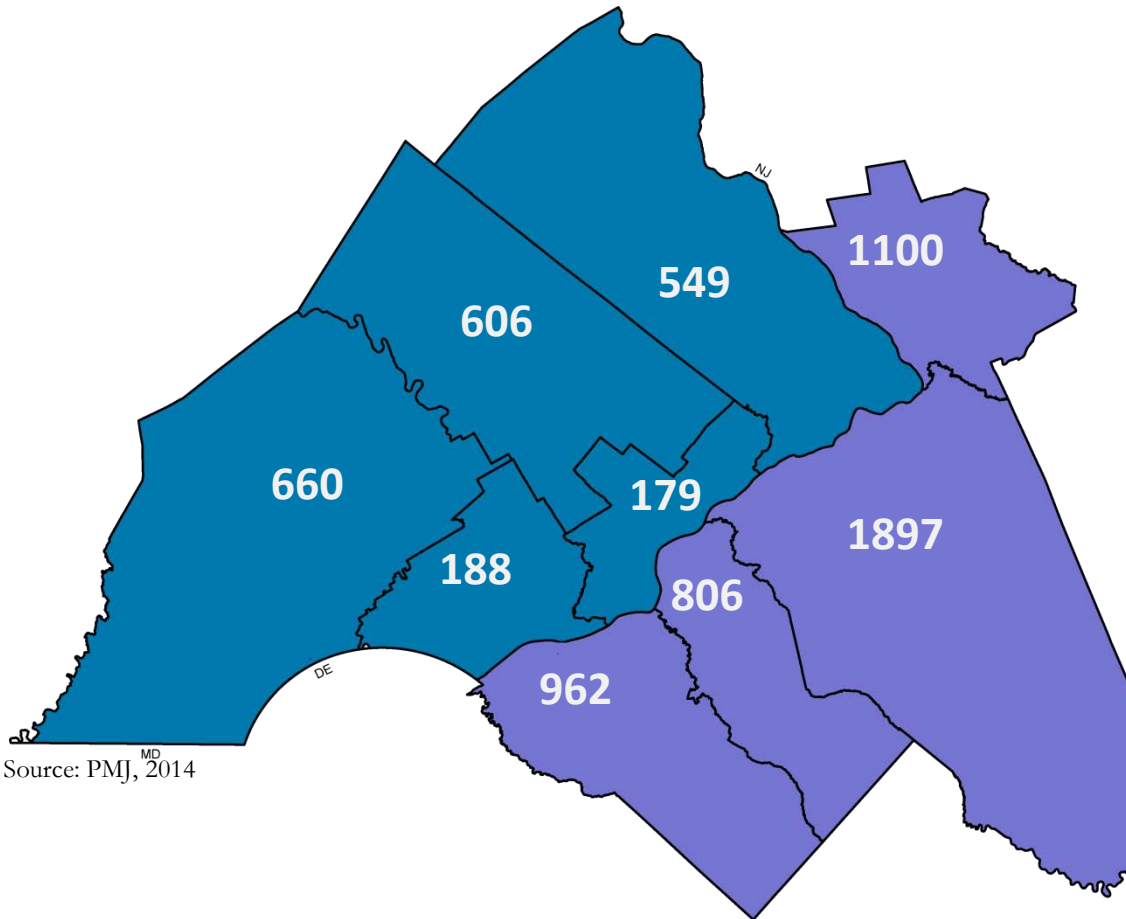
Southwest Florida
Regional Planning Council

Tampa Bay Regional
Planning Council



PV Installations in DVRPC Region

Count of solar PV systems installed by county



Source: PMJ, 2014

	PA	NJ
National Rank	15 th	5 th
Av. System Size	2.8 kW	5.4 kW
SREC Price	\$40.00	\$160
\$/W installed (residential)	\$3.84	\$2.68
\$/W installed (commercial)	\$4.61	\$3.96

Source: NREL, 2014; PMJ, 2014; srectrade.com

Solar installations spiked in 2010, but demand still present

Best Management Practices

Process

Improve
Permitting
Process

Prequalify
Installers

Utility
Coordination

Planning

Zoning Code
Improvements

Improve Solar
Access

Educate
Developers +
Homeowners

Financing &
Adoption

Distribute
Cost Survey
to Installers

Enact Solarize
Program

Engage Local
Lenders

BMP: Permitting Guide

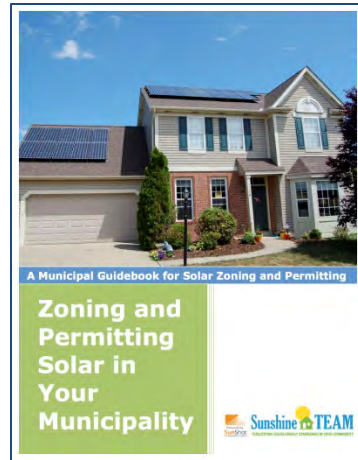
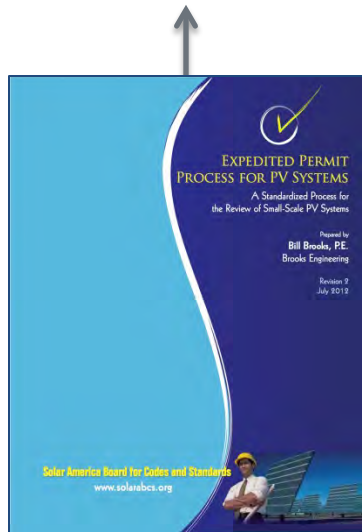
Resource

DVRPC Model Renewable Energy Ordinance Framework- Solar PV

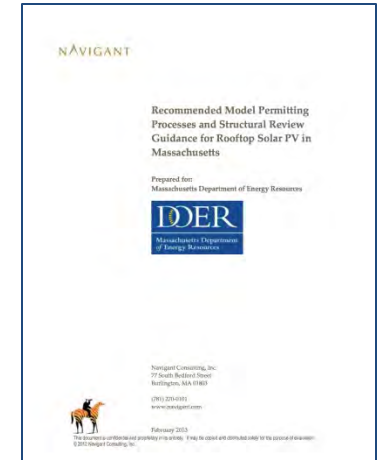
- Provides materials that municipalities can **use to supplement and enhance existing solar PV processes** in a way that will make the process easier for the municipality and the applicant.
- Guide includes background information, checklists, templates
- Not intended to wholly replace existing permitting processes (information that applicants will submit in addition to an existing building/electrical permit application.)

BMP: Permitting Guide

Solar America Board of
Codes & Standards
Expedited Permitting Guide



EnergizeCT
Rooftop Solar Permitting Guide



PennFuture
Zoning and Permitting Guidebook

Massachusetts DOER
Model Permitting and Structural
Review Process

BMP: Permitting Guide

Recommended Submissions

1. Existing Building or Electrical Permit
2. Additional Solar Information
3. Site Plan
4. Electrical Diagram
5. Equipment Spec Sheets
6. Attachment Details

Local Government Decision Points

1. Streamlined Permitting Process for certain systems?
2. Prescriptive Structural Review for certain systems?

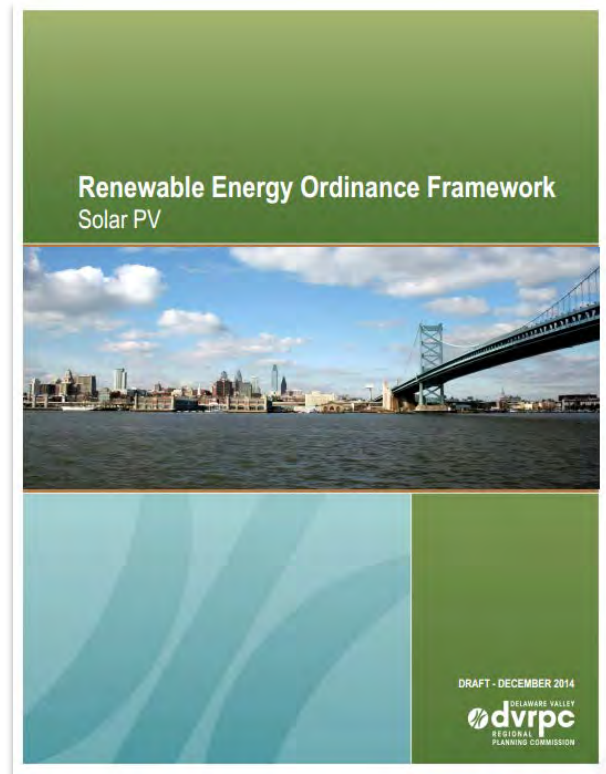
BMP: Zoning

Resource

DVRPC Model Renewable Energy Ordinance Framework- Solar PV

Zoning:

- Provides background and examples for common factors in zoning for solar
- Contains commentary and guidance on language selection
- Presents options, not a model
- Evolving document



Zoning for Solar: Key Issues

- **Height – Flat roof vs pitched**
- **Setbacks**
 - on rooftop for first responder
 - Ground mounted setbacks for nuisance
- **Impervious coverage**
- **Glare**
- **Trees**

- **Historic preservation**
- **Solar access**

Follow-up Technical Assistance

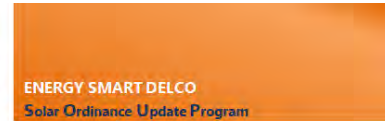
DVRPC

Sign Up for Technical Assistance on Permitting and Zoning for Solar Energy Systems

Name	Organization	E-mail address	Phone



Delaware County Planning Department



APPLICATION

Municipal / Point of Contact Information

Municipality _____ Address _____
 Municipal Contact _____ Title _____
 Phone _____ Email _____

Check this box if a municipal representative attended the Training Opportunities for Permitting and Zoning Solar Energy Systems session in Radnor Township on March 19.

Multi-Municipal Collaboration

Check this box if your municipality would accept multi-municipal task force meetings with adjacent or nearby municipalities.

Current Ordinances

1. Has your municipality adopted or drafted any following ordinances? Please note A for Adopted and D for drafted (but not adopted):

_____ Comprehensive Alternative Energy Ordinance _____ Stand-alone Solar Ordinance (in zoning code)

2. If an ordinance has been drafted or adopted, does a digital copy exist?

Microsoft Word _____ Adobe PDF _____ Hard copy only _____

Committee / Task Force

1. Has your municipality previously addressed the regulation of solar PV systems in a municipal committee or special task force? (yes/no) _____

2. If so, please list any committees, task force, local organization, or stakeholder that has worked with the municipality to address solar PV systems] _____

This form must be completed and received by the County on or before April 1, 2015, to be eligible for assistance.

PLEASE MAIL, EMAIL, or FAX to:
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www.dvrpc.org/EnergyClimate/aeowg.htm

www.narc.org/solarready