



Office of Pollution Prevention and  
Energy Assistance



# Finding Pennsylvania's Solar Future

A 30 Month Scenario Planning and Stakeholder Engagement  
Project to Identify Tomorrow's Solar Development and  
Investment Strategies in Pennsylvania

This project is funded by a \$550,000 award from the  
U.S Department of Energy's SunShot Initiative.

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# Finding Pennsylvania's Solar Future

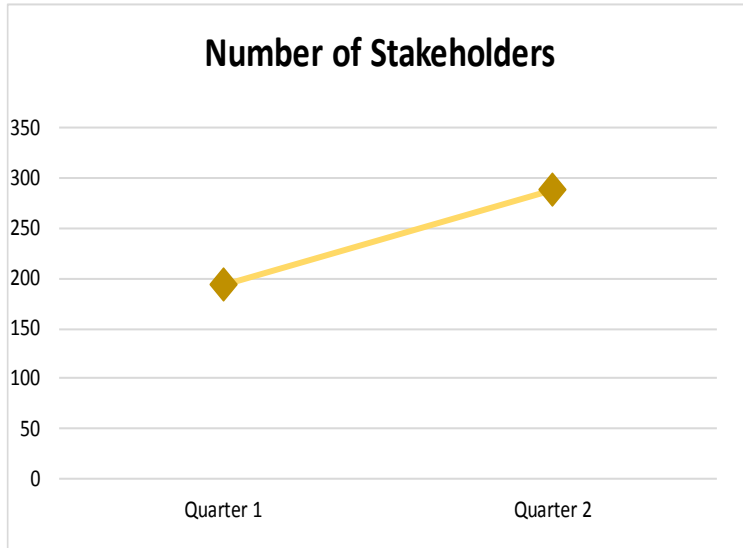
## Project Team

- U.S. Department of Energy, SunShot Initiative
- Pennsylvania Department of Environmental Protection
- Citizens for Pennsylvania's Future
- Vermont Energy Investment Corporation
- Pennsylvania Solar Energy Industries Association (PASEIA)
- Penn State University, Solar Ecology Program, EMS Energy Institute
- Solar Unified Network of Western PA (SUNWPA)
- Sustainable Futures Communications, LLC

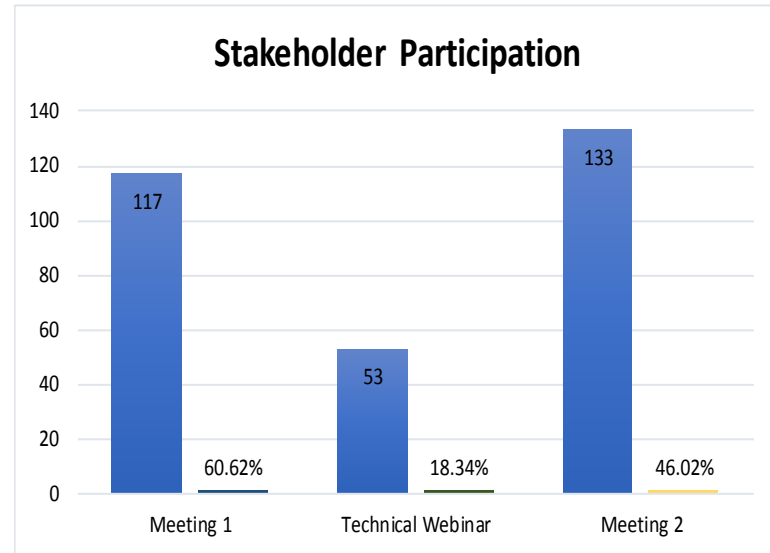
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## Stakeholders

Number of Stakeholders



Stakeholder Participation



Total Number of Stakeholders per Quarter

Quarter	Number of Stakeholders
Quarter 1	193
Quarter 2	289

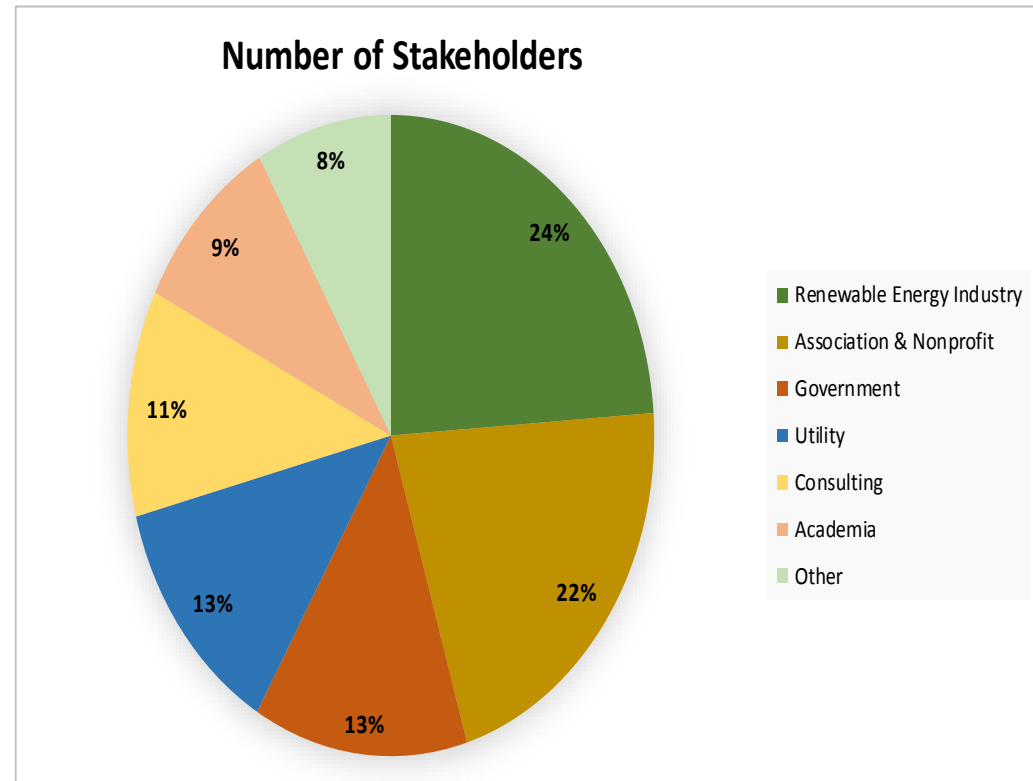
Stakeholder Participation

Event	Number of Participants	Number of Stakeholders	Stakeholder Percentage
Meeting 1	117	193	60.62%
Technical Webinar	53	289	18.34%
Meeting 2	133	289	46.02%

# Finding Pennsylvania's Solar Future

## Stakeholders

Stakeholder Sector Distribution	
Sector	Number of Stakeholders as of June 30, 2017
Renewable Energy Industry	69
Association & Nonprofit	62
Government	38
Utility	36
Consulting	33
Academia	27
Other	24
<b>Total:</b>	<b>289</b>



## PA Solar Future Goals

1. Create a sustained engagement period
2. Create a shared vision and develop an effective Solar Future plan
3. Exceed the current 2021 AEPS (0.5%) goal
4. Develop a plan and implement a strategy that aims at reaching 10% of Pennsylvania's retail electricity sales generated from in-state solar production by 2030
  - Assume 150,000,000 MWh retail sales in PA by 2030
  - 10% goal = 15,000,000 MWh from solar
  - Capacity needed = 13,600 MW
    - Current capacity in PA ~300 MW
    - ~13,300 MW to be installed by 2030

# What's Happening Today?

## Discussion, Share, Debate:

- By 2030 who owns how much of the solar resources in Pennsylvania?
- Solar integration into the PJM grid - how renewable energy impacts electricity reliability
- How do potential alternative rate designs impact distributed generation?

## Reports:

- Latest VEIC modeling results based on the information gathered at the June 8 meeting

## New Ideas:

- Identify and develop critical information for further testing and analysis
- Develop workgroup outlines to demonstrate how your most important pivotal factors specifically impact PA's Solar Future.



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