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The Utility Scale Solar Energy Coalition is the trade organization representing utility scale solar developers, manufacturers, and industry leaders in the state of Ohio.

[ohiosolarcoalition.com](http://ohiosolarcoalition.com)

Formed in 2020, USSEC has been working to provide industry perspectives and data to help inform a constructive dialogue with the Ohio Power Siting Board and other decision makers around the state.



# Why Ohio?

Geography  
Topography  
Greenfield Development  
Panels More Efficient  
Manufactured Here In Ohio  
Demand For Clean Energy  
Eastern States RPS  
Solar Irradiance Levels

LOWER COST

*According to NREL, the cost of silicon solar cells has fallen from \$76 per watt in 1977, to \$0.20 per watt in 2020.*

BlackRock

# Sustainability goes mainstream

2020 Global Sustainable Investing Survey

**425**

investors

**27**

countries

**\$25tn**

assets under management

**Respondents are planning to double their sustainable assets under management in the next five years.**



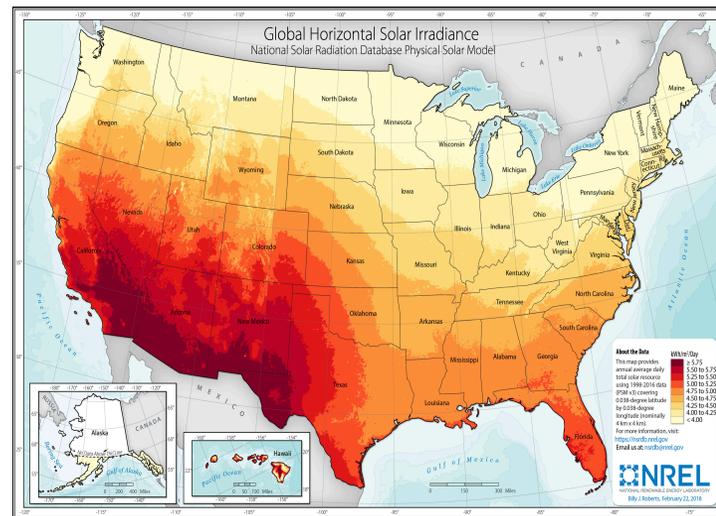
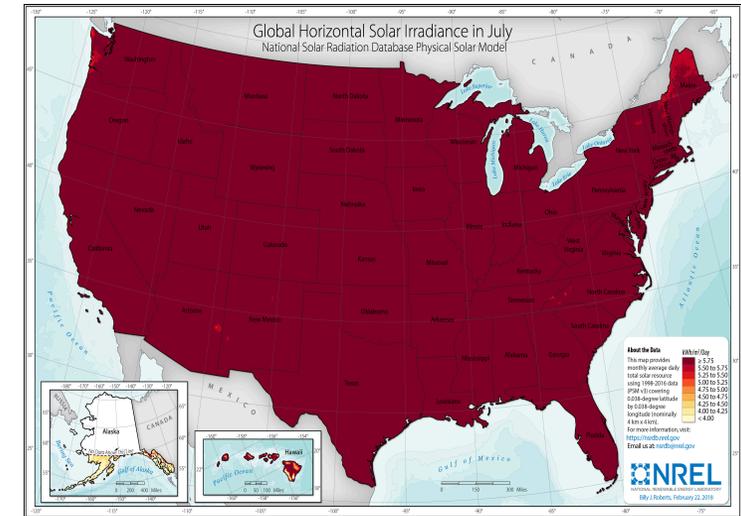
GENERAL MOTORS



# Average

# July

# Solar Irradiance Levels In Ohio



# What Is It Doing For Ohio?

- Bringing business
- Providing the energy in demand from Ohio
- Keeping farms in the family
- Preserving farmland in agricultural communities

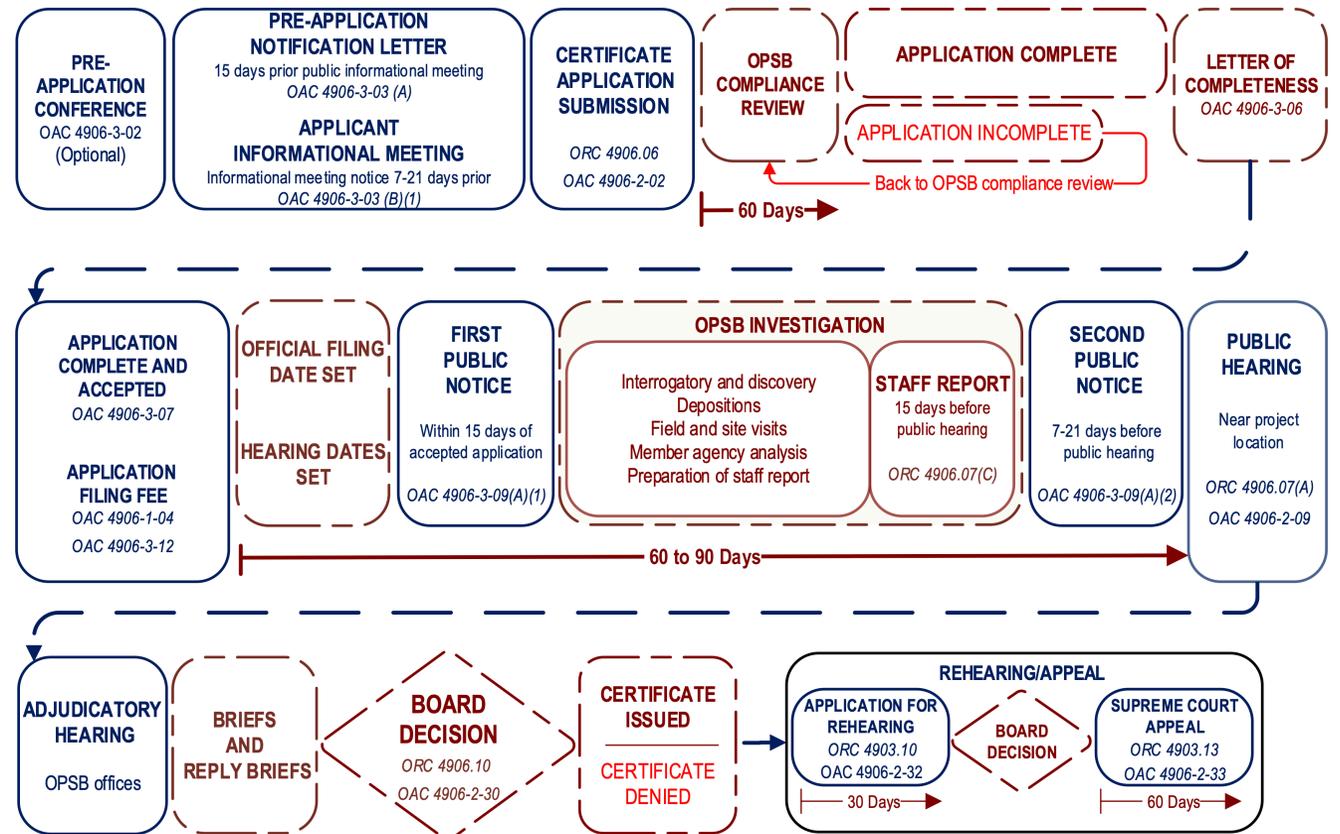


# The Ohio Power Siting Board



Power Siting Board

## STANDARD APPLICATION PROCESS FLOWCHART



# OPSB Solar Case Status



Notes: Project locations are provided by applicants. Case and construction status is determined by the case filings. The nameplate capacity shown is the maximum capacity that could be built based on the number of approved photovoltaic panels and the highest nameplate capacity of the approved panel models.  
 \*Pre-Application project locations, capacity, and acreage may be approximated. Acreage for Cepheus not yet available.  
 \*\*OPSB Certificate Approved MW and acreage values include "Under Construction" and "Operational" MW and acreage values.

# The Power of Numbers

Operational Solar		Approved Solar		Potential Solar (Pending and Pre-application)	
Approved MW:	150	Approved MW:	2,046.6	Potential MW:	4,451.9
<b>Operational Solar Facilities (50 MW or greater)</b>					
Case Number	Related Cases	Project Name	Operational Date	County	MW
17-0773-EL-BGN	NA	Hardin I	2/5/21	Hardin	150
<b>TOTALS:</b>					150
<b>Approved Solar Facilities (50 MW or greater)</b>					
Case Number	Related Cases	Project Name	Approval Date	County	MW
17-0774-EL-BGN	NA	Vinton	9/20/18	Vinton	125
17-1152-EL-BGN	18-1267-EL-BGA	Hillcrest*	2/15/18 2/21/19	Brown	200
18-1024-EL-BGN	NA	Willowbrook I	9/17/18	Brown, Highland	150
18-1334-EL-BGN	NA	Highland	5/16/19	Highland	300
18-1360-EL-BGN	20-1321-EL-BGA	Hardin II*	5/16/19 1/21/21	Hardin	170
18-1546-EL-BGN	NA	Nestlewood	4/16/20	Brown, Clermont	80
19-1823-EL-BGN	NA	Madison	3/18/21	Madison	196
19-1880-EL-BGN	NA	Atlanta Farms	12/22/20	Pickaway	199.6
19-1881-EL-BGN	NA	Madison Fields	1/21/21	Madison	180
20-0972-EL-BGN	NA	Yellowbud	2/18/21	Pickaway, Ross	274
20-1288-EL-BGN	NA	New Market	3/18/21	Highland	65
20-0979-EL-BGN	NA	Arche	4/15/21	Fulton	107
<b>TOTALS:</b>					2,046.6
<i>*under construction</i>					
<b>Pending and Pre-application Solar Facilities (50 MW or greater)</b>					
Case Number	Project Name	Filing Date	County	MW	
18-1578-EL-BGN	Alamo	12/10/18	Preble	69.9	
18-1579-EL-BGN	Angelina	12/3/18	Preble	80	
20-1084-EL-BGN	Powell Creek	10/7/20	Putnam	150	
20-0931-EL-BGN	Fox Squirrel	10/14/20	Madison	577	
20-1362-EL-BGN	Clearview	12/18/20	Champaign	144	
20-1380-EL-BGN	Ross County	10/30/20	Ross	120	
20-1405-EL-BGN	Union County	12/24/20	Union	325	
20-1529-EL-BGN	Wheatsborough	2/11/21	Erie	125	
20-1605-EL-BGN	Birch	2/12/21	Allen, Auglaize	300	
20-1612-EL-BGN	Mark Center	12/18/20	Defiance	110	
20-1677-EL-BGN	Cadence	2/1/21	Union	275	
20-1678-EL-BGN	Hardin III	2/11/21	Hardin	300	
20-1679-EL-BGN	Pleasant Prairie	2/19/21	Franklin	250	
20-1680-EL-BGN	Yellow Wood	2/24/21	Clinton	300	
20-1757-EL-BGN	Union Ridge	3/26/20	Licking	108	
20-1760-EL-BGN	Juliet	3/12/21	Wood	101	
20-1762-EL-BGN	Sycamore Creek	2/12/21	Crawford	117	
20-1814-EL-BGN	Dodson Creek	pre-application	Highland	117	
21-0004-EL-BGN	Tymochtee	4/29/2021	Wyandot	120	
21-0036-EL-BGN	Marion County	3/5/21	Marion	100	
21-0041-EL-BGN	Palomino	pre-application	Highland	200	
21-0117-EL-BGN	Kingwood	pre-application	Greene	175	
21-0270-EL-BGN	Nottingham	pre-application	Harrison	100	
21-0277-EL-BGN	Border Basin	pre-application	Hancock	120	
21-0293-EL-BGN	Cepheus	pre-application	Defiance	68	
<b>TOTALS:</b>					4,451.9

Under  
Construction



# Under Construction



# Under Construction



# Under Construction



# Under Construction



# Under Construction



# Under Construction



# Under Construction



# Under Construction



# Ongoing Research

## *The Impacts of Solar on Agricultural Production*



# Legislative Issues:

SB 52

&

HB 118

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