

## Utility-Scale Solar's Multi-Billion Dollar Industry and its Benefits to Ohio Communities

The Utility Scale Solar Energy Coalition of Ohio (USSEC), in partnership with Ohio University's Voinovich School of Leadership and Public Affairs, released the first ever comprehensive analysis of the job, economic impact and tax revenue potential for utility-scale solar investment in Ohio.



### ECONOMIC BENEFITS



### JOBS AND CAREERS

### HOMES POWERED

#### Aggressive Scenario

Construction = \$9.6 B  
 O&M annually = \$160 M  
 O&M total = \$6.4 B  
 PILOT annually = \$67.5 M  
 PILOT total = \$2.7 B

**Total Investment = \$18.7 B**

Construction jobs = 54,113  
 Sustained jobs = 618

**Total Jobs = 54,731**

1,508,374



#### Moderate Scenario

Construction = \$6.4 B  
 O&M annually = \$107 M  
 O&M total = \$4.3 B  
 PILOT annually = \$45 M  
 PILOT total = \$1.8 B

**Total Investment = \$12.5 B**

Construction jobs = 36,074  
 Sustained jobs = 413

**Total Jobs = 36,487**

1,005,582



#### Low Scenario

Construction = \$3.2 B  
 O&M annually = 54 M  
 O&M total = \$2.2 B  
 PILOT annually = \$22.5 M  
 PILOT total = \$900 M

**Total Investment = \$6.3 B**

Construction jobs = 18,039  
 Sustained jobs = 207

**Total Jobs = 18,246**

502,791



# Active Solar Projects



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|---|---|
| <ol style="list-style-type: none"> <li><b>1 Fox Squirrel</b><br/>(Madison, 400 MW)</li> <li><b>2 Yellowbud Solar</b><br/>(Pickaway/Ross, 274 MW)</li> <li><b>3 Atlanta Farms Solar</b><br/>(Pickaway, 199.6 MW)</li> <li><b>4 Madison Solar Farm</b><br/>(Big Plain)<br/>(Madison, 196 MW)</li> <li><b>5 Madison Fields</b><br/>(Madison, 180 MW)</li> <li><b>6 Powell Creek Solar</b><br/>(Putnam, 150 MW)</li> <li><b>7 Arche Solar</b><br/>(Fulton, 107 MW)</li> <li><b>8 New Market Solar Farm</b><br/>(Highland, 100 MW)</li> <li><b>9 Angelina Solar</b><br/>(Preble, 80 MW)</li> </ol> | <ol style="list-style-type: none"> <li><b>10 Alamo Solar</b><br/>(Preble, 69.9 MW)</li> <li><b>11 Hecate Energy Highland Solar Farm</b><br/>(Highland, 300 MW)</li> <li><b>12 Willowbrook Solar</b><br/>(Brown/Highland, 150 MW)</li> <li><b>13 Vinton Solar</b><br/>(Vinton, 125 MW)</li> <li><b>14 Nestlewood Solar</b><br/>(Brown/Clermont, 80 MW)</li> <li><b>15 Hillcrest Solar Farm</b><br/>(Brown, 200 MW)</li> <li><b>16 Hardin Solar II</b><br/>(Hardin, 170 MW)</li> <li><b>17 Hardin Solar</b><br/>(Hardin, 150 MW)</li> </ol> |
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## Solar Potential

- Ohio is currently undergoing an energy transition, with at least nine coal-fired power plants closing since 2010
- Seven utility-scale solar projects already approved by the state and 10 additional projects pending, which amounts to a ten-fold increase in solar production in Ohio
- The cost of solar has declined by 70% over the last decade
- Ohio is ranked by Wood Mackenzie as the top state in the Midwest for solar development over next five years

## Solar Demand

- Facebook has committed to using 100% renewable energy by the end of 2020 and is building a data center in Central Ohio
- Amazon has committed to 100% renewable energy by 2025 and has multiple data centers in Ohio with 10 more being added over the next few years
- Google has committed to meet all new growth with renewable demand and is investing \$600 million in data centers in Ohio
- Community aggregations and large customer aggregations are requesting 100% local clean energy
- Renewable Portfolio Standards (RPS) across the PJM region are creating growing demand for clean energy in the state

*From a workforce perspective, large solar energy projects in Ohio will foster growth as part of the post-COVID recovery, as well as the formation of a supply chain for parts and materials, O&M services, and future research and development. In the current, pandemic-driven recession, solar energy can be a low-cost to government solution to boost the economy through short-term construction jobs, as well as enhancing tax revenues to geographies that would greatly benefit from such dollars.*

— Measuring the Economic Impacts of Utility-Scale Solar in Ohio, Ohio University