About the Hoosier Environmental Council

Indiana’s largest environmental advocacy organization

Education
Technical Assistance
Public Policy

hecweb.org/billwatch2019
facebook.com/hecweb
twitter.com/hec_ed
What I Will Cover

I. Rationale for a Rural Focus
II. Solar in Rural Indiana: A Snapshot
III. State Policy under Debate
IV. Potential Solar Policy
V. How You Can Grow Solar
Part I: Why focus on rural Indiana?
When we think of solar...
# The Fastest-Growing Occupations

Healthcare support and practitioner jobs account for 8 of the 15 projected fastest-growing occupations in the U.S. from 2016 to 2026.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Percent Change, Projected 2016-26</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solar photovoltaic installers</td>
<td>105.3%</td>
</tr>
<tr>
<td>Wind turbine service technicians</td>
<td>96.1</td>
</tr>
<tr>
<td>Home health aides</td>
<td>46.7</td>
</tr>
<tr>
<td>Personal care aides</td>
<td>37.4</td>
</tr>
<tr>
<td>Physician assistants</td>
<td>37.4</td>
</tr>
<tr>
<td>Nurse practitioners</td>
<td>36.0</td>
</tr>
<tr>
<td>Statisticians</td>
<td>33.4</td>
</tr>
<tr>
<td>Physical therapist assistants</td>
<td>30.8</td>
</tr>
<tr>
<td>Software developers, applications</td>
<td>30.5</td>
</tr>
<tr>
<td>Mathematicians</td>
<td>29.4</td>
</tr>
<tr>
<td>Bicycle repairers</td>
<td>29.4</td>
</tr>
<tr>
<td>Medical assistants</td>
<td>29.1</td>
</tr>
<tr>
<td>Physical therapist aides</td>
<td>29.1</td>
</tr>
</tbody>
</table>
Figure 2. Long-term price trend for solar and wind (source: UN IPCC).

- Produced Silicon PV Modules (Global)
- Onshore Wind Power Plants (Denmark)
- Onshore Wind Power Plants (USA)

Year: 1976, Average Price: 65 USD/W
Year: 1981, Average Price: 2.6 USD/W
Year: 1984, Average Price: 4.3 USD/W
Year: 2009, Average Price: 1.4 USD/W
Year: 2010, Average Price: 1.4 USD/W
Jobs in Indiana (2018)

Subsector Level

Solar

Coal Mining
Rural Indiana is taking note...
Part II: Snapshot of Rural Solar
Ways We Can Think About Solar in Rural Indiana

• By size
• By arrangement
• By owner
Municipal Owned

- 17 of their 20 parks are in rural areas
- 0.24 MW to 8 MW
Rural Electric Owned

- Three by Wabash Valley, less than 1.7 MW
- Ten by Hoosier Energy, 10 MW total
- But major, major projects on the way
Investor Owned Solar Assets

Duke (PPA), all 5 MW:
• Pasttime Farm (Clay)
• Sullivan Solar (Sullivan)
• McDonald Solar* (Vigo)
• Kokomo Solar* (Howard)

Vectren:
• Troy Solar Farm (50 MW, Spencer)
Investor Owned Solar Assets

I & M:
- Deer Creek (2.5 MW in Grant)
- Olive Solar (5 MW in St. Joe*)
- Twin B Branch (2.6 MW in St. Joe*)

IPL:
- 97 MW in an urban county
Customer Owned

• 154 Rural Energy for America solar electric projects (2003-2018) of 889
• Many more
  – In REMC service territory
  – In IOU service territory
Indiana is – temporarily -- better than our neighbors, but $\frac{1}{4}$ the percentage of Minnesota’s as of today...
Yet a Long Way to Go: 0.43%

Contrast with:

• California – 16%
• Nevada – 12%
• Hawaii – 11%
• Vermont – 9%
• Utah – 7%
• Massachusetts – 7%
• Arizona – 6%
• New Jersey – 4%
Part III:
Solar Policy Under Discussion
Over a Month of the Session Left

Adjournment projected for April 26th – this year is a “long session” or “budget session”
Post-2018 elections:

House: 67 vs. 33
Senate: 40 vs. 10
The Legislature and the Quality of Public Policy

1.) Part-time lawmakers + Part-time assts.

2.) Primary elections are often more significant than general elections

3.) Special interest vs. Public interest presence
SB 430

Restores net metering
HB 1331

Reduces regulatory burdens for prospective solar owners in Homeowner Assoc. areas
HB 1470

Reduces IURC oversight, risks of higher fixed fees, which impact solar incentive
SB 472 Amendment

Establishes Energy Task Force
Part IV:
Next Generation of Solar Policy
Third Power Ownership Authorization

Solar Lease

PPA

Purchasing a System
Community Solar
Local Needs

- Uniform permitting
- HOA appeals process
- Solar licensing
- Brownfield funds
Utility Needs

- Open IRP
- Controlling fixed charge hikes
Part V:
How You Can Grow Solar
1.) Add the following office numbers to your cell phone

Your Congressperson, State Senator & State Rep can be found at:

bit.ly/INLegis

(case sensitive!)
What bit.ly/INLegis sends you to

http://iga.in.gov/legislative/find-legislators/
2.) Sign Up to Stay Informed

A. Be sure to sign up for our social media.
facebook.com/hecweb
twitter.com/hec_ed

B. Mark your calendar with upcoming events (via Facebook, hecweb.org/events).
3.) Attend Town Hall Meetings

“Third House” or “Cracker Barrel” meetings
Find out where they are:
hecweb.org/billwatch 2019
4.) Stay in Touch

Reach us at energy@hecweb.org

- Propose ideas to accelerate solar energy
- Suggest communities prime for discussion