

Solar Facilities



Solar energy farm in New Castle, Indiana

WHEN THE SUN SHINES, HOOSIER ENERGY AND ITS MEMBER SYSTEMS BEAM.

In 2014, Hoosier Energy announced a 10-megawatt solar program as a part of an “all-of-the-above” power supply strategy to provide the best balance for an affordable, reliable energy for member systems.

The program consists of 10, one-megawatt solar arrays that are being installed across southern Indiana for the benefit of all 18 of Hoosier Energy’s member systems. Three sites were connected to the grid in 2015, four more are being added in 2016 with the remaining three following in early 2017.

A key goal of the solar program is to learn how this variable energy resource integrates onto the grid and how solar might offset the

need for other more costly energy resources during periods of high demand. Once collected, this information will help member distribution systems give advice to member consumers on the operational issues, costs and benefits of solar as a renewable energy resource.

Each photovoltaic solar array is capable of producing enough electricity for about 150 homes and businesses. Collectively, the solar sites will provide approximately 20,000,000 kilowatt-hours (kWh) of energy annually for the 300,000 consumers served by Hoosier Energy’s 18 member distribution cooperatives.

Solar Fast Facts

1,000 kW
SINGLE AXIS TRACKING SOLAR

2,000,000 kWh/YEAR
ENOUGH POWER FOR APPROXIMATELY 150 HOUSES

4,100 PANELS

25 YEARS
PROJECTED LIFESPAN

10 ACRES
9 FOOTBALL FIELDS

18 INVERTERS
TO CONVERT
DC ELECTRICITY TO AC

3 MONTHS
TO BUILD AND INTERCONNECT

GROWTH IN CO-OP SOLAR Co-op solar nationwide has risen dramatically over the last several years, with more capacity coming on line all the time. Co-ops plan to add at least 377 more megawatts through planned projects or power purchases agreements in the next two years alone.

Capacity (MW)	2010	2011	2012	2013	2014	2015 YTD	Planned 2014-20
Solar PV	39	46	63	83	98	153	347
Community PV	1	1	6	9	11	24	30
Total	40	47	69	92	109	177	377

RENEWABLES RESOURCE CAPACITY

From Hoosier Energy, your cooperative's power supplier

TOTAL CURRENT RENEWABLE RESOURCES
89 MW

PLANNED ADDITIONAL RENEWABLE RESOURCES
LANDFILL: **20 MW** WIND: **75 MW**

PERCENT OF RENEWABLE ENERGY BY YEAR

2014

3%

2015

4%

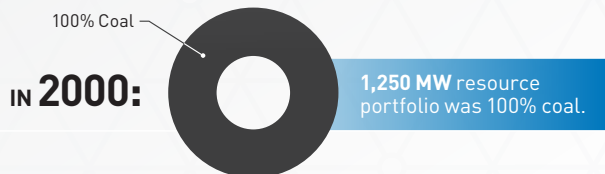
2018
PROJECTED

8%

2025
PROJECTED

10%

HOOSIER ENERGY AND MEMBER SYSTEMS COMMITMENT



RENEWABLE RESOURCES INCLUDE

LANDFILL GAS

COALBED METHANE

HYDRO

WIND

AND OTHERS

Source: NRECA