



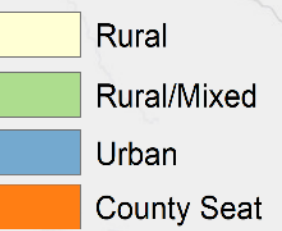
Rural Energy

Indiana Office of Energy Development

NASEO ENERGY POLICY OUTLOOK CONFERENCE

FEBRUARY 8, 2023

Purdue
Rural/Urban
Classification

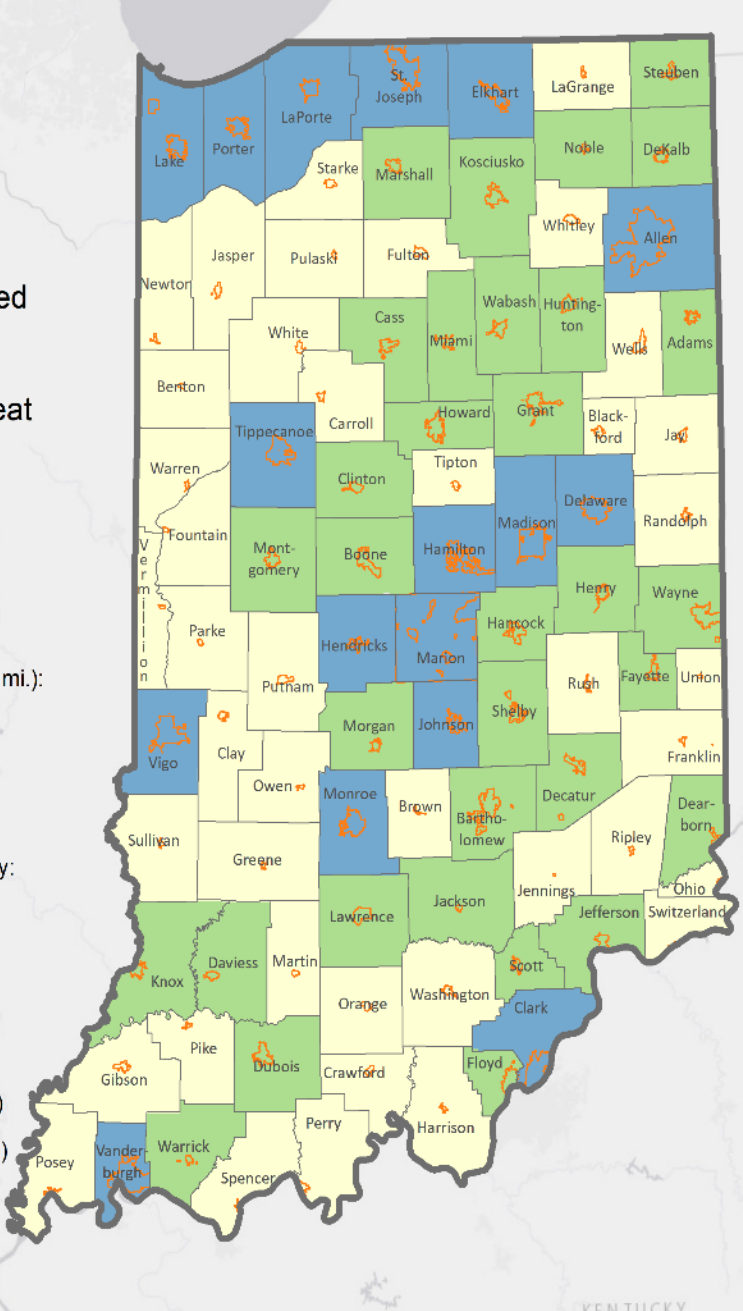


Population:
 Rural - Less than 40,000
 Rural/Mixed - 40,000 – 100,000
 Urban - Over 100,000

Density (people per sq. mi.):
 Rural - Less than 100
 Rural/Mixed - 100 to 200
 Urban - Over 200

Population of largest city:
 Rural - Less than 10,000
 Rural/Mixed - 10,000 to 30,000
 Urban - Over 30,000

Identity:
 Rural - Rural with small town(s)
 Rural/Mixed - Rural with larger town(s)
 Urban - Urban/suburban



Indiana Agriculture

- 82% of Indiana’s counties are either rural or a mixed rural/urban
- 38% of Indiana’s population lives in a rural or a mixed rural/urban county (14%: rural; 24%: mixed rural/urban)
- Agriculture contributes \$31.2 billion to the state economy
- 8th largest state exporter of agriculture products
- More than 56,000 farming operations in the state, with an average farm size of 264 acres.

Sources: Janet Ayres, Brigitte Waldorf
 Department of Agricultural Economics
 Purdue University

Indiana Energy

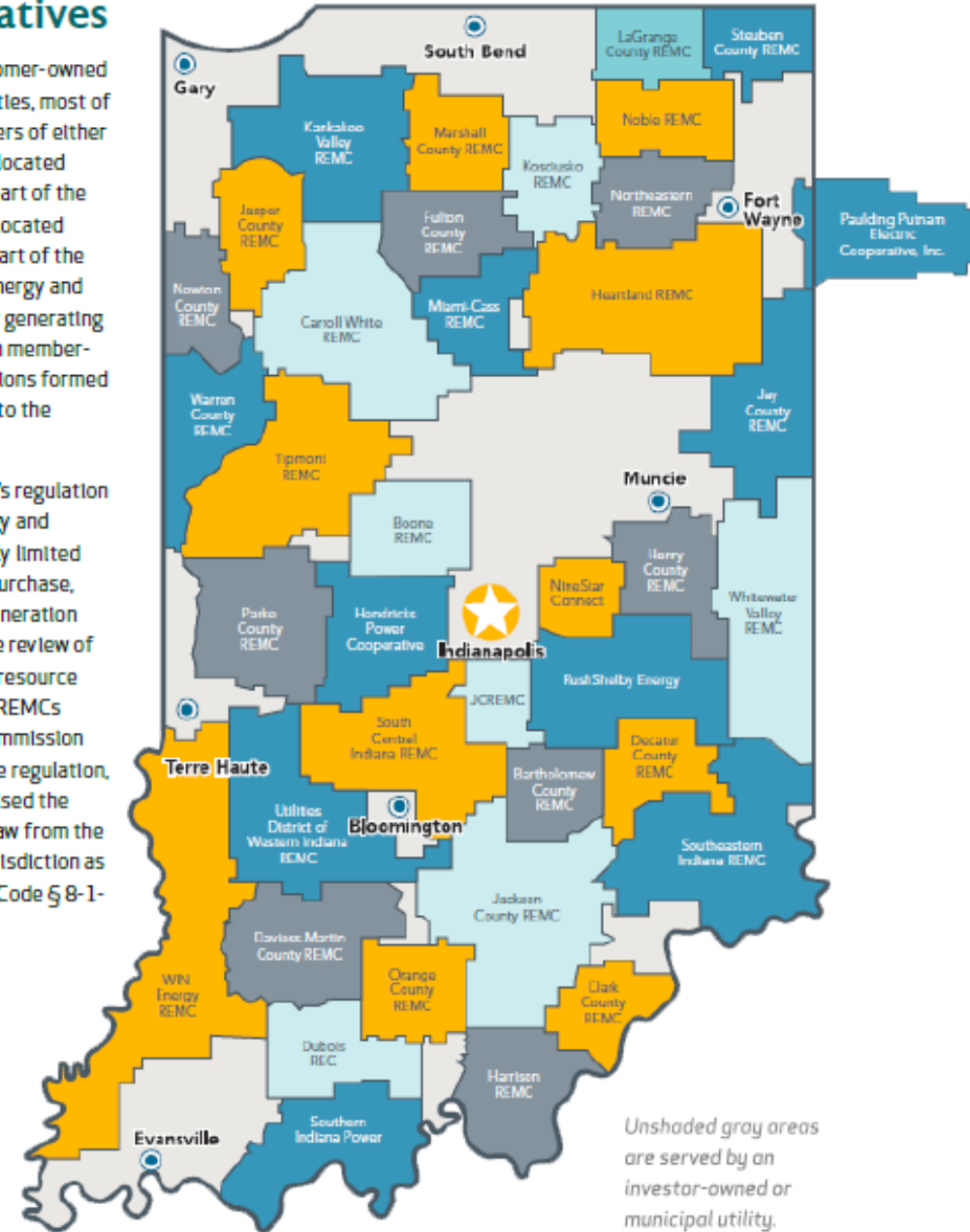
- 5 investor-owned utilities
- 72 municipal-owned utilities
- 38 rural electric membership cooperatives
- \$91 million from USDA Electric Loan Program
 - 4 rural REMCs/utilities in Indiana

Rural Electric Membership Cooperatives

REMCs are customer-owned distribution utilities, most of which are members of either Hoosier Energy, located in the southern part of the state, or WVPA, located in the northern part of the state. Hoosier Energy and WVPA are power generating and transmission member-owned organizations formed to supply power to the REMCs.

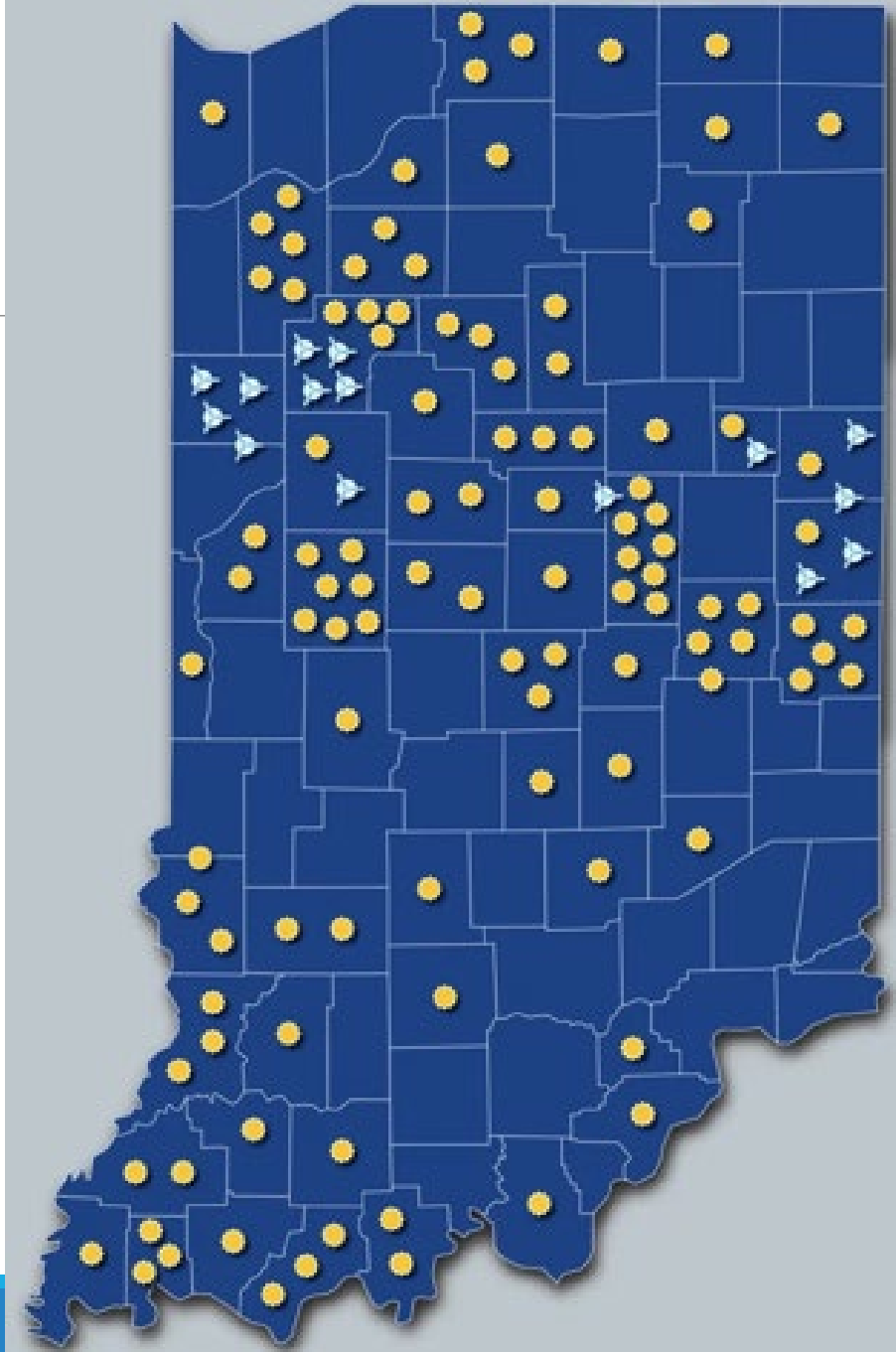
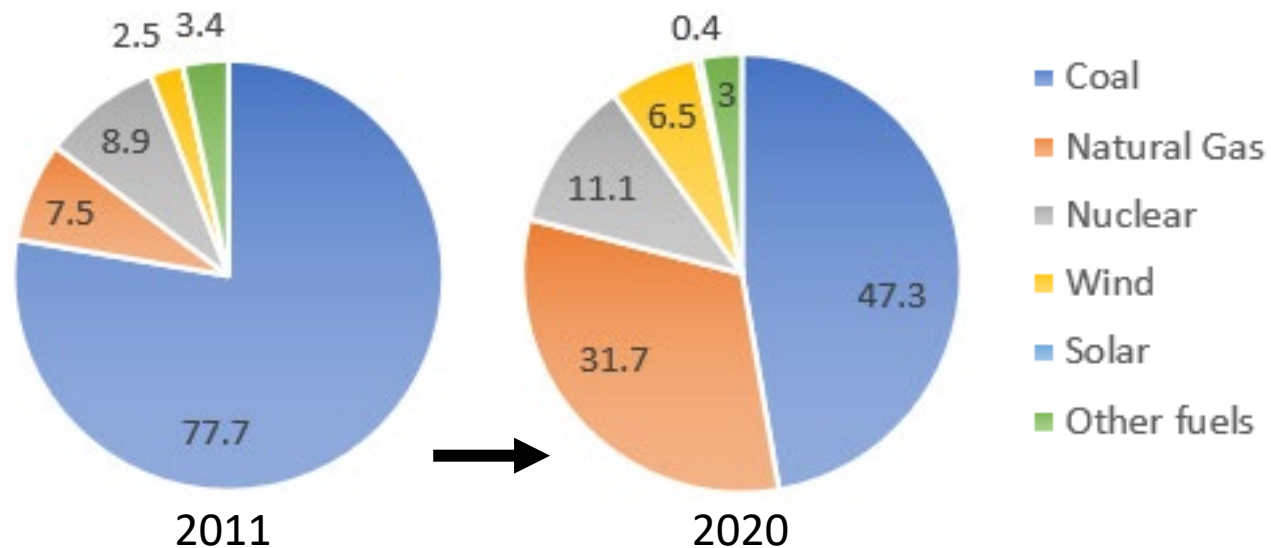
The Commission's regulation of Hoosier Energy and WVPA is primarily limited to decisions to purchase, build, or lease generation facilities, and the review of their integrated resource plans (IRPs). No REMCs remain under Commission authority for rate regulation, as all have exercised the option to withdraw from the Commission's jurisdiction as provided by Ind. Code § 8-1-13-18.5.

INDIANA ELECTRIC COOPERATIVES - MEMBER COOPERATIVES



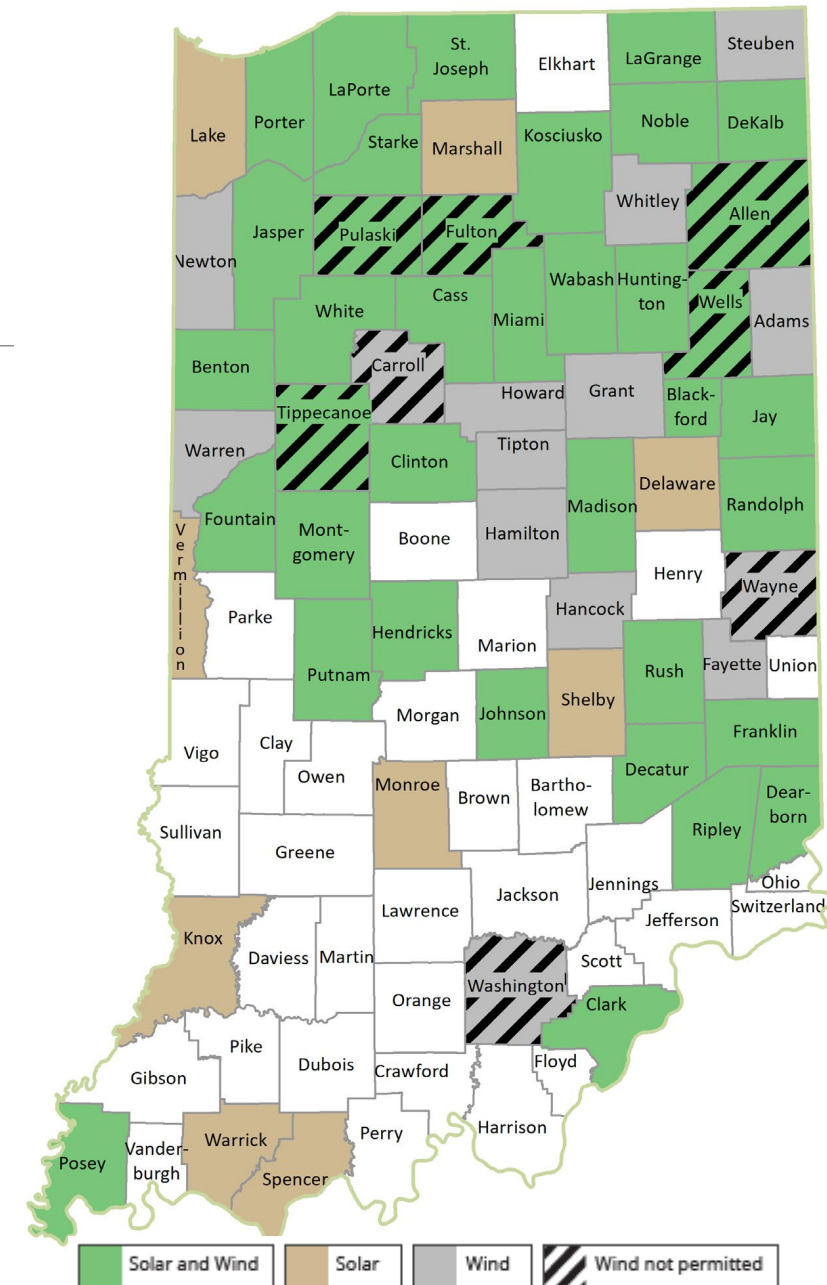
Indiana Energy

- Rapidly changing fuel mix
- 4th in the nation for new clean energy development
- Home to largest planned solar farm in the U.S.



Rural Clean Energy

- Patchwork of wind and solar ordinances
- Voluntary standards created in 2022
- Wind Ready Communities
 - 52 / 92 counties have ordinances
 - 8 do not permit any wind
 - 2 fully meet the standards
- Solar Ready Communities
 - 54 / 92 counties have ordinances
 - Zero fully meet the standards





Rural Energy Tours

- Opportunity for local official and community members
- 2 Tours in 2022, showcasing:
 - Biodigester
 - Wind Farm
 - Solar Farm
 - Ethanol production plant
- More to come in 2023



Rural Energy Innovation Grant Program

- State Energy Program funding
- 2 Rounds of Applications
 - 10 applications 2019
 - 36 applications in 2020
- 16 projects awarded
- ~ \$550,000 total
- All eligible SEP activities
 - Energy efficiency projects
 - Renewable energy
- OED Approach
 - Emphasis on saving costs. Secure, reliable, affordable energy
 - Rural = 30,000 residents or fewer
 - Farms, small towns, businesses, etc
 - Simple application

FFA Training Center



Indoor & Outdoor
LED Lighting



HVAC
Lighting
Windows & doors

Small business in Wakarusa



Huntington University



Rooftop solar



More examples

- Chiller for Greene County Hospital, a public rural Critical Access Facility
- Lighting at rural convenience store cooperatives
- Cooler for produce storage at Melon Acres
- Wabash Heartland Innovation Network: Student-led study of 5 manufacturing facilities for energy efficiencies
- Grain bin dryers*

Thank you



Julie Kempf

Policy Director

Indiana Office of Energy Development

jkempf@oed.in.gov