



Power Up Iowa, an initiative of the American Clean Power Association, is a statewide coalition of renewable energy supporters advocating for local, state, and federal policies and initiatives that enhance Iowa's wind and solar energy investment. By educating, raising awareness, and participating in conversations with our state's leaders, Power Up Iowa will help make the case for renewable energy investment to revive and drive our local economies.

**\$57.4 M**

IN ANNUAL LOCAL & STATE TAX REVENUE  
FROM RENEWABLE ENERGY

**\$23 B**

IN CAPITAL INVESTED IN WIND, SOLAR, AND  
ENERGY STORAGE PROJECTS

**4 M**



HOMES THAT CAN BE POWERED BY WIND  
AND SOLAR

**\$68.4 M**



IN ANNUAL LAND LEASE PAYMENTS TO FARMERS

**#3**



IN THE NATION FOR CLEAN  
POWER CAPACITY

**#1**



NATIONALLY FOR SHARE OF CLEAN  
POWER PERCENTAGE

**5,200 JOBS**

ARE POWERED BY RENEWABLE ENERGY



**58%**



OF ALL ELECTRICITY PRODUCED IN IOWA  
COMES FROM RENEWABLE ENERGY

**Join Our Alliance.**

Support policies that harness the potential of renewable energy in Iowa.

Visit [PowerUpIowa.com](http://PowerUpIowa.com)



## Job Creation



### **Renewable energy developments create jobs during construction and permanent jobs during operation.**

- Beyond direct employment for a project, the industry supports jobs along the supply chain, including construction, transportation, and manufacturing. Furthermore, the economic activity spurred by construction supports local businesses.
- Iowa is a wonderful example of this. The average renewable energy project in Iowa creates 200 jobs during construction and ten permanent jobs. According to the Bureau of Labor Statistics, solar installers and wind turbine technicians are two of the fastest-growing careers in the nation. And these are careers that can be entered into with only a two-year degree, which many community colleges offer across the state of Iowa. The renewable energy industry also hires veterans at a higher rate than most other industries, making it an attractive option for someone leaving the military.
- Renewables in our state also attracted companies like Facebook and Amazon to the region, which put more Iowans to work. The more renewable energy Iowa has in its power mix, the more attractive it is for companies prioritizing sustainability to locate operations here. The renewable industry supports jobs in the heart of rural Iowa, enabling young people to make a good living in the communities where they grew up.

The average  
renewable energy  
projects creates



**200**  
Jobs





## Economic Prosperity



### **Renewable energy provides many benefits to local communities.**

- The positive economic impact renewable energy creates is often unparalleled. Renewable projects provide additional revenue for state and local governments to improve infrastructure and public services, such as roads, bridges, schools, and emergency services.
- Renewable energy is a smart approach to economic prosperity for communities. The more renewable energy Iowa has in its power mix, the more attractive it is to companies prioritizing sustainability to locate operations in the state. Iowa is working its way toward becoming a technology hub with companies like Facebook, Apple, Google, and Microsoft locating in here due to the state's clean energy leadership.

## Property Values

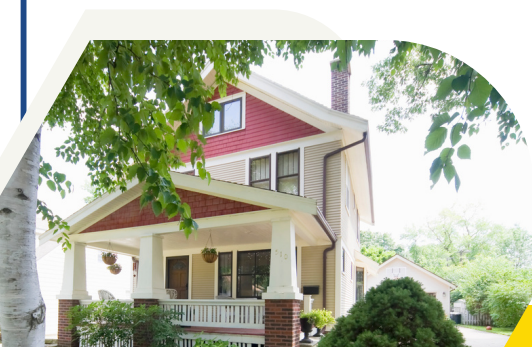


### **Comprehensive studies have shown that renewable energy projects, specifically solar projects, don't affect property values long-term.**

- Renewable energy drives economic development in host communities and supports local municipal services that benefit all property owners by driving financial investment and tax revenue.
- Strong schools, public services, and communities are beneficial to property values, not detrimental.
- Renewable tax revenue improves community infrastructure and services while also keeping local taxes low – all factors that can positively influence property values.
- The most comprehensive study to date, published in a peer-reviewed journal in 2015 by researchers from the Lawrence Berkeley National Lab (LBNL), the Federal Reserve Bank of Kansas City, Texas A&M University and San Diego State University, and involving data from more than 50,000 home sales among 27 counties in nine U.S. states concludes:

*"We find no statistical evidence that home values near turbines were affected in the turbine post-construction or post-announcement/pre-construction periods."*

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## Reliability

**More than half of Iowa's electricity is generated by renewable energy.**

- Wind and solar power bolster the electric grid's reliability by diversifying our energy portfolio with an all-of-the-above approach to our state's energy strategy.
- As we continue to build out more projects with proper storage and transmission capabilities, we can further transition our state into renewable energy reliance without negatively impacting reliability.

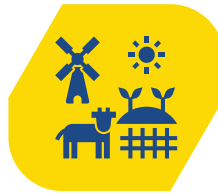


## Affordability & Resilience

- Renewable energy is uniquely able to offer fixed-price contracts because it has no risk related to fuel costs. Therefore, the cost of wind and solar power does not change with the market volatility of natural gas prices.
- Wind power helps hold down the price of other fuels. Wind's cost has declined by nearly 70 percent since 2009, making it the cheapest source of new electric generating capacity in many parts of the country, including Iowa.



# Land Use & Property Rights



**Project developers work directly with landowners who voluntarily seek to harvest the commodities of their choosing.**

- Renewable energy projects take up minimal land and provide a predictable source of income for farmers and ranchers in the face of droughts, floods, and other natural disasters. Renewable projects serve as a cash crop for landowners and aren't at do not fluctuate based on market value.
- In Iowa, farmers are impacted by a lot of things that are out of their control: flooding, drought, prices – even the occasional derecho. It should be their decision whether they want to continue farming traditional agriculture or whether they want to seek out a more consistent funding source by harvesting the sun or wind. The decision should be in their hands – not the governments' or their neighbors'.



# Agriculture & Rural Life



**Iowans take pride in the lush landscape and quiet surroundings.**

- Developers work with rural communities and landowners to carefully approach development and preserve the rural way of life.
- Landowners control the land and decide whether they harvest crops, the wind, or the sun on their property.
- Developers take extensive measures to preserve and reset soil, mitigate erosion, and have a low impact on agriculture production.
- Land lease payments are a consistent source of funding, one that many farmers use to supplement their farm incomes that a lot of outside factors can impact.



# Human Health



**Renewable energy projects make the air we breathe cleaner and healthier, and millions of people safely live and work near wind and solar developments every day.**

- Renewable power reduces U.S. healthcare costs through avoided air pollution and smog that triggers asthma attacks.
- Renewable energy in Iowa scales back pollution, having the same impact as removing more than 7 million cars from our roads. To put that in perspective, the total population of Iowa is under 3.5 million.
- Renewable energy operations have no widespread impact on human health.

# Climate & Environment



**Renewable energy will lead us into a brighter environmental future.**

- In Iowa, 59 percent of our generated electricity came from renewables in 2020. This number means that most of our power was generated in a clean, sustainable, carbon emission-free way.
- Over 32 million metric tons of carbon emissions have been avoided in Iowa thanks to renewable energy projects. That is the equivalent of taking more than 7 million cars off the road.

# Wildlife



**Renewable energy projects are carefully designed to avoid and minimize impacts on wildlife.**

- All energy sources impact nature, and wind and solar power are some of the safest while also creating population-level benefits for many species through reduced air and water pollution.
- Renewable projects can easily coexist with the local environment and often enhance the health of the surrounding ecosystem by reducing pesticide and herbicide use and runoff.
- Researchers are advancing new technologies that will make wind turbines even more compatible with bird and bat populations.

