Green Energy Ohio (GEO) is a statewide nonprofit organization dedicated to promoting sustainable energy policies, technologies, and practices.
GREEN ENERGY OHIO OBJECTIVES

- **To promote sustainable energy policies**, technologies, and practices of value to Ohio’s economy and environment.

- **To educate Ohioans** on the availability, use, and benefits of renewable resources and energy conservation and efficiency.

- **To represent a diverse membership**, including individuals, businesses, community and government entities, academic institutions, and nonprofit organizations who share GEO’s mission.
In 2020, Green Energy Ohio will celebrate 20 years of serving Ohioans and promoting clean energy through education, outreach, and representation.
GREEN ENERGY OHIO MEMBERSHIP

- Individuals with a commitment to a clean energy future
- Businesses engaged in the clean energy economy and companies pursuing clean energy options
- Academic programs and institutes focused on sustainability and clean energy
- Government and community entities engaged in sustainable practices and clean energy programs
On the basis of donations, events, and memberships, GEO has a presence in 54 of 88 counties.

**KEY**
- Substantial
- Considerable
- Medium
- Moderate
- Light
Green Energy Ohio is committed to hosting an annual series of regional events to share information and solicit input on the interests of the clean energy community.

In 2018, we visited eight local craft breweries around the state and in 2019, we hosted GEO Night at the Ballpark in five minor league cities. In 2020, we are looking forward to Picnics at the Zoo!

We have used these events as an informal and enjoyable way to connect with our members, meet new people, and learn about local issues.
FEEDBACK FROM LOCAL COMMUNITY MEETINGS

- Focus on technological diversity, with solar taking the lead.
- Explore opportunities for Growth.
  - Update the Green Energy Tour
  - Promote the availability of clean and affordable energy
  - Educate the today’s policymakers and tomorrow’s leaders
  - Increase collaboration with other organizations
  - Invest in local and regional programs
- Support public policy to advance clean energy.
LOCAL SOLAR WORKSHOPS

Growing Local Solar: Community-based tools to enable solar development in Ohio

- The workshops are designed to provide resources for local governmental officials and staff, and community solar activists.
- Presentations cover land use, building codes and zoning considerations, community aggregation and solar cooperatives, interconnection standards, and financing.
- Denison University, August 2018
- University of Dayton, March 2019
- Newburgh Heights, August 2019
- Ohio University, Spring 2020
“The Human Element” Documentary

- Renowned environmental photographer James Balog presents the impact of wildfires, hurricanes, sea level rise, air pollution, and coal mining on the lives of those directly affected.
- The film is followed by a panel discussion with experts from business, academia, media, and advocacy.
- Athens, February 2019
- Columbus, June 2019
- Dayton, November 2019
Green Energy Ohio’s 17th Annual Tour featured solar, wind, energy efficiency, biomass and other green designs featured in bus, guided, and open house tours.

In addition to the traditional residences and businesses, a variety of other sites participated, including schools, police stations, nonprofit organizations, and other public spaces.

The 71 sites were divided among 10 locations, each with their own Local Planning Team.

Building upon growing interest in electric vehicles, Kent, Licking County, and Cleveland tour locations paired an EV car rally with their tour.
EARTH MONTH

- Green Energy Ohio provides information on Earth Day events throughout Ohio during the month of April, promoting Earth Day celebrations on our website, through social media platforms, and in our monthly “Connections” newsletter.
- Staff and volunteers represent GEO at local Earth Day events.
- Earth Day 50th Anniversary is April 22, 2019
The 2019 event was held on April 25, 2019 in the LEED-Platinum John Elliot Center for Architecture and Environmental Design at Kent State University.

Representatives of the university spoke about the design & building of the Elliot Center and other sustainable projects on campus.

Green Energy Ohio’s current and future plans were discussed and the 2019 Green Achievement Award winners were celebrated.

The 2020 Annual Awards Ceremony and Reception will be held in Cincinnati on Friday, April 17.
GREEN ACHIEVEMENT AWARDS

The entities that we honor incorporate the values that Green Energy Ohio represents. They are innovators, collaborators, educators, and leaders in their respective fields.

- **2019 Green Achievement Award winners**
  - Business: Talan Products
  - Academic: Kent State University
  - Professional Association: The Ohio Hospital Association
  - Government: Ohio Department of Rehabilitation and Corrections

- **2018 Green Achievement Award Winners**
  - Business: Ecohouse Solar
  - Academic: Denison University
  - Non-Profit Organization: The Ohio Environmental Council
  - Government: Graham Local Schools, Saint Paris, Ohio
Green Energy Ohio partners with many of Ohio’s 15 research universities, 22 community and technical colleges, and over 40 independent colleges and universities.

Ohio higher education institutions offer all levels of degrees in programs related to environmental sciences, energy, and sustainability.

Students are educated to work in technical environments, in the public policy arena, and as entrepreneurs and innovators.

Institutions are integrating sustainability throughout their curriculum and facilities.
The Ohio Department of Rehabilitation & Correction (ODRC) offers offenders in the Richland Correctional Institution’s Reintegration Unit a chance to learn skills that contribute to their success after release.

The class provides 12-week training in solar technology & installation for approximately 20 offenders. Students spend 4 hours a week in the classroom and another 2 hours a week working on solar panel technology.

Three to five top performers are selected to take the ETA certification test. The students have a 94% passing rate with the majority scoring over 90% on the exam.
GEO opposed HB 6 as a tax on ratepayers that will only prop up aging and unsustainable nuclear plants, while at the same time stifling the development and deployment of new energy technologies that are engines of economic development for the state and its citizens.

GEO supports the referendum to put HB 6 to a vote of Ohio’s citizens on the November 2020 ballot.
GEO supports the collaborative process among public institutions, private entities, and community stakeholders to enhance sustainability, reduce carbon, and control energy costs in Northeast Ohio through the Icebreaker Wind project under development by LEEDCo.

GEO supports the commitment to develop utility-scale solar of benefit to customers and to the economic health of Appalachian Ohio through the AEP Ohio solar farm project in Highland County.
CLEAN ENERGY JOBS IN OHIO

- Ohio has the 3rd most clean energy jobs in Midwest and 8th in U.S.
- Clean energy jobs grew 4.6% in 2018, above the regional and national average
- Cuyahoga, Franklin, and Hamilton counties lead Ohio in clean energy jobs
- 74% of the jobs are in energy efficiency, 15% are in renewable energy generation, and 9% are in advanced transportation.

THERE ARE 112,486 CLEAN ENERGY JOBS IN OHIO
#CLEANJOBSMIDWEST
In 2018, wind energy provided 1.4% of all in-state electricity production.

Equivalent number of homes powered by wind in 2018: 170,400

Installed wind capacity: 729 MW; Ranked 25th

Total capital investment through 2018: $1.4 billion

State and Local Tax Revenue: $7 million; Annual land lease payments between $1-$5 million

Direct jobs in the wind industry: 1,080

60 manufacturing facilities producing a wide range of components for the wind industry
SUCCESS STORY: BLUE CREEK WIND FARM

- Began commercial operation in June, 2012.
- The project pays approximately $2 million in annual lease payments to local landowners.
- The project pays $2.7 million in annual payments (PILOT) to local taxing bodies.
- One of its primary customers is The Ohio State University at 50 MW, equal to approximately 25% the entire Columbus campus electricity load.
SOLAR ENERGY IN OHIO

- In 2018, solar energy provided .26% of state’s electricity generation
- Equivalent number of homes powered by solar in 2018: 28,000
- Installed Solar Capacity: 231.1 MW; Ranked 28th
- Prices have fallen 32% in the last five years
- Total solar investment in the state: $647.31 Million
- Statewide solar jobs: 7,162
- 290 solar companies, including manufacturers, installers & supply chain.
SUCCESS STORY: THE VILLAGE OF MINSTER

- The Village of Minster installed a unique municipal solar and energy storage project—the first of its kind—in 2015.
- The project is comprised of a 4.2MW solar facility co-located with a 7MW battery storage facility.
- The system helps the Village of Minster manage their energy during times of peak demand while also providing an option for reliable back up power.
ENERGY EFFICIENCY IN OHIO

- 7 in 10 clean energy workers in Ohio are involved in energy efficiency
- Energy efficiency sectors:
  - ENERGY STAR and efficient lighting
  - High efficiency HVAC and renewable H&C
  - Advanced materials
  - Reduce energy use
  - Build smarter and more efficiently
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