

2022

Annual Report



We spark curiosity about energy.



OEP Energizers,

The 2021-22 school year was a fantastic year for energy education. As educators still navigate the lingering impacts of a worldwide pandemic on classrooms across the state, one thing is certain: science education is critical.

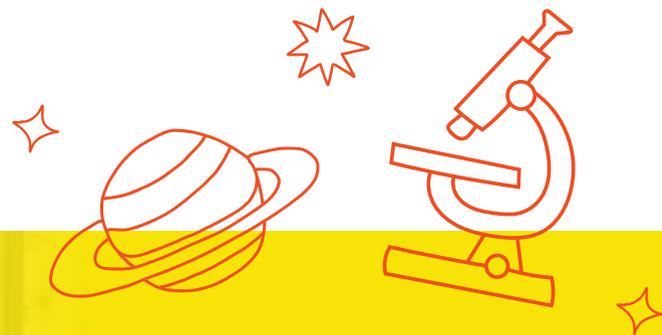
In 2021-22, OEP engaged 800+ teachers, 50,000+ students, and 45,000+ community members across a suite of 6 programs designed to spark curiosity about energy and empower all learners in science. From STEM Design Challenges focused on the engineering design process and renewable energy to an e3: energy • efficiency • environment pilot program poised to inspire environmental conservation in our youngest scientists, OEP empowered thousands of Ohioans to transform tomorrow through education today.

As always, all OEP programs are provided at no charge thanks to our generous partners and supporters. With budget barriers eliminated, teachers from all communities are welcome to join OEP in bringing critical energy science content to their classrooms and communities.

Please continue reading to learn more about every OEP program and, especially, to hear directly from Ohio's greatest resources, teachers and students. On behalf of OEP, including staff, board of trustees, teachers, and students, we appreciate your support over the past year.

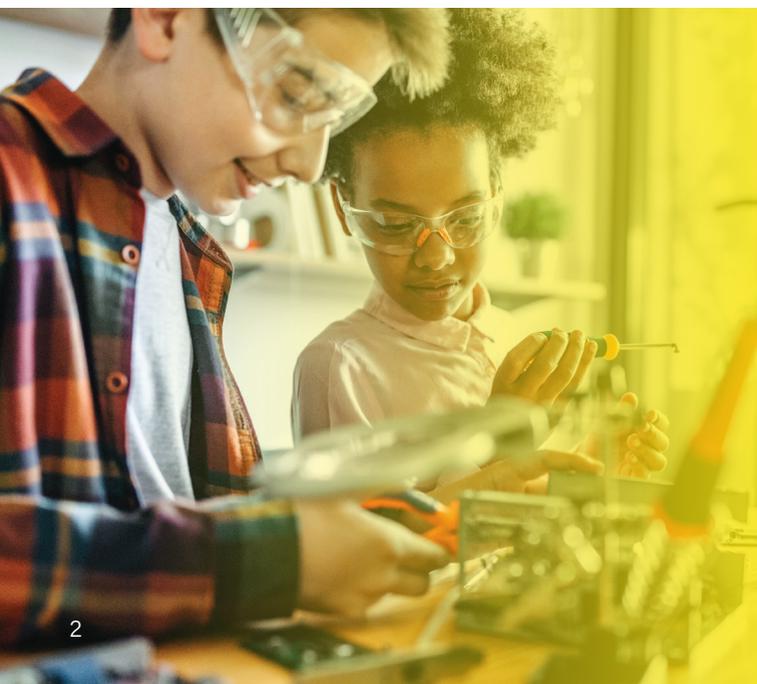
Shauni Nix

Shauni Nix
Executive Director, former OEP teacher



“The resources I have gained from being a part of this program have totally revamped a unit that otherwise lacked hands-on activities that are relevant to my student’s lives!”

— Abby Ryberg, Kettering Fairmont High School



About

Ohio Energy Project (OEP) is a 501c(3) nonprofit organization serving students, teachers, and communities in all things energy education. Through STEM-based, standards-designed classroom programs, OEP empowers the next generation to take charge of their future and lead their peers, families, and communities in energy literacy, sustainability, and conservation.



Mission

Inspire leadership and energy innovation in Ohio students and teachers.



Literacy

Exploring the science of energy with programs designed to empower learners with the basic building blocks they need to be our next energy experts.



Leadership

Cultivating confidence in STEM with programs designed to inspire learners to think critically, creatively, and comprehensively about energy science.



Sustainability

Building a better tomorrow with programs designed to engage learners in energy stewardship at home, at school, and in their communities.



Programs

Ohio Energy Project empowered tens-of-thousands of learners in energy education during the 2021-22 school year. From STEM Design Challenges positioned to spark student curiosity about wind energy to Energy 101 Professional Development tailored to meet critical classroom learning standards, OEP provided learners and educators alike the knowledge, tools, and opportunities necessary to be energy stewards in their schools and communities.



e3

In its pilot phase, e3 is a brand-new program illuminating the environmental impacts of energy usage for elementary learners. Focusing on energy fundamentals, energy at home, and energy around the world, e3 inspires our youngest learners to be stewards of the world around them.

Teachers Engaged: **5**

Students Inspired: **125**

Community Members Empowered: **250**

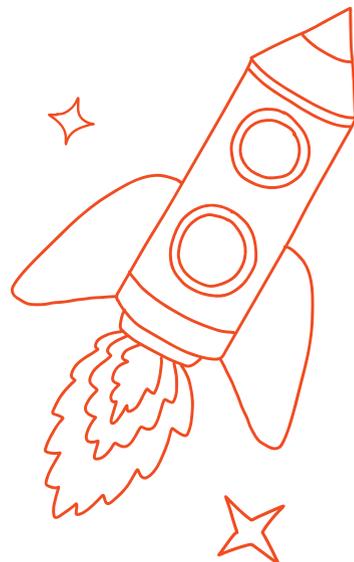
e3 Smart

Focusing on energy efficiency, e3 Smart connects textbook science concepts to real-world experiences for elementary, middle, and secondary learners. In the classroom, students learn all about the fundamentals of energy and how they relate to daily life. In the community, students share their knowledge utilizing energy efficiency kits as teaching tools for their peers and families.

Teachers Engaged: **345**

Students Inspired: **22,509**

Community Members Empowered: **45,018**



Careers in Energy

Highlighting careers right here in the Buckeye State, Careers in Energy connects elementary, middle, and secondary students with professionals in Ohio's rapidly growing energy industry. Utilizing Zoom technology, students are transported on a virtual field trip, touring energy sites behind the scenes from the comfort of their own classroom.

Students Inspired: **9,192**

Energy 101

Focusing on elementary educators, Energy 101 is a professional development series designed to build confidence in STEM and ignite passion for energy science. Each workshop is designed to meet specific grade level standards in energy science all the while providing the training, curriculum, and tools necessary to catalyze classrooms.

Teachers Engaged: **151**

Students Inspired: **7,300**

STEM Cycle Science

In this interactive program focused on transformations and electricity, elementary, middle, and secondary students learn all about energy utilizing the energy cycle—a bicycle wired to a circuit board powering various light bulbs and appliances. In taking this cycle for a spin, students discover just how much energy it takes to power our world.

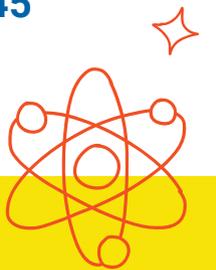
Students Inspired: **900**

STEM Design Challenge

Using the engineering design process, the STEM Design Challenge tasks elementary, middle, and secondary learners to create their very own wind turbine all the while learning about this renewable energy source.

Teachers Engaged: **345**

Students Inspired: **20,945**



"The students get very excited for our science lessons now, and I often have students tell me, 'I love science!' (something that few ever said before)."

– Cindy Bradley, Easthaven Elementary

Events

Lakeview Lighting Lab

In collaboration with educator Evan Ekis, OEP invited local partners and public figures to an e3 Smart classroom showcase at Lakeview Junior High School. Attendees witnessed middle school students explore the Lighting Lab, illuminating the science of electricity and the importance of energy efficient lighting at home.

Grind2Energy @ Dublin Jerome

In collaboration with educator Ashley Dulin-Smith, OEP attended Dublin Jerome High School's Grind2Energy demonstration. This waste-to-energy system is the first of its kind installed in a public K-12 institution and was instituted at Dublin Jerome after educator Ashley Dulin-Smith attended an OEP event showcasing the technology. Tons of cafeteria food waste will now be diverted from the landfill and will instead be converted to energy thanks to this rockstar teacher who converted inspiration into action!

Youth Energy Celebration

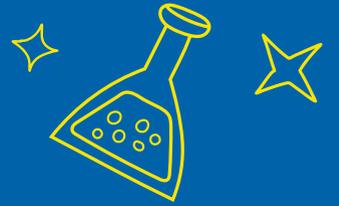
Over 400 attendees gathered at the Columbus Zoo & Aquarium for a day of energy learning and celebration of a transformative school year. Students visited energy stations where they learned all about the fundamentals of energy and enjoyed a complimentary luncheon program and visit to the zoo.

"OEP is one of my go-to's for engaging and exciting lesson material."

– Christopher Brown, Glandorf Elementary



Leadership



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- Ryan Stredney, Board Trustee
- Tim Street, Board Trustee
- Kristen Thompson, Board Trustee

- Stjepan Vlahovich, Board Trustee
- Eliza VanNess, Board Fellow
- Lila Appaya, Board Fellow

Special thank you to our recently retired Board Trustees, Barry Schumann and Bill Yost, for your many years of phenomenal service. You will be missed!

Staff

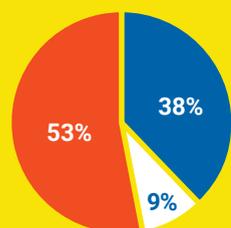
- Shauni Nix, Executive Director
- Kelsey Beach, Education Coordinator
- Abbey Thomas, Education Coordinator
- Rosey Vasquez, Education Coordinator
- Amanda Breckenridge, Education Coordinator
- Liza Richard, Finance & Human Resources Manager
- Jessica Sarber, Director of Development

Supporters

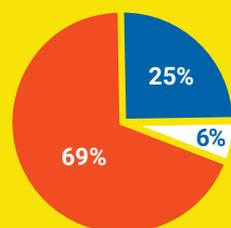
Thank you to our OEP community who continues to transform tomorrow through investing in energy education today.

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| AM Conservation | City of Worthington | Johnson Controls |
| American Electric Power Foundation | Columbia Gas of Ohio | NOPEC |
| American Municipal Power, Inc. | Go Sustainable Energy | NRG Energy |
| CenterPoint Energy | Harry C. Moores Foundation | Ohio Development Services Agency |
| City of Dayton | Honda of America Mfg., Inc. | Ohio's Electric Cooperatives |
| City of Westerville | IGS Energy | And a special thank you to all those that individually supported OEP during the 2021-22 school year! |
| | Infosys Foundation USA | |

Financial Governance



Expenses
 Personnel = 38%
 Operating = 9%
 Education = 53%



Income
 Fees for Service = 69%
 Government = 25%
 Contributions = 6%



ohioenergy.org
614-785-1717

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We spark curiosity about energy.