



## Ohio Clean Energy Projects

**Current Approx. Funding Total:** \$889,865,710

**Programs:** 20

**Projects:** 219

- **Clean Energy Manufacturing Projects (Blue Pushpin)**

**1. Advanced Energy Manufacturing Tax Credit 48 (C)**

**Description:** To award tax credits for qualified investments in advanced energy projects to support new, expanded, or re-equipped domestic manufacturing facilities.

**8 Projects:** including Xunlight Corporation in Toledo, Ohio and E.I. du Pont de Nemours and Co. in Circleville

**Total Funding:** \$124,981,680

**2. ARRA Advanced Battery Program**

**Description:** For U.S.-based manufacturers to produce highly efficient batteries and their components.

**2 Projects:** BASF Catalysts LLC in Elyria, Ohio and TOXCO Inc. in Lancaster

**Total Funding:** \$34,100,000

**3. Industrial Technologies Program (ITP)**

**Description:** To reduce energy intensity and carbon emissions by supporting the use of today's advanced technologies and energy management best practices.

**4 Projects:** including Air Products and Chemicals, Inc. in Middletown and EMTEC Research Team in Dayton

**Total Funding:** \$33,333,962

**4. State Energy Program Grants for Ohio Industry Energy Efficiency**

**Description:** For assistance to industry to decrease energy consumption leading to greater manufacturing efficiency and output.

**17 Projects:** including American Trim in Lima and Empire Die Casting Company, Inc in Macedonia.

**Total Funding:** \$10,943,247

**5. GE Lumination**

**Description:** For the solid state lighting program to develop Advanced Manufacturing Methods for Warm-White LEDs for General Lighting. This project seeks to develop precise and efficient manufacturing techniques for GE Lumination's "remote phosphor" platform of warm-white LED products named Vio™. The approach drives significant materials, labor, and capital productivity to achieve approximately 53% reduction in overall cost, while minimizing color variation in the Vio platform.

**Funding Total:** \$772,425

- **Energy Efficiency Projects (Red Pushpin)**

### **6. Energy Efficiency and Conservation Block Grant (EECBG) Program**

**Description:** To develop and implement programs that lower energy use, reduce carbon pollution and emissions, and create green jobs locally.

**44 Projects:** county and city governments including Cuyahoga County and Mentor.

**Total Funding:** \$ 84,183,300

### **7. Smart Grid Investment Grant (SGIG) Program**

**Description:** The largest single grid modernization investment in U.S. history, for a public-private investment to create a system that will promote energy-saving choices for consumers, increase energy efficiency, and foster the growth of renewable energy sources like wind and solar power.

**3 Projects:** City of Westerville, FirstEnergy Service Company in Akron and City of Wadsworth.

**Total Funding:** \$67,201,906

### **8. Ohio AEP**

**Description:** Funds to install approximately 111,000 advanced energy meters in northeast central Ohio in 2010 and to utilize new grid technology, plug-in hybrid electric vehicles, advanced energy appliances, and consumer systems that help customers manage electricity costs and use.

**Funding Total:** \$75,000,000

### **9. City of Painesville**

**Description:** DOE grant to support the Painesville Municipal Power Vanadium Redox Battery Demonstration Program. The project will improve the Painesville power plant's energy efficiency and reduce its carbon footprint

**Funding Total:** \$3,743,570

### **10. Cuyahoga Metro Housing Authority**

**Description:** Funds for the Authority's Garden Valley Phase III project. These funds allocated by HUD are designated for the creation of an energy-efficient public housing development.

**Funding Total:** \$17,687,509

## • **EE/CE Worker Training (Green Pushpin)**

### **11. ARRA Energy Training Partnership Grants**

**Description:** For training workers for jobs and skills identified as in demand including; hybrid/electric auto technicians, weatherization specialists, wind and energy auditors, and solar panel installers.

**5 Projects:** including Communications Workers of America (CWA) and Ohio Electrical Labor Management Cooperative Committee. Serving over 45 counties of auto- industry dislocated workers.

**Total Funding:** \$23,449,300

### **12. State Energy Sector Partnership (SESP) and Training Grants**

**Description:** To develop qualified, skilled workers by the Energizing Careers project to develop qualified, skilled workers that meet employer demand and promote a robust green energy supply chain.

**1 Project:** 1,600 estimated participants, Ohio Department of Development was the prime recipient and involved 45 counties in Ohio.

**Total Funding:** \$6,000,000

### **13. Weatherization Assistance Program (WAP)**

**Description:** Enables low-income families to permanently reduce their energy bills by making their homes more energy efficient.

**55 Projects:** Original prime recipient was the Ohio Department of Development for their Home Weatherization Assistance Program (HWAP). It has awarded to 34 subrecipient entities to address statewide needs.

**Total Funding:** \$320,540,638

#### **14. Workforce Investment Act Area 9**

**Description:** Used in Toledo, Ohio to enhance their WIA program.

**Funding Total:** \$5,555,424

#### • **Clean Energy Technology Projects (Yellow Pushpin)**

##### **15. DOE Advanced Research Project Agency – Energy**

**Description:** It aims to identify technologies that can reduce energy imports from foreign sources, reduce energy-related greenhouse gas emissions, and improve efficiency across the energy spectrum. Also ensure that we remain a technological leader.

**4 Projects:** including Ohio State University (w/ PSRI, CONSOL Energy, Inc., Shell/CRI and Company) and Univenture, Inc. (w/ Rockwell Automation, Ohio University, Case Western)

**Total Funding:** \$14,991,591

##### **16. ARRA State Energy Program Grants for Ohio Deploying Renewable Generation Project**

**Description:** For assistance to states to develop state strategies and goals to address their energy priorities. This focuses on renewable sources of energy including solar photovoltaic, solar thermal, wind projects and climate change impact analysis.

**25 Projects:** including Lincoln Electric Company in Euclid and Ohio Department of Mental Health, Summit Facility in Cincinnati.

**Total Funding:** \$13,637,630

##### **17. ARRA Clean Cities Program**

**Description:** Funds allocated to Clean Fuels Ohio, which will help municipalities and organizations convert vehicles in their fleets to 283 clean energy vehicles and will help build refueling infrastructure for 26 government and private sector partners. The private sector partners will invest nearly \$30 million in Ohio

**26 Projects:** including Kirk Energy in Findlay and large private partners like Frito-Lay and Staples.

**Total Funding:** \$10,765,326

##### **18. ARRA 1603 Grant Program**

**Description:** Offers a grants for specified renewable energy property in lieu of the Investment Tax Credit (ITC).

**18 Projects;** including Renewable Energy Services of Ohio in Sandusky and Buckeye Biogas LLC.

**Total Funding:** \$3,297,272

##### **19. Renewable Energy Institute International (REII)**

**Description:** Funds to support a pilot project aimed at converting waste biomass to clean diesel fuel

**Funding Total:** \$19,980,930

##### **20. Mound Advanced Technology Center**

**Description:** Funds to go to cleaning up the OU-1 site for future business development. Development plans include significant investments in clean energy technology

**Funding Total:** \$19,700,000