




OHIO

TWO YEARS OF THE CLEAN ENERGY PLAN: TURBOCHARGING OHIO'S ECONOMY, POSITIONING IT AS A SOLAR & EV MANUFACTURING POWERHOUSE

Two years after the passage of the clean energy plan, America's clean energy sector has kicked into high gear, transforming Ohio into a solar and electric vehicle battery manufacturing powerhouse. Across the state, climate and clean energy investments have already spurred \$10.47 billion in investment and created or moved forward 13,887 good-paying clean energy jobs, ranking 10th in the country. Since the clean energy plan's passage, 28 new clean energy projects have been announced or moved forward in Ohio, ranking sixth in the nation. Projects span six sectors – electric vehicles, batteries, solar, wind, grid and transmission, and clean technologies.

In Ohio's low-income communities, companies have announced \$8.17 billion in investment and the creation of 11,317 good-paying clean energy jobs, while Ohio's rural communities have seen project announcements totaling \$1.1 billion in investment and 3,163 jobs. The clean energy plan will continue to accelerate the clean energy jobs boom while lowering energy costs for families, investing in disadvantaged communities, and reducing climate pollution across the state.

CLEAN ENERGY PROJECTS IN OHIO SINCE THE PASSAGE OF THE CLEAN ENERGY PLAN			
\$10.47 B			13,887
INVESTMENTS IN NEW CLEAN ENERGY PROJECTS			JOBS IN OHIO
PROJECT	LOCATION	\$ INVESTED	JOBS CREATED
STAR CHARGE EV CHARGER MANUFACTURING FACILITY	COLUMBUS	-	-
HONDA PLANT UPGRADES FOR EV PRODUCTION	MARYSVILLE, EAST LIBERTY, AND ANNA	\$700 MILLION	300 JOBS
EDGE ENERGY EV CHARGING FACILITY EXPANSION	CINCINNATI	\$150 MILLION	60 JOBS
GKN SINTER METALS EXPANSION PROJECT	GALLIPOLIS	-	50 JOBS
CAPCHEM LITHIUM-ION ELECTROLYTE MANUFACTURING FACILITY	HANGING ROCK	\$120 MILLION	60 JOBS
VEHTEK SYSTEMS EV DOOR MANUFACTURING FACILITY	BOWLING GREEN	-	120 JOBS

SCHAEFFLER EV MANUFACTURING FACILITY	DOVER	\$230 MILLION	650 JOBS
JSW STEEL MINGO JUNCTION EXPANSION	MINGO JUNCTION	\$101.5 MILLION	26 JOBS
NTH CYCLE BATTERY MATERIALS RECYCLING FACILITY	FAIRFIELD	\$30 MILLION	-
MEAN GREEN EV ASSEMBLY PLANT	HAMILTON	-	30 JOBS
FIRST SOLAR JIM NOLAN CENTER FOR SOLAR INNOVATION	PERRYSBURG	\$450 MILLION	300 JOBS
FIRST SOLAR OHIO FACTORY EXPANSIONS	PERRYSBURG	\$185 MILLION	100 JOBS
NSG GROUP SOLAR GLASS PRODUCTION LINE	ROSSFORD	-	20 JOBS
AMERICAN AUTOPARTS TOLEDO EV MANUFACTURING CONVERSION	TOLEDO	\$32.6 MILLION	38 JOBS
GM TOLEDO EV PRODUCTION FACILITY	TOLEDO	\$760 MILLION	-
MOBIS US ELECTRIFIED POWERTRAIN MANUFACTURING FACILITY	TOLEDO	\$13.8 MILLION	185 JOBS
GEM CITY SOLAR PROJECT	DAYTON	\$70 MILLION	200 JOBS
JOBY PRODUCTION FACILITY	DAYTON	\$500 MILLION	2,000 JOBS
FUYAO GLASS AMERICA MORaine EXPANSION	MORaine	\$300 MILLION	500 JOBS
WESTRAFO OHIO VOLTAGE TRANSFORMERS MANUFACTURING FACILITY	TROTWOOD	\$15 MILLION	230 JOBS
SOLAR FLEXRACK LLC HIGHLAND HILLS MANUFACTURING FACILITY	HIGHLAND HILLS	-	45 JOBS
CIRBA LITHIUM-ION RECYCLING FACILITY	LANCASTER	\$107.5 MILLION	150 JOBS
ILLUMINATE USA SOLAR FACTORY	PATASKALA	\$600 MILLION	1,150 JOBS
GRAPHITE ONE ANODE MATERIAL MANUFACTURING PLANT	NILES	\$435 MILLION	160 JOBS
FOXCONN GIGAFACTORY	WARREN	\$170 MILLION	-



HONDA & LG BATTERY FACTORY	JEFFERSONVILLE	\$4.4 BILLION	4,400 JOBS
OAK RUN SOLAR PROJECT	PLUMWOOD	\$1 BILLION	3,063 JOBS
TOAGOSEI AMERICA ACRYLIC POLYMER MANUFACTURING FACILITY	WEST JEFFERSON	\$105 MILLION	50 JOBS

SOURCE: CLIMATE POWER, 2-YEAR ANNIVERSARY CLEAN ENERGY BOOM REPORT, AUGUST 2024

SPOTLIGHT : OHIO CLEAN ENERGY PROJECTS

Since the passage of the clean energy plan, clean energy projects in Ohio have moved forward, creating jobs and investing in the state’s clean energy economy:

- Ohio’s EV economy continues to grow. [Honda and LG Energy Solutions announced a \\$4.4 billion investment](#) in an EV battery plant project in Fayette County, the largest direct private investment in Ohio’s history. President Biden said the facility, which will create 2,200 jobs, was an example of the economic benefits of the clean energy plan and [“another win for America and another win for Ohio.”](#) In February 2023, EdgeEnergy, an EV charger power converter manufacturer and member of the White House Infrastructure Talent Pipeline Challenge, announced [a \\$150 million investment](#) to expand its manufacturing operation in Cincinnati. And, in February 2024, Schaeffler announced it would invest [\\$250 million](#) to open an electric mobility manufacturing facility in Dover, creating [650 jobs](#).
- Battery companies are also investing in Ohio. In June 2023, Nth Cycle announced plans to invest \$30 million in a new [battery recycling facility](#) in Fairfield to produce hydroxide, a key input for EV batteries. In December 2023, Mobis announced that it would invest [\\$13.8 million](#) to assemble battery systems for electric and plug-in hybrid electric vehicles in Toledo, [creating 185 manufacturing jobs](#).
- Ohio is seeing massive new investments in solar manufacturing thanks to the clean energy plan. First Solar announced a \$680 million investment to expand manufacturing in Ohio, creating at least 850 new manufacturing jobs. [First Solar’s CEO said the clean energy plan](#) “entrusted [the clean energy industry] with the responsibility of enabling America’s clean energy future, and we must meet the moment.” In March 2023, [Invenergy announced a \\$600 million investment](#) to build one of the largest solar power manufacturing facilities in the U.S. in Pataskala, creating 850 good-paying jobs.
- Ohio is seeing an increase in grid and transmission manufacturing. In June 2024, [Westrafo announced](#) it would open a medium voltage transformer manufacturing facility in Trotwood, Ohio. Westrafo planned to invest at least \$12 million in the facility, which was projected to [create more than 230 jobs](#). The factory will open in July 2025 and scale to produce 12 GW per year of transformers by 2027. [Westrafo’s CEO said the company chose to invest in the U.S. because the country was](#) “focusing more than any other on the development of an efficient and sustainable grid.”



SPOTLIGHT: CLEAN ENERGY JOBS IN OHIO'S LOW-INCOME COMMUNITIES

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in Ohio's low-income communities:

- 81.49% of new clean energy jobs (11,317), 78.04% of new investments (\$8.17 billion), and 67.8% of projects (19) in Ohio are located in low-income communities.
- Nationwide, Ohio ranks fifth for both the highest number of new clean energy jobs (11,317) and for clean energy investments (\$8.17 billion) in low-income communities.
- In February 2023, EdgeEnergy, an EV charger power converter manufacturer and member of the White House Infrastructure Talent Pipeline Challenge, announced a \$150 million investment to expand its manufacturing operation in Cincinnati. The expansion will create 60 new manufacturing and engineering jobs.
- In October 2022, Cirba Solutions announced a planned \$107 million investment to expand its Lancaster lithium-ion processing facility. The company also received a \$74 million Bipartisan Infrastructure Law-funded grant to support the expansion, which will create 150 jobs. The company's CEO cited the clean energy plan's electrification goals when discussing plans to expand the plant.
- In December 2023, Mobis announced that it would invest \$13.8 million to assemble battery systems for electric and plug-in hybrid electric vehicles in Toledo. The facility will create 185 manufacturing jobs.
- In July 2024, American Autoparts received a \$32.6 million grant from the clean energy plan to convert its Toledo factory to manufacture plug-in electric hybrid vehicles. The conversion would create 38 new unionized jobs and allow the company to retain 345 existing workers at the facility. American Autoparts pledged to work with local educational institutions and the UAW Local 12 to create worker training pipelines.

SPOTLIGHT: CLEAN ENERGY JOBS IN RURAL OHIO

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in Ohio's rural communities:

- 22.77% of new clean energy jobs (3,163), 10.54% of new investments (\$1.1 billion), and 10.71% of projects (3) in Ohio are located in rural communities.
- In April 2024, Toagosei invested \$105 million to open a manufacturing facility in West Jefferson. Toagosei's facility will manufacture acrylic polymers for EV batteries and expects to generate \$3 million in new annual payroll. West Jefferson is located in Madison County, which is 66.16% rural.
- In April 2024, GKN Sinter announced it would expand its Gallipolis manufacturing facility, creating 50 new jobs manufacturing gear systems for EVs. Gallipolis is 80.37% rural.



- In March 2024, the Oak Run solar project was approved by the Ohio Power Siting Board. Once operational in 2025, the project will [create 3,000 construction jobs and 63 permanent positions](#) in Plumwood. Over its operating life, Oak Run will also [generate \\$252 million in new tax revenue](#). Plumwood is located in Madison County, which is 66.16% rural.

SPOTLIGHT: CLEAN ENERGY JOBS IN GOP DISTRICTS

Since the passage of the clean energy plan, new clean energy projects have brought jobs and investments to Ohio districts represented by Republican members of the House:

- 18 of Ohio's total 28 new clean energy projects are in Republican-held districts, representing 64% of all projects in the state, 78% of all new investments (\$8.18 billion), and 92% of all new jobs (12,839.)
- **Ohio's 2nd Congressional District:** Rep. Brad Wenstrup represents Ohio's 2nd Congressional district, where two new clean energy projects invest \$120 million and create 110 new jobs. Rep. Wenstrup [voted against](#) the clean energy plan.
- **Ohio's 5th Congressional District:** Rep. Robert Latta represents Ohio's 5th Congressional District, where one new clean energy project creates 120 new jobs. Rep. Latta [voted against](#) the clean energy plan, saying the bill [promotes irresponsible spending on Green New Deal carve-outs](#).
- **Ohio's 6th Congressional District:** Rep. Bill Johnson represents Ohio's 6th Congressional district, where two new clean energy projects invest 331.5 million and create 676 new jobs. Rep. Johnson [voted against](#) the clean energy plan and said the legislation [does nothing to actually reduce inflation](#).
- **Ohio's 8th Congressional District:** Rep. Warren Davidson represents Ohio's 8th Congressional District, where two new clean energy projects invest \$30 million. Rep. Davidson [voted against](#) the clean energy plan and [argued that it would not alleviate inflation](#).
- **Ohio's 10th Congressional District:** Rep. Michael Turner represents Ohio's 10th Congressional District, which has four new projects creating 2,930 jobs and driving \$885 million in investment. Rep. Turner [voted against](#) the clean energy plan, [calling](#) the bill "needless spending."
- **Ohio's 12th Congressional District:** Represented by Rep. Troy Balderson, this district has two new clean energy projects that invest \$707.5 million and create 1,300 new jobs. Rep. Balderson [voted against](#) the clean energy plan and [falsely claimed](#) that it causes higher prices, energy insecurity, and tax hikes on Ohioans.
- **Ohio's 14th Congressional District:** Rep. David Joyce represents Ohio's 14th Congressional District, where two new clean energy projects invest \$605 million. Despite [voting against](#) the clean energy plan and claiming it would [make his constituents' lives worse](#), Joyce [praised](#) a \$170 million EV investment in his district for helping "restore the legacy of the American worker."



→ **Ohio's 15th Congressional District:** Rep. Mike Carey represents Ohio's 15th Congressional District, where three new clean energy projects invest \$5.5 billion and create 7,513 new jobs. Nationwide, OH-15 ranks 7th for the number of jobs and 12th for the largest investment. Rep. Carey **voted against** the clean energy plan and **claimed it would fund** the Green New Deal, yet he **celebrated** a \$4.4 billion investment in EV manufacturing bringing 2,200 jobs to his district.

SNAPSHOT: OHIO'S CLEAN ENERGY ECONOMY

These new jobs build on an already thriving clean energy economy in Ohio, with over 114,000 jobs across the state as of 2022. This includes jobs in renewable electricity generation, energy storage, energy efficiency, and clean vehicles. As the largest U.S. investment in clean energy and climate in history, the clean energy plan will continue to reshape and recharge our economy for many decades to come. The Made in America clean energy boom is just getting started.

