

CLEAN ENERGY BOOM

THE 142,016 (AND COUNTING) NEW CLEAN ENERGY JOBS
ACROSS THE UNITED STATES
UPDATED: MARCH 31, 2023

Since the landmark Inflation Reduction Act (IRA) became law in August 2022, companies are racing forward with massive investments to build our clean energy future. New manufacturing in wind, solar, batteries, and electric vehicles — along with storage projects across the country — mean new, good-paying jobs for hard-working Americans. In the months since the landmark climate and clean energy investments became law, clean energy companies have announced or moved forward with projects accounting for **more than 142,000 new clean energy jobs** for electricians, mechanics, construction workers, technicians, support staff, and many others.

As the largest U.S. investment in clean energy and climate in history, this national 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.

This report analyzes public announcements from the private sector since the passage of the Inflation Reduction Act to demonstrate the breadth and scale of the growing clean energy economy being built all across the country.

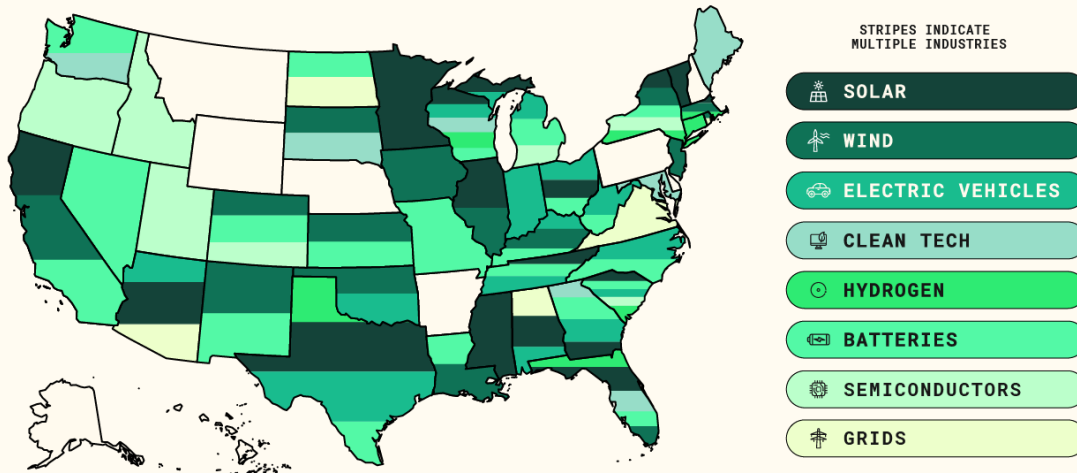
MORE THAN 142,016 NEW JOBS ACROSS THE COUNTRY

Clean energy projects creating **142,016 new jobs** in **41 states** were announced or advanced between August 16, 2022 and March 31, 2023. As of March 31, 2023, there are **191 new clean energy projects** in small towns and bigger cities nationwide totaling **\$242.81 billion in new investments**.

Plans include 65 new battery manufacturing sites in places like Tucson, Arizona; Rochester, New York; and Florence County, South Carolina. So far, companies have announced plans for 40 new or expanded electric vehicle manufacturing facilities in Savannah, Georgia; Montgomery,

Alabama; Auburn Hills, Michigan — and more. A further 34 plans were announced to expand wind and solar manufacturing in cities including Pensacola, Florida; Hutchinson, Kansas; and Georgetown, Texas. The majority of the projects are in 10 states — Arizona, California, Georgia, Michigan, New York, North Carolina, Ohio, South Carolina, Tennessee, and Texas.

NEW CLEAN ENERGY JOBS SINCE THE PASSAGE OF THE INFLATION REDUCTION ACT



SOURCED FROM NEWS ANNOUNCEMENTS AS OF 03.31.23

Driven in part by the certainty created by the clean energy plan and its incentives to build the clean energy future here at home, American companies restored almost [350,000 manufacturing jobs](#) in 2022 — a 25 percent increase from 2021. [A recent analysis](#) by the BlueGreen Alliance and the Political Economy Research Institute at the University of Massachusetts Amherst projects that the Inflation Reduction Act will create over 9 million clean energy and climate-related jobs over the next decade.

STATE SNAPSHOTS: THE CLEAN ENERGY ECONOMIC BOOM

States around the country have benefited from the provisions of the national clean energy plan. Even [climate skeptics have touted the benefits of the law](#) for their communities because they now understand that this clean energy plan means big investments in their communities and new jobs. Already, the new law has significantly benefited local economies and will provide family-sustaining wages in ZIP codes from coast to coast. The local economic benefits

will continue to spread across the country. Just in the first quarter of 2023, clean energy projects were announced or advanced in six new states: Connecticut, Florida, Maine, Mississippi, Utah, and Vermont.

10 STATES WITH MAJORITY OF PROJECTS	
STATE	# OF PROJECTS
ARIZONA	12 PROJECTS
CALIFORNIA	8 PROJECTS
GEORGIA	14 PROJECTS
MICHIGAN	14 PROJECTS
NEW YORK	11 PROJECTS
NORTH CAROLINA	7 PROJECTS
OHIO	9 PROJECTS
SOUTH CAROLINA	14 PROJECTS
TENNESSEE	9 PROJECTS
TEXAS	12 PROJECTS

ARIZONA

→ LGES announced it would invest \$5.6 billion in an Arizona gigafactory to meet growing demand for U.S.-made EV batteries that qualify for [Inflation Reduction Act tax credits](#), a fourfold increase from previous plans. KORE Power CEO Lindsay Gorrill [applauded the passage of the Inflation Reduction Act](#) and said it provides an “[incredible lift](#)” to his company’s project in Buckeye, where it is developing a gigafactory [in hopes of claiming the law’s tax credits](#).

\$8.31 B

INVESTMENTS IN
CLEAN ENERGY PROJECTS



12,720

JOBS IN ARIZONA
SINCE PASSAGE OF THE IRA

CALIFORNIA

- Newly launched company Statevolt has plans to construct a [\\$4 billion and 54 GWh lithium-ion manufacturing plant in Southern California](#), to further the production of EV batteries in the state.

\$5.45 B

INVESTMENTS IN
CLEAN ENERGY PROJECTS



3,300

JOBS IN CALIFORNIA
SINCE PASSAGE OF THE IRA

COLORADO

- CS Wind announced plans to [expand the largest wind turbine factory in the world](#), located in Pueblo, Colorado. The CS Wind expansion will add two new buildings and triple the workforce, rivaling the state's steel plant.

\$1.07 B

INVESTMENTS IN
CLEAN ENERGY PROJECTS



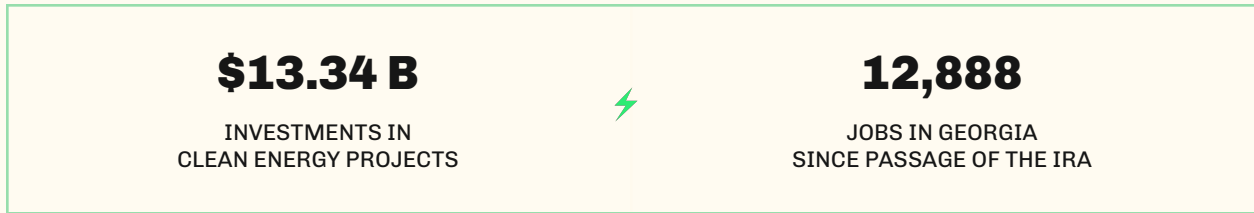
1,467

JOBS IN COLORADO
SINCE PASSAGE OF THE IRA

GEORGIA

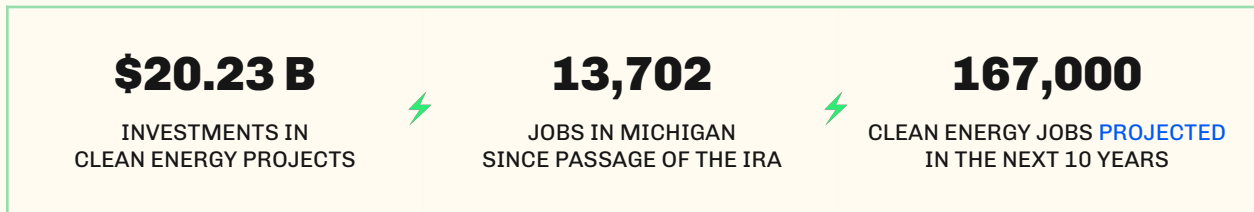
- Freyr Battery invested in a new Gigafactory in Coweta County, QCells is building a new [\\$2.5 billion solar panel factory](#) and planning to hire [400 new employees](#) to meet demand driven by the Inflation Reduction Act, and Hyundai Motor Group and SK On jointly invested [\\$4 to \\$5 billion](#) to build

electric battery plants outside of Atlanta that will supply Hyundai and Kia EVs built in the U.S.



MICHIGAN

- [Our Next Energy](#), a Michigan-based company, invested \$1.6 billion in their first battery manufacturing campus in Wayne County, EV battery maker [Gotion Inc.](#) laid plans for a [\\$2.4 billion factory](#) in Big Rapids, and [Magna](#) invested [\\$526 million](#) across several expansion projects to further Michigan’s status as the “home of the auto industry and the future of mobility in Michigan,” according to Governor Whitmer.



MINNESOTA

- Cummins is driving the clean hydrogen economy forward in Minnesota, with the announcement of its [first U.S. electrolyzer production facility](#) in Fridley, Minnesota.
- Regulators approved Xcel Energy’s plans to [build Minnesota’s largest solar power plant](#), replacing electricity lost from closing coal-fired power plants across the state. The company also recently [announced the addition of battery storage](#) at the site, which will enable them to increase the grid’s renewable capacity.

\$575 M

INVESTMENTS IN
CLEAN ENERGY PROJECTS



914

JOBS IN MINNESOTA
SINCE PASSAGE OF THE IRA

NEVADA

- Tesla is resuming construction on its \$3.5 billion expansion gigafactory in Nevada, set to produce 105 GWh of battery cell production and over 150 GWh of battery packs annually. The Department of Energy also funded several projects to help Nevada achieve its goal of becoming the “Silicon Valley of lithium.”

\$4.54 B

INVESTMENTS IN
CLEAN ENERGY PROJECTS



10,800

JOBS IN NEVADA
SINCE PASSAGE OF THE IRA



40,000

CLEAN ENERGY JOBS **PROJECTED**
IN THE NEXT 10 YEARS

NEW YORK

- Furthering New York’s vision to become the nation’s offshore wind manufacturing hub, GE proposed two new offshore wind energy manufacturing facilities in the state and Zinc8 Energy Solutions announced a \$68 million investment plan to relocate its battery manufacturing facility and U.S. headquarters to the mid-Hudson region. New York’s EV battery workforce is also growing with GM announcing a \$68 million investment to upgrade its Rochester, NY plant for EV battery components.

\$101.52 B

INVESTMENTS IN
CLEAN ENERGY PROJECTS

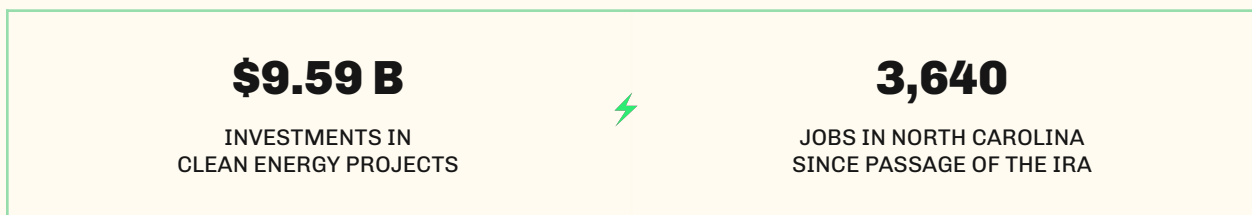


13,355

JOBS IN NEW YORK
SINCE PASSAGE OF THE IRA

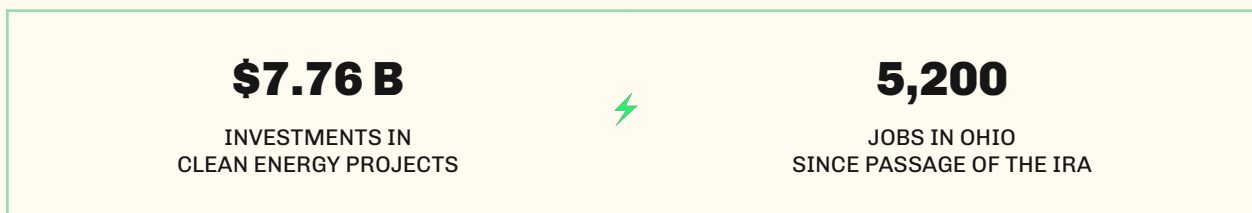
NORTH CAROLINA

- Several new projects benefiting EV production are coming to North Carolina, including [Toyota's \\$2.5 billion investment](#) in their EV battery facility and [Wolfspeed's commitment to building](#) the world's largest silicon carbide materials facility in Chatham County, producing a material used for components in electric vehicles and solar equipment. Kempower [credited the Inflation Reduction Act](#) for the company's decision to build a \$41 million EV charging station manufacturing facility in Durham.



OHIO

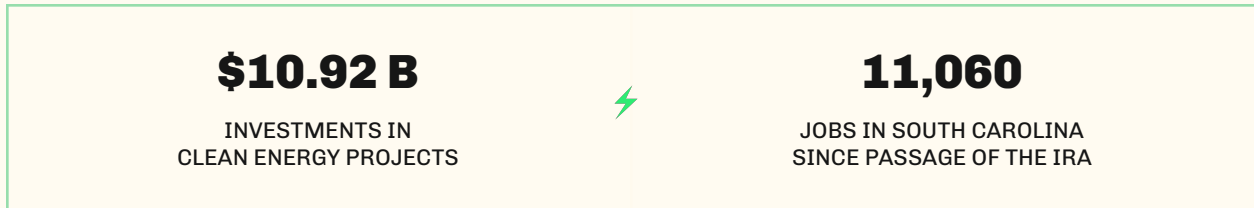
- [Honda and LG Energy Solutions are partnering on a \\$4.4 billion investment](#) to develop a battery plant project in Fayette County, the largest direct private investment in Ohio's history. Ohio is also becoming a hub for solar manufacturing, as First Solar made a [\\$680 million investment](#) to expand their solar plant in Wood County and Invenergy made a [\\$600 million investment](#) for a new solar plant that will create 850 new jobs.



SOUTH CAROLINA

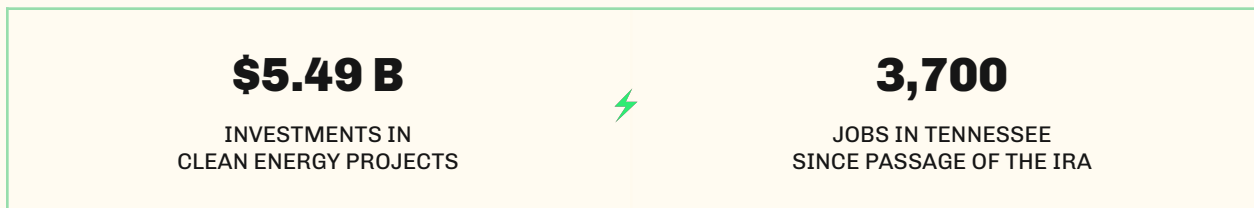
- BMW announced a [\\$1.7 billion investment](#) in South Carolina in their shift to EV manufacturing, and Bosch announced production of electric motors in Charleston [to the tune of \\$260 million](#).

- ABB E-mobility will expand its EV charger facility to create up to 10,000 chargers a year for transit buses, Envision AESC is investing \$810 million in a new battery gigafactory in Florence County in partnership with BMW, and Redwood Materials is investing \$3.5 billion to build a battery materials campus in Berkeley County.



TENNESSEE

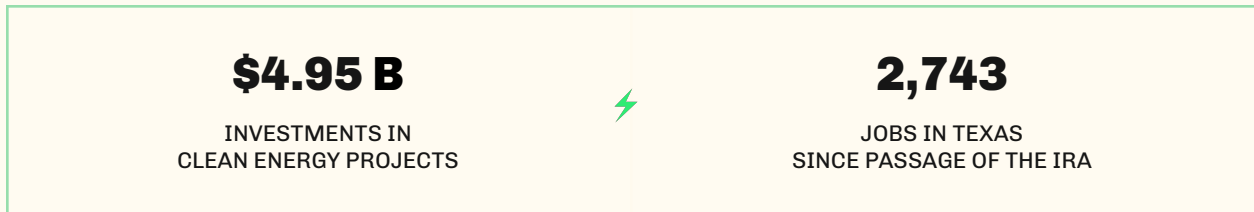
- Tennessee has several projects set to bring jobs to the state: Piedmont Lithium announced plans to invest \$600 million in a new lithium hydroxide plant, Daejin Advanced Materials announced a \$10.2 million investment in a new EV battery plant, NOVONIX Anode Materials shared a new battery plant project expected to cost upwards of \$1 billion, and LG Chem plans to invest \$3.2 billion in a battery cathode plant.



TEXAS

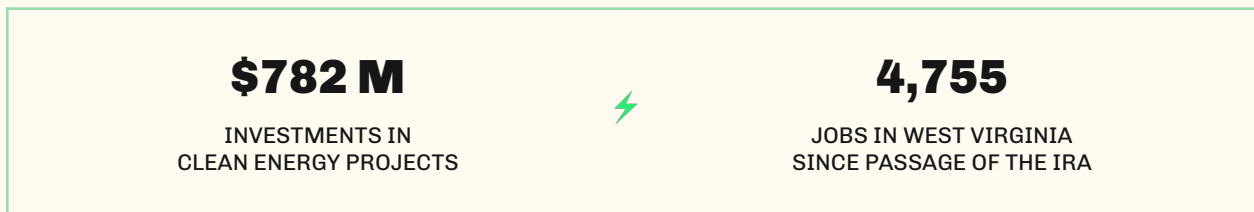
- Since the passage of the law, Texas has seen record investments: SK Signet announced plans for an EV fast charger manufacturing facility, Tesla plans to invest \$770 million toward expanding its Austin EV factory, and Air Products and AES jointly announced a \$4 billion investment for the companies' first mega-scale green hydrogen production facility.
- OCI and Mission Solar announced a \$40 million investment to expand domestic solar module production facilities, and SEG Solar announced a new residential solar

project that will bring 500 jobs to the state.



WEST VIRGINIA

→ SPARKZ, Form Energy, and Our Next Energy each announced plans to build battery plants. Form Energy will invest \$760 million in a longer lasting iron-air battery project, and Our Next Energy will invest \$22 million for a utility-scale battery factory.



ACROSS THE COUNTRY, NEW INVESTMENTS MADE IN ONGOING CLEAN ENERGY PROJECTS CONTINUE TO SPUR NEW JOBS.

BY THE NUMBERS		
STATE	INVESTMENT	JOBS
ALABAMA	\$1.33 BILLION	1,480 JOBS
ARIZONA	\$8.31 BILLION	12,720 JOBS
CALIFORNIA	\$5.45 BILLION	3,300 JOBS
COLORADO	\$1.07 BILLION	1,467 JOBS
CONNECTICUT	\$25.1 MILLION	45 JOBS
FLORIDA	\$451 MILLION	1,500 JOBS
GEORGIA	\$13.34 BILLION	12,888 JOBS
IDAHO	\$15 BILLION	2,000 JOBS

ILLINOIS	\$895 MILLION	485 JOBS
INDIANA	\$2.22 BILLION	717 JOBS
IOWA	-	700 JOBS
KANSAS	\$4 BILLION	20,600 JOBS
KENTUCKY	\$3.26 BILLION	1,503 JOBS
LOUISIANA	\$861.4 MILLION	230 JOBS
MAINE	\$6 MILLION	200 JOBS
MARYLAND	\$70 MILLION	460 JOBS
MASSACHUSETTS	\$200 MILLION	250 JOBS
MICHIGAN	\$20.23 BILLION	13,702 JOBS
MINNESOTA	\$575 MILLION	914 JOBS
MISSISSIPPI	\$115 MILLION	300 JOBS
MISSOURI	\$400 MILLION	150 JOBS
NEVADA	\$4.54 BILLION	10,800 JOBS
NEW JERSEY	\$1.07 BILLION	200 JOBS
NEW MEXICO	\$404 MILLION	250 JOBS
NEW YORK	\$101.522 BILLION	13,355 JOBS
NORTH CAROLINA	\$9.59 BILLION	3,640 JOBS
NORTH DAKOTA	\$871 MILLION	150 JOBS
OHIO	\$7.76 BILLION	5,200 JOBS
OKLAHOMA	\$1.45 MILLION	2,015 JOBS
OREGON	\$1 BILLION	280 JOBS
RHODE ISLAND	\$729 MILLION	1,850 JOBS
SOUTH CAROLINA	\$10.92 BILLION	11,060 JOBS
SOUTH DAKOTA	\$1 BILLION	1,280 JOBS
TENNESSEE	\$5.49 BILLION	3,700 JOBS
TEXAS	\$4.95 BILLION	2,743 JOBS
UTAH	\$11 BILLION	800 JOBS
VERMONT	-	12 JOBS
VIRGINIA	\$37 MILLION	165 JOBS
WASHINGTON	\$1.72 BILLION	800 JOBS
WEST VIRGINIA	\$782 MILLION	4,755 JOBS
WISCONSIN	-	200 JOBS
STATE NOT SPECIFIED	\$107 MILLION	3,150 JOBS

TOTAL OF 142,016 JOBS

METHODOLOGY

This report analyzes public announcements from the private sector since the passage of the Inflation Reduction Act to demonstrate the breadth and scale of the clean energy economic boom happening all across the country. It tracks public announcements from the private sector between August 16, 2022 to March 31, 2023.