

CLEAN ENERGY BOOM

THE 101,036 (AND COUNTING) NEW CLEAN ENERGY JOBS ACROSS THE UNITED STATES

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 six months since the landmark climate and clean energy investments became law, clean energy companies have announced **more than 100,000 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.

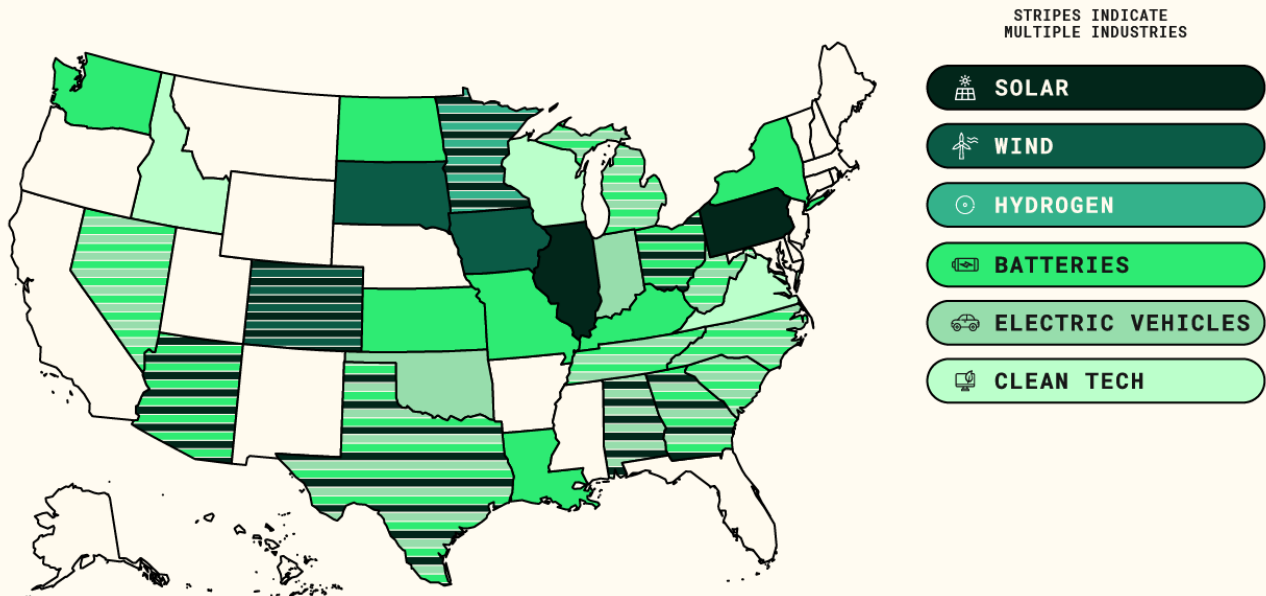
MORE THAN 100,000 NEW JOBS ACROSS THE COUNTRY

Clean energy companies have announced **101,036 new jobs** in **31 states** between August 16, 2022 to January 31, 2023. As of January 31, 2023, there are **over 90 new clean energy projects** in small towns and bigger cities nationwide totaling **\$89.5 billion in new investments**.

Plans include 40 new battery manufacturing sites in places like Van Buren Township, Michigan; Tucson, Arizona; and Florence County, South Carolina. So far, 22 companies have announced plans for new or expanded electric vehicle manufacturing in Pryor, Oklahoma; Montgomery, Alabama; Highland Park, Michigan—and more. A further 24 companies shared plans to expand wind and solar manufacturing in cities including Pueblo, Colorado; Perrysburg, Ohio; and

Georgetown, Texas. The majority of the projects are in 7 states—Arizona, Georgia, Michigan, Ohio, South Carolina, Tennessee, and Texas.

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



SOURCED FROM NEWS ANNOUNCEMENTS AS OF 08.16.22

Driven in part by the certainty created by the law 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 Inflation Reduction Act. 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.

STATE	# OF PROJECTS
ARIZONA	7 PROJECTS
GEORGIA	8 PROJECTS
MICHIGAN	8 PROJECTS
OHIO	6 PROJECTS
SOUTH CAROLINA	6 PROJECTS
TENNESSEE	6 PROJECTS
TEXAS	8 PROJECTS

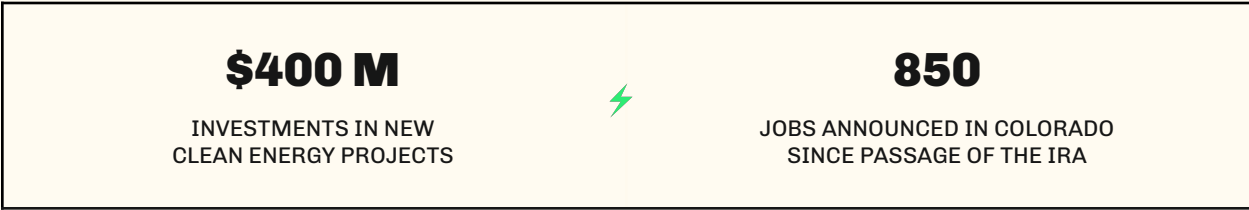
ARIZONA

→ Meyer Burger put construction of its new 400 MW solar factory on hold when the Build Back Better Act died in Congress, but [relaunched the project](#) once the Inflation Reduction Act passed. LG put its Arizona facility on hold when the Build Back Better Act died but is reported to be [proceeding since the law's passage](#). 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](#).

<p>\$4.15 B</p> <p>INVESTMENTS IN NEW CLEAN ENERGY PROJECTS</p>		<p>11,635</p> <p>JOBS ANNOUNCED IN ARIZONA SINCE PASSAGE OF THE IRA</p>
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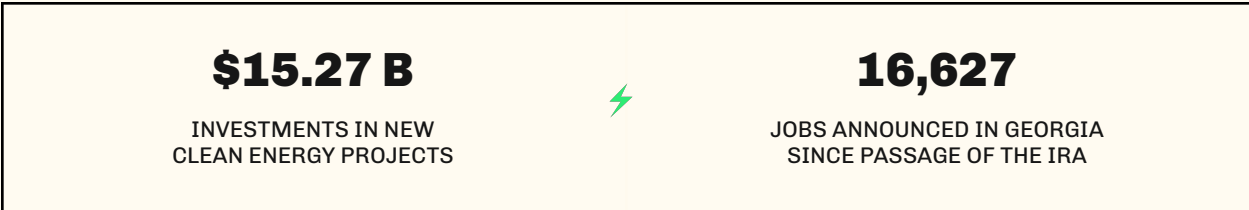
COLORADO

→ Hesperus Primergy Solar announced a [1,900-acre solar project](#) in Colorado, and CS Wind laid 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.



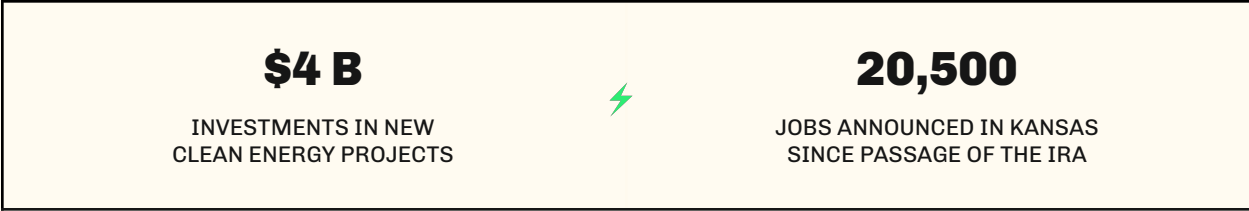
GEORGIA

→ [Freyr Battery invested in a new Gigafactory](#) in Coweta County, [QCells is building a new \\$2.5 billion solar panel factory](#), and [Hyundai Motor Group jointly invested more than \\$9 billion](#) to build electric battery plants outside of Atlanta that will supply Hyundai and Kia EVs built in the U.S.



KANSAS

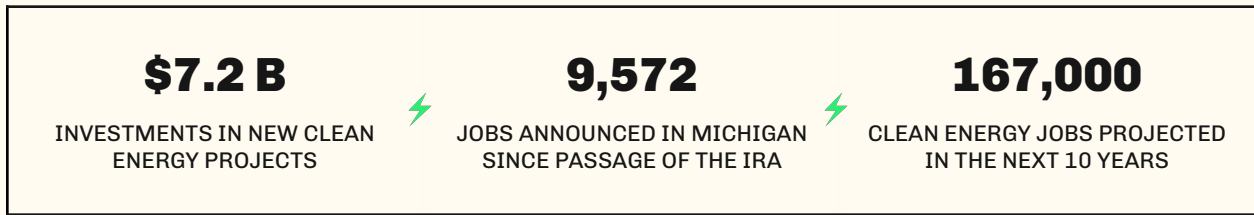
→ [Panasonic will build a \\$4 billion plant](#) in De Soto, Kansas to manufacture batteries for Tesla EVs, creating up to 4,000 jobs alone for the state.



MICHIGAN

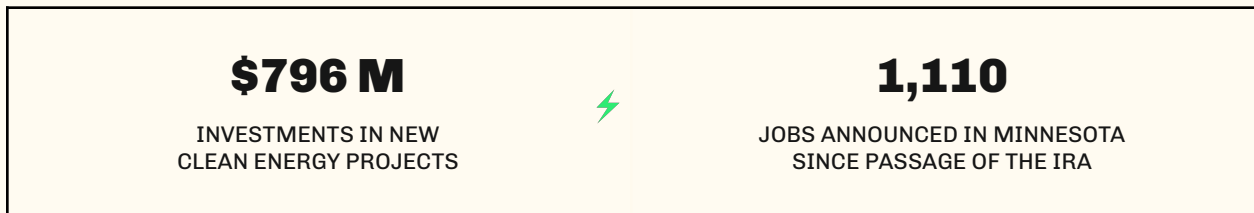
→ The Inflation Reduction Act is helping Michigan solidify its role as a manufacturing and auto hub for the clean energy future, securing a series of investments in battery and EV manufacturing projects. Flo, an EV charging company, launched its first U.S.

manufacturing facility in Michigan and [plans to establish more than 250,000 EV chargers for American drivers.](#)



MINNESOTA

- [Heliene invested \\$21 million to expand their solar plant](#) in Minnesota, now [one of the largest in the United States](#), boasting more than [500 MW of total annual capacity](#). Senator Tina Smith explained that, “This project is about building an American supply chain for the solar panels that will power our transition to energy independence and a clean energy future.”
- 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 renewables capacity.



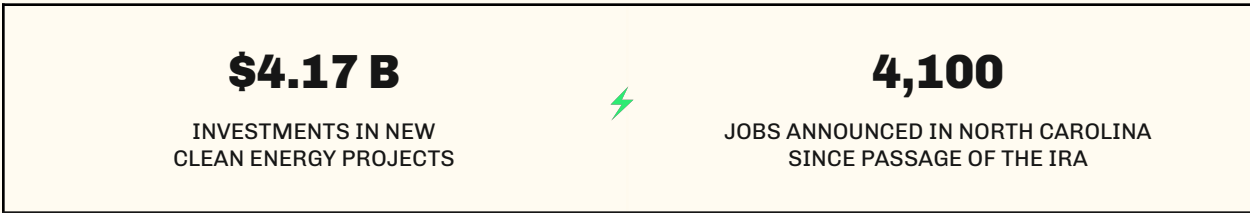
NEVADA

- [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](#).”



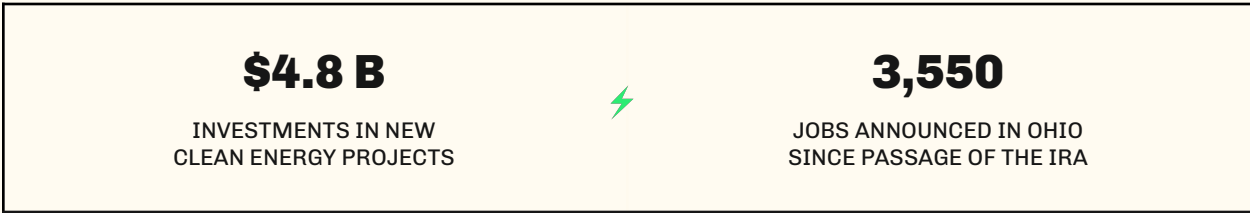
NORTH CAROLINA

→ 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.



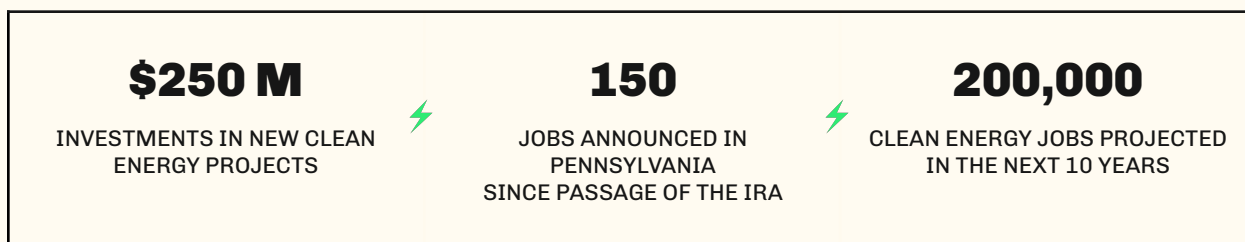
OHIO

→ [Ohio has become a hub](#) for the emerging “Battery Belt” of domestic manufacturing of batteries for EVs, attracting billions of dollars of investments.



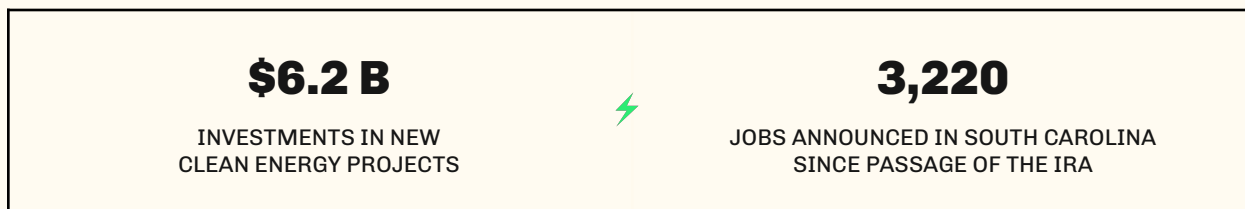
PENNSYLVANIA

→ Thanks to the investments included in the Inflation Reduction Act, Pennsylvania is on its way to become a renewable energy powerhouse in the coming decade.



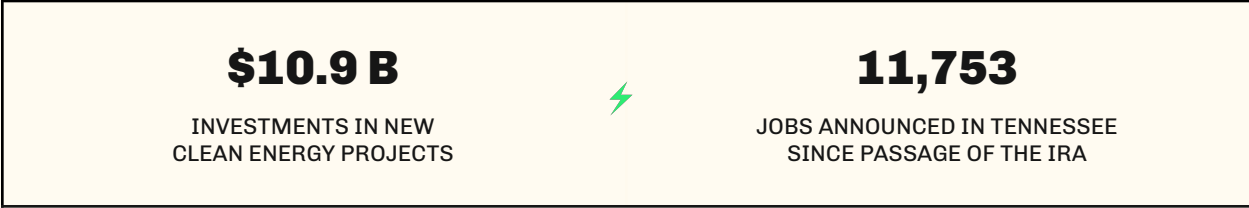
SOUTH CAROLINA

- 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 battery recycling startup Redwood Materials plans to open its [second factory in South Carolina](#) as part of the “Battery Belt” stretching from Michigan to Georgia.



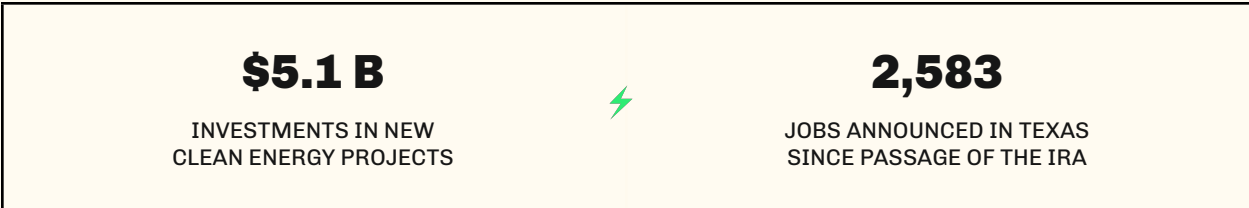
TENNESSEE

- 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, Microvast is investing [\\$504 million in a new EV battery plant](#), NOVONIX Anode Materials shared a new battery plant project expected to [cost upwards of \\$1 billion](#), LG Chem plans to invest [\\$3.2 billion in a battery cathode plant](#), and Ford Motors began construction on a [\\$5.6 billion complex for EVs and batteries](#).



TEXAS

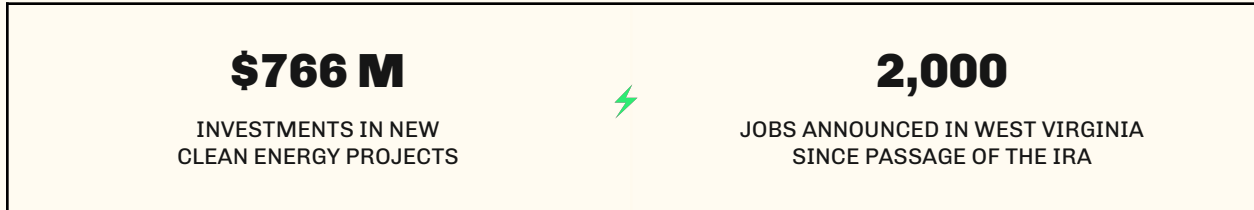
- Since the passage of the law, Texas has seen record investments: [SK Signet announced plans](#) for an EV fast charger manufacturing facility, [Tesla plans to invest \\$770 million](#) toward expanding its Austin EV factory, and Air Products and AES jointly announced a [\\$4 billion investment](#) for the companies’ first mega-scale green hydrogen production facility.
- [GAF Energy is investing \\$100 million](#) for a domestic factory producing residential solar roof shingles, Cypress Creek Renewables plans to build a [\\$46.9 million 208-MW solar park](#), 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 [FirstEnergy](#) have each announced plans to build battery plants, with [FirstEnergy committing to 5 facilities](#) across the state that are [expected to produce 50 Megawatts](#) of renewable generation, and [Form Energy investing \\$760 million](#) in a longer lasting iron-air battery project.

→ [GreenPower rolled out a timeline to begin manufacturing](#) zero-emission, all-electric school buses in its newly-acquired facility as a result of new funding in the EPA's Clean School Bus Program thanks to the Inflation Reduction Act.



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

BY THE NUMBERS		
STATE	INVESTMENT	JOBS
ALABAMA	\$1.31 BILLION	1,280 JOBS
ARIZONA	\$4.15 BILLION	11,635 JOBS
COLORADO	\$400 MILLION	850 JOBS
GEORGIA	\$15.27 BILLION	16,627 JOBS
IDAHO	\$15 BILLION	2,000 JOBS
ILLINOIS	\$400 MILLION	150 JOBS
INDIANA	\$566 MILLION	75 JOBS
IOWA	-	700 JOBS
KANSAS	\$4 BILLION	20,500 JOBS
KENTUCKY	\$960 MILLION	400 JOBS
LOUISIANA	\$849 MILLION	301 JOBS
MICHIGAN	\$7.21 BILLION	9,527 JOBS
MINNESOTA	\$796 MILLION	1,110 JOBS
MISSOURI	\$429 MILLION	150 JOBS
NEVADA	\$3.89 BILLION	3,400 JOBS
NEW YORK	\$564 MILLION	950 JOBS
NORTH CAROLINA	\$4.18 BILLION	4,100 JOBS
NORTH DAKOTA	\$432 MILLION	150 JOBS
OHIO	\$4.8 BILLION	3,550 JOBS
OKLAHOMA	-	2,000 JOBS
PENNSYLVANIA	\$250 MILLION	150 JOBS
SOUTH CAROLINA	\$6.27 BILLION	3,220 JOBS
SOUTH DAKOTA	-	210 JOBS
TENNESSEE	\$10.39 BILLION	11,753 JOBS

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TEXAS	\$5.14 BILLION	2,583 JOBS
VIRGINIA	\$37 MILLION	165 JOBS
WASHINGTON	\$882 MILLION	1,300 JOBS
WEST VIRGINIA	\$766 MILLION	2,000 JOBS
WISCONSIN	-	200 JOBS
TOTAL OF 101,036 JOBS		