

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.

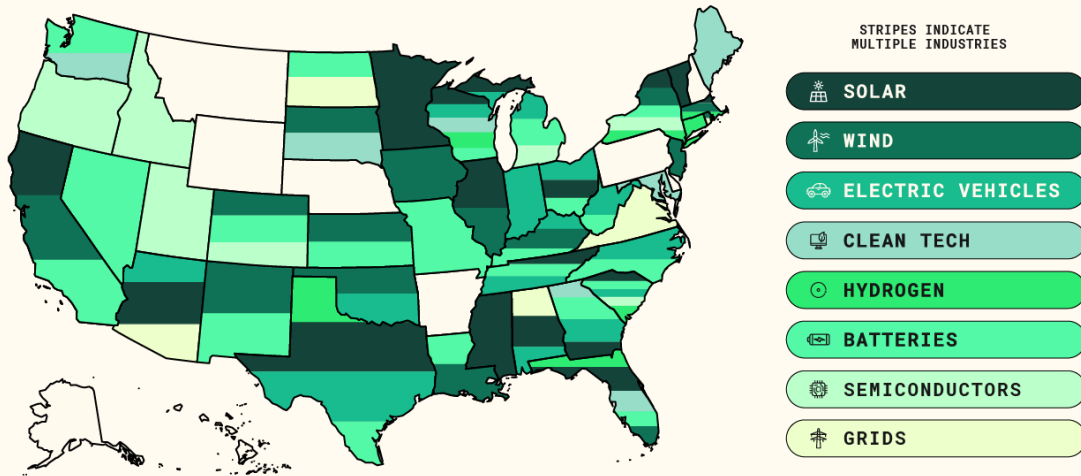
This report analyzes public announcements from the private sector since the passage of the Inflation Reduction Act to demonstrate the breadth and scale of the growing clean energy economy being built all across the country.

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 |

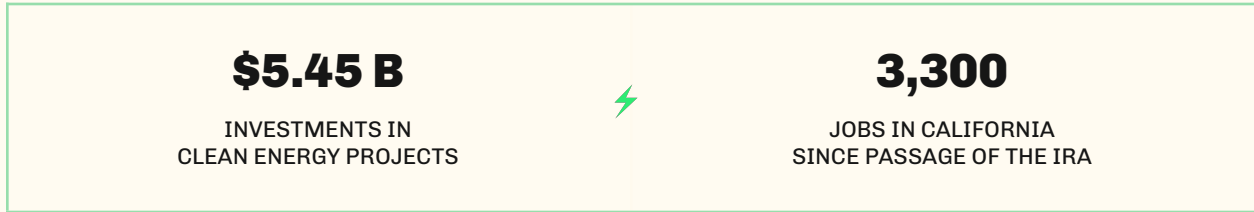
ARIZONA

→ 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](#).

| | | |
|--|---|--|
| <p>\$8.31 B</p> <p>INVESTMENTS IN CLEAN ENERGY PROJECTS</p> |  | <p>12,720</p> <p>JOBS IN ARIZONA SINCE PASSAGE OF THE IRA</p> |
|--|---|--|

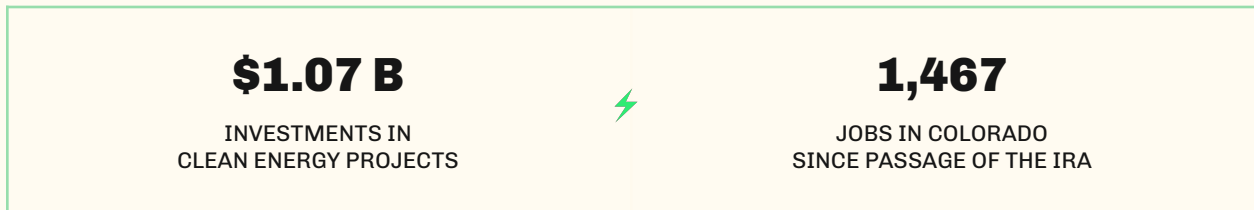
CALIFORNIA

→ 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.



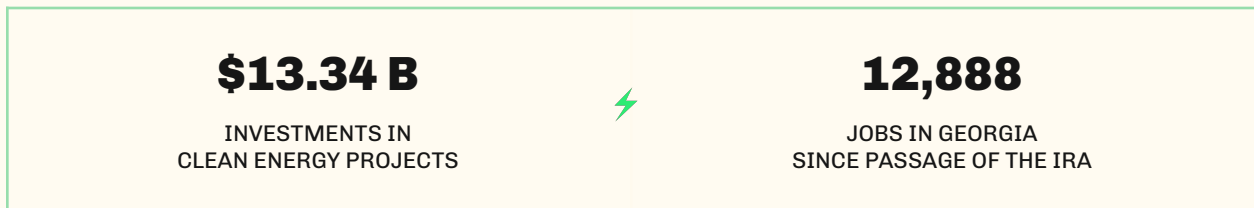
COLORADO

→ 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.



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.



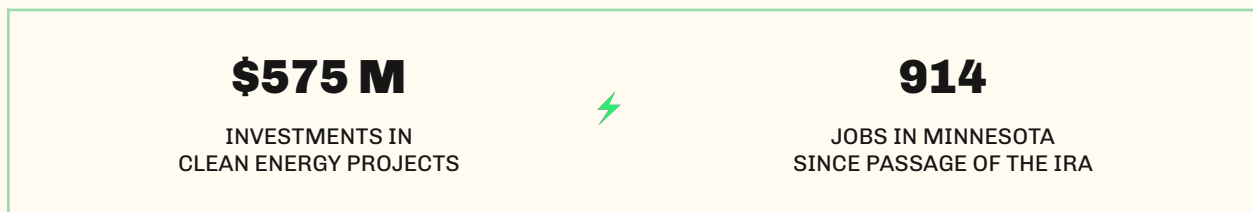
MICHIGAN

- [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.



NEVADA

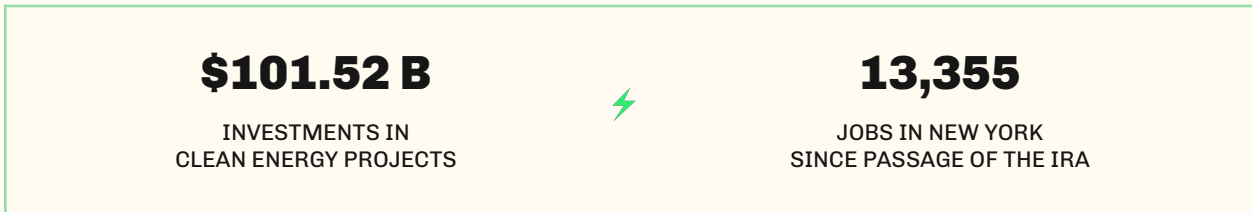
- [Tesla](#) is [resuming construction](#) on its [\\$3.5 billion expansion gigafactory](#) in Nevada, set to produce 105 GWh of battery cell production and over 150 GWh of

battery packs annually. The Department of Energy also funded several projects to help Nevada achieve its goal of becoming the “[Silicon Valley of lithium](#).”



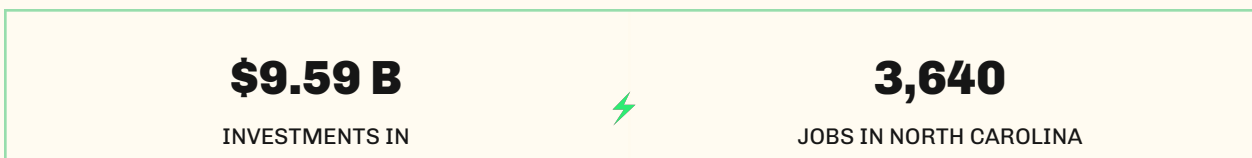
NEW YORK

- 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.



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 Invenenergy made a \$600 million investment for a new solar plant that will create 850 new jobs.

\$7.76 BINVESTMENTS IN
CLEAN ENERGY PROJECTS**5,200**JOBS IN OHIO
SINCE PASSAGE OF THE IRA

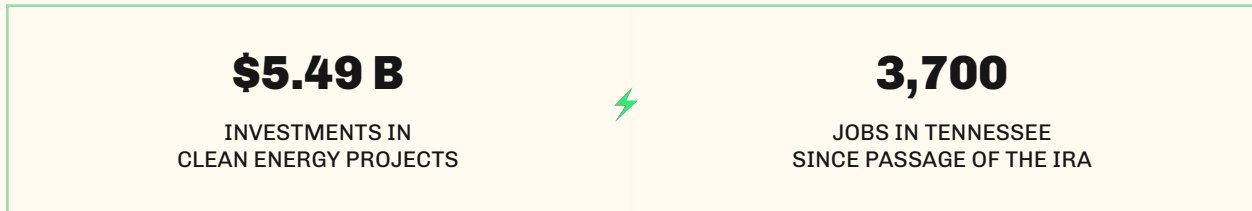
SOUTH CAROLINA

- 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.

\$10.92 BINVESTMENTS IN
CLEAN ENERGY PROJECTS**11,060**JOBS IN SOUTH CAROLINA
SINCE PASSAGE OF THE IRA

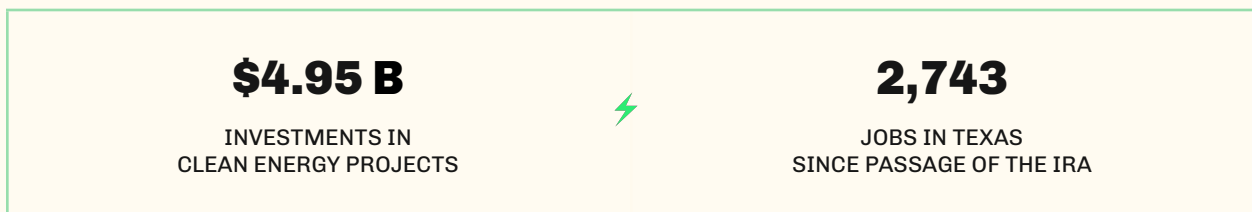
TENNESSEE

- 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.

\$782 M

INVESTMENTS IN
CLEAN ENERGY PROJECTS



4,755

JOBS IN WEST VIRGINIA
SINCE PASSAGE OF THE IRA

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 | 3,515 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 | \$5.9 BILLION | 3,850 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 | - | 1,500 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.