




# SOUTH CAROLINA

THE INFLATION REDUCTION ACT IS TURBOCHARGING SOUTH CAROLINA'S ECONOMY, POSITIONING IT AS AN EV MANUFACTURING POWERHOUSE

Passing the Inflation Reduction Act (IRA) has kicked America's clean energy sector into high gear and in South Carolina, that means the state is becoming an electric vehicle (EV) manufacturing powerhouse. South Carolina ranks 5th in the nation for new clean energy projects, with 23 new clean energy projects announced or advanced since the IRA passed. Across the state, new clean energy projects have already spurred \$11.34 billion in investment, the 8th highest in the country, and created or moved forward over 14,600 good-paying clean energy jobs, the 7th highest nationally. Projects span six sectors – batteries, clean tech, electric vehicles, grid and transmission, hydrogen, and solar. In South Carolina's rural communities, six projects have spurred \$1.75 billion in investment and the creation of 2,797 good-paying clean energy jobs. The IRA 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 SOUTH CAROLINA SINCE THE PASSAGE OF THE IRA			
<b>\$11.34 B</b>		<b>14,647</b>	
INVESTMENTS IN NEW CLEAN ENERGY PROJECTS			JOBS IN SOUTH CAROLINA
PROJECT	LOCATION	\$ INVESTED	JOBS CREATED
REDWOOD MATERIALS SC GIGAFACTORY	RIDGEVILLE	\$3.5 BILLION	1,500 JOBS
COOPERATIVE ELECTRIC ENERGY UTILITY SUPPLY EXPANSION	WEST COLUMBIA	\$52 MILLION	61 JOBS
ENPHASE MICROINVERTER MANUFACTURING LINES	WEST COLUMBIA	\$60 MILLION	600 JOBS
MAY RENEWABLES COPE SOLAR AND STORAGE FACILITY	COPE	\$70 MILLION	-
ABB E-MOBILITY MANUFACTURING FACILITY	COLUMBIA	\$4 MILLION	100 JOBS
CIRBA SOLUTIONS EV BATTERY RECYCLING FACILITY	COLUMBIA	\$323 MILLION	310 JOBS
BOSCH FUEL CELL FACILITY EXPANSION	ANDERSON	\$200 MILLION	350 JOBS
BORGWARNER SOUTH CAROLINA EXPANSION	SENECA	\$42 MILLION	122 JOBS

ITRON OCONEE COUNTY EXPANSION	OCONEE	\$28.5 MILLION	100 JOBS
BMW SPARTANBURG PLANT	SPARTANBURG	\$1 BILLION	-
BMW WOODRUFF BATTERY FACILITY	WOODRUFF	\$700 MILLION	300 JOBS
ALBEMARLE MEGA-FLEX FACILITY	-	\$1.3 BILLION	1,800 JOBS
SEM WAFERTECH SOLAR WAFER MANUFACTURING PLANT	SUMTER	\$65.9 MILLION	300 JOBS
PALLIDUS SEMICONDUCTOR MANUFACTURING PLANT	ROCK HILL	\$443 MILLION	405 JOBS
KONTROLMATIK GIGAFACTORY	COLLETON	\$279 MILLION	575 JOBS
BOSCH ELECTRIC MOTOR PRODUCTION EXPANSION	NORTH CHARLESTON	\$260 MILLION	350 JOBS
VOLVO RIDGEVILLE EXPANSION	RIDGEVILLE	-	1,300 JOBS
HOUNEN SOLAR PANEL MANUFACTURING FACILITY	ORANGEBURG	\$33 MILLION	200 JOBS
ENVISION GIGAFACTORY	FLORENCE	\$810 MILLION	1,170 JOBS
SCOUT MOTORS EV PLANT	BLYTHEWOOD	\$2 BILLION	4,000 JOBS
EPC POWER SOLAR HARDWARE MANUFACTURING FACILITY	MAULDIN	\$5 MILLION	150 JOBS
MATEIS SOLAR CORP. PANEL MANUFACTURING FACILITY	GREENVILLE COUNTY	\$11.25 MILLION	154 JOBS
SILFAB SOLAR CELL MANUFACTURING PLANT	FORT MILL	\$150 MILLION	800 JOBS

SOURCE: CLIMATE POWER, 200K CLEAN ENERGY BOOM REPORT, NOVEMBER 2023

SPOTLIGHT: SOUTH CAROLINA CLEAN ENERGY PROJECTS

Since the passage of the IRA, clean energy projects in South Carolina were able to move forward creating jobs and investing in the state’s clean energy economy:

- South Carolina’s EV economy is booming. In October 2022, BMW announced a \$1 billion investment in its Spartanburg campus to retool the factory for EV production and an additional \$700 million investment to produce EV batteries at a new factory in Woodruff. So far in 2023, Volvo announced it would add 1,300 jobs at its Ridgeville factory to build its fully electric SUV and Volkswagen AG announced a \$2 billion investment to manufacture Scout-branded EVs in Blythewood, creating 4,000 new jobs.
- Battery companies are also driving investment in South Carolina. Redwood Materials announced a \$3.5 billion investment to build a battery materials campus in Ridgeville in December 2022, creating 1,500 new jobs. Redwood said the IRA enabled it to invest at home and set the stage for the U.S. to become a “global leader” in battery manufacturing.



- EV component companies are also creating thousands of jobs in South Carolina. ABB E-Mobility called the IRA a “[transformational investment](#)” in transportation electrification when announcing an expansion of its Columbia EV charger factory, creating 100 new jobs.
- Solar manufacturing is also rapidly growing in South Carolina. [Enphase announced a \\$60 million investment](#) to open a solar inverter manufacturing facility in Columbia in July 2023, creating 600 new jobs. In September 2023, Silfab Solar announced it would open a manufacturing facility in Fort Mill, creating [800 new jobs](#). EPS Power also announced a \$5 million investment to [manufacture power converters](#) for solar modules in Maudlin, creating 150 new jobs.

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#### SPOTLIGHT: CLEAN ENERGY JOBS IN RURAL SOUTH CAROLINA

Since the passage of the IRA, new clean energy projects have spurred economic growth in Michigan’s rural communities:

- 19% of new clean energy jobs (2,797), 15% of new clean energy investments (\$1.75 billion), and 26% of projects (six) in South Carolina are located in rural communities.
- In December 2022, Kontrolmatik announced a [\\$279 million investment](#) to build a gigafactory in Colleton County, which is 76% rural, creating 575 new jobs. The company expects the factory to qualify for [\\$900 million in Inflation Reduction Act incentives](#).
- On March 22, 2023, Albemarle announced plans to [invest \\$1.3 billion](#) to build a lithium hydroxide “Mega-Flex” factory in Chester County to meet the growing demand for lithium-ion batteries. The factory will [create 300 new jobs](#) and support 1,500 construction jobs. Chester County is 73% rural.
- In December 2022, May Renewables LLC announced plans to [invest \\$70 million](#) in a solar storage facility in Orangeburg County, which is 66% rural. The Cope Solar and Storage project was [approved for incentives](#) by the county in January 2023, and construction is expected to begin in 2025.
- In April 2023, BorgWarner announced a [\\$42 million investment](#) in its Seneca battery module production facility. The expansion will [create 122 jobs](#) and result in 3 GWh of annual battery module capacity. Seneca is located in Oconee County, which is 64% rural.
- In June 2023, Itron announced a [\\$28.5 million investment](#) to expand its operations in Oconee County. The expansion will [add 100 new jobs](#) to manufacture Itron’s gas and water endpoints, which collect and transmit meter data to help utilities and cities better manage energy and water use. Oconee County is 64% rural.

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#### SPOTLIGHT: CLEAN ENERGY JOBS IN GOP DISTRICTS

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



- 19 of South Carolina's 23 projects are in Republican-held districts, representing 82% of all projects in the state, \$10.76 billion in investment, and 12,200 new jobs.
- **South Carolina's 1st Congressional District:** [Redwood Materials announced](#) it would invest \$3.5 billion to build a battery recycling campus that will create 1,500 clean energy jobs in this district, represented by Rep. Nancy Mace. [Redwood Materials cited](#) the "benefits of the recent [IRA]" in announcing the new campus. Rep. Mace voted against the IRA and claimed the legislation's "[massive spending](#)" wouldn't lower inflation.
- **South Carolina's 2nd Congressional District:** Represented by Rep. Joe Wilson, this district has six new clean energy projects and is tied for the GOP-represented district with the most new clean energy projects. SC-2 is also ranked fifth among GOP-represented districts for new clean energy jobs, with 5,071 new clean energy jobs announced and \$2.5 billion invested. Rep. Wilson voted against the IRA and claimed the legislation was to the "[detriment of American families.](#)"
- **South Carolina's 3rd Congressional District:** Represented by Rep. Jeff Duncan, this district is home to three new clean energy projects, generating 572 new jobs and \$270 million in investments. Rep. Duncan [opposed the IRA, saying](#) the legislation would "do nothing to address inflation" and would "increasing government spending to fund the radical Left's 'Green New Deal' agenda and continued war on American energy."
- **South Carolina's 4th Congressional District:** Represented by Rep. William Timmons, this district is home to four new clean energy projects, with 604 new jobs and \$1.71 billion in investments. Rep. Timmons [voted against the IRA, tweeting](#), "Calling a tax, spending, and climate change bill the 'Inflation Reduction Act' is peak Democrat nonsense."
- **South Carolina's 5th Congressional District:** Represented by Rep. Ralph Norman, this district has attracted four new clean energy projects, generating 3,305 new jobs and over \$1.9 billion in investments. Rep. Norman voted against the IRA, [which he claimed funded](#) "ineffective climate programs."
- **South Carolina's 7th Congressional District:** Represented by Rep. Russell Fry, this district attracted one new clean energy project, generating 1,170 new jobs and \$1.71 billion in investment. Rep. Fry [opposed the IRA.](#)

## SNAPSHOT: SOUTH CAROLINA'S CLEAN ENERGY ECONOMY

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Overall, South Carolina's clean energy economy is booming, with more than 45,000 jobs across the state as of 2023, including 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 IRA will continue to reshape and recharge our economy for many decades to come. The Made in America clean energy boom is just getting started.



2022: CLEAN ENERGY JOBS IN SOUTH CAROLINA

**45,204**

TOTAL CLEAN ENERGY JOBS  
(2022)



**3.4%**

GROWTH RATE  
(2021-2022)

