




# NORTH CAROLINA

ENTERING 2025: NORTH CAROLINA RANKS FIRST NATIONWIDE FOR NEW CLEAN ENERGY JOBS AND INVESTMENTS IN RURAL COMMUNITIES, SOLIDIFYING THE STATE’S STATUS AS A HUB FOR BATTERIES AND EV PRODUCTION

Since new clean energy investments were passed in 2022, America’s clean energy sector has kicked into high gear, transforming North Carolina into a hub for batteries and electric vehicle production. Across the state, new clean energy projects have already spurred more than **\$20.44 billion** in investment, the **fifth**-highest nationally, and created or moved forward with over **17,148** good-paying clean energy jobs, the **tenth**-most in the country. The **32** new projects span five sectors — batteries, clean technologies, electric vehicles, solar, and grid and transmission.

In North Carolina’s disadvantaged communities, companies have announced **\$14.8 billion** in investment and the creation of **8,448** good-paying clean energy jobs. More than **\$17.1 billion** of the state’s new investments and **9,349** new jobs are located in North Carolina’s rural communities. 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 NORTH CAROLINA SINCE THE PASSAGE OF THE CLEAN ENERGY PLAN			
<b>\$20.44 B</b> INVESTMENTS IN NEW CLEAN ENERGY PROJECTS			<b>17,148</b> JOBS IN NORTH CAROLINA
PROJECT	LOCATION	\$ INVESTED	JOBS CREATED
IONNA EV CHARGER MANUFACTURING FACILITY	DURHAM COUNTY	\$10 MILLION	203 JOBS
BOVIET SOLAR MANUFACTURING FACILITY	GREENVILLE	\$294 MILLION	908 JOBS
FORGE BATTERY BATTERY MANUFACTURING PLANT	MORRISVILLE	\$65 MILLION	830 JOBS
KEMPOWER EV CHARGING MANUFACTURING PLANT	DURHAM	\$41 MILLION	300 JOBS
SUNLIGHT BATTERIES USA NORTH CAROLINA MANUFACTURING PLANT	MEBANE	\$40 MILLION	133 JOBS
AUTEL ENERGY EV CHARGERS MANUFACTURING PLANT	GREENSBORO	\$40 MILLION	400 JOBS
JOHN DEERE BATTERY AND	KERNERSVILLE	\$69.6 MILLION	50 JOBS

CHARGER MANUFACTURING FACILITY			
EPSILON ADVANCED MATERIALS SYNTHETIC GRAPHITE MANUFACTURING FACILITY	WILMINGTON	\$649.9 MILLION	1,200 JOBS
DAI NIPPON PRINTING CO. LITHIUM-ION BATTERY POUCH MANUFACTURING FACILITY	LINWOOD	\$233 MILLION	352 JOBS
DEHN U.S. HEADQUARTERS SITE	MOORESVILLE	\$38.6 MILLION	195 JOBS
FUJIHATSU & TOYOTSU BATTERY COMPONENTS EV BATTERY MANUFACTURING FACILITY	LIBERTY	\$60 MILLION	133 JOBS
GREEN METAL EV BATTERY RECYCLING FACILITY	LIBERTY	\$19.8 MILLION	47 JOBS
TOYOTA BATTERY MANUFACTURING NORTH CAROLINA AUGUST 2022 EXPANSION	LIBERTY	\$3.8 BILLION	350 JOBS
TOYOTA BATTERY MANUFACTURING NORTH CAROLINA OCTOBER 2023 EXPANSION	LIBERTY	\$8 BILLION	3,000 JOBS
TOYOTA TSUSHO BATTERY WAREHOUSE	LIBERTY	\$7 MILLION	41 JOBS
WOLFSPEED CHIP FACTORY	SILER CITY	\$5 BILLION	4,600 JOBS
LIVENT LITHIUM HYDROXIDE FACILITY	BESSEMER CITY	-	30 JOBS
GREEN NEW ENERGY MATERIALS BATTERY SEPARATOR MANUFACTURING FACILITY	DENVER	\$140 MILLION	545 JOBS
KINGS MOUNTAIN LITHIUM MATERIALS PLANT	KINGS MOUNTAIN	\$124 MILLION	200 JOBS
QUANTUM POWER LAWNSDALE RECYCLING FACILITY	LAWNSDALE	\$19 MILLION	100 JOBS
CUMMINS-MERITOR EV COMPONENTS MANUFACTURING EXPANSION	FLETCHER	\$17 MILLION	40 JOBS
ATOM POWER MAY 2023 EXPANSION	HUNTERSVILLE	\$4.2 MILLION	205 JOBS
ATOM POWER AUGUST 2022 EXPANSION	HUNTERSVILLE	\$150 MILLION	170 JOBS
ALPITRONIC HEADQUARTERS	CHARLOTTE	\$18.3 MILLION	300 JOBS
CELGARD BATTERY SEPARATOR MANUFACTURING FACILITY EXPANSION	CHARLOTTE	-	100 JOBS
SIEMENS ENERGY MECKLENBURG COUNTY EXPANSION	CHARLOTTE	\$149.8 MILLION	759 JOBS
SIEMENS ENERGY WAKE COUNTY EXPANSION	WENDELL	-	85 JOBS



SIEMENS ELECTRIFICATION AND AUTOMATION HEADQUARTERS EXPANSION	WENDELL	\$36 MILLION	200 JOBS
NATRON BATTERY MANUFACTURING FACILITY	KINGSBORO	\$1.4 BILLION	1,000 JOBS
TOYOTA TSUSHO WINSTON-SALEM	WINSTON-SALEM	\$13.7 MILLION	39 JOBS
METOX INTERNATIONAL SUPERCONDUCTOR MANUFACTURING FACILITY	CHATHAM COUNTY	-	333 JOBS
ALBEMARLE LITHIUM METAL ANODE MATERIALS FACILITY	-	-	300 JOBS

SOURCE: CLIMATE POWER, CLEAN ENERGY BOOM REPORT, JANUARY 2025

CLEAN ENERGY PROJECTS IN NORTH CAROLINA BY SECTOR						
SECTOR	PROJECTS		JOBS		INVESTMENTS	
	#	%	#	%	#	%
BATTERIES	15	46.9%	8,167	47.6%	\$14.4 BILLION	70.9%
CLEAN TECHNOLOGY	2	6.3%	295	1.7%	\$57.6 MILLION	0.3%
ELECTRIC VEHICLES	10	31.2%	6,401	37.3%	\$5.4 BILLION	26.5%
GRID & TRANSMISSION	4	12.5%	1,377	8%	\$185.8 MILLION	0.9%
SOLAR	1	3.1%	908	5.3%	\$294 MILLION	1.4%

SOURCE: CLIMATE POWER, CLEAN ENERGY BOOM REPORT, JANUARY 2025

## SPOTLIGHT: NORTH CAROLINA CLEAN ENERGY PROJECTS

Since the passage of the clean energy plan, clean energy projects in North Carolina created jobs and invested in the state's clean energy economy:

- EV manufacturing continues to grow in the Tar Heel State. Toyota now plans to **invest \$13.9 billion** in its Liberty EV battery manufacturing facility, more than 10 times the company's initial investment, with over \$10 billion in new funding announced since the clean energy plan's passage. EV charging manufacturers are also flocking to the state. In February 2023, Kempower **credited the clean energy plan** for the company's decision to build a \$41 million EV charging station manufacturing facility in Durham. In May 2023, EV charger manufacturer **Alpitronic announced plans** for a \$9.3 million tech and repair facility and headquarters in Charlotte, **creating an expected 300 new jobs** with an average salary of over \$90,000. Atom Power announced two expansions at its EV chargers manufacturing facility in Huntersville since the



clean energy plan passed, [investing a total of \\$154 million](#) and [creating an expected 375 new jobs](#) with an average salary of \$92,000.

- North Carolina is also becoming a hub for transmission manufacturing. In October 2024, MetOx was selected to receive an \$80 million grant from the U.S. Department of Energy for [Project Arch](#), which will manufacture advanced transmission cable in Chatham County, expecting to support [over 300 jobs](#). Siemens Energy also announced a [\\$149.8 million investment to build large power transformers](#) in February 2024, creating an expected [475 manufacturing jobs](#) in Mecklenburg County and [84 new jobs](#) in Raleigh.
- Battery manufacturing is growing across the Tar Heel State. In August 2024, Natron Energy announced plans to build a [sodium ion battery factory](#) in Edgecombe County to supply batteries for [EV fast chargers and microgrids](#). The project is expected to create [1,000 new jobs](#) and grow North Carolina's economy by [\\$3.4 billion](#) over 12 years. Dai Nippon also announced a \$233 million investment to build lithium-ion battery pouches in Linwood, [creating an expected 352 jobs](#) with an average annual salary higher than the county average. Forge Nano planned to invest \$165 million in Wake County, creating [204 battery manufacturing jobs](#) in Wake County, and Celgate announced an [expansion of its manufacturing site](#) in Charlotte, adding an expected 100 new jobs manufacturing battery separators.

#### 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 North Carolina districts represented by Republican members of the House:

- 19 of North Carolina's 32 projects are in Republican-held districts, representing over 59% of all projects in the state, \$18.2 billion in investment, and 11,936 jobs.
- **North Carolina's 5th Congressional District:** Represented by Rep. Virginia Foxx, this district has attracted one new clean energy project, generating 39 new jobs and \$13.8 million in investment.
- **North Carolina's 6th Congressional District:** Represented by Rep. Addison McDowell, this district has attracted two new clean energy projects, generating an expected 450 new jobs and \$109.6 million in investment.
- **North Carolina's 7th Congressional District:** Represented by Rep. David Rouzer, this district has attracted one new clean energy project, generating a projected 1,200 new jobs and \$649.9 million in investment. Rep. Rouzer [voted against](#) the clean energy plan.
- **North Carolina's 8th Congressional District:** Represented by Rep. Mark Harris, this district has attracted one new clean energy project, generating 352 new jobs and \$233 million in investment. Rep. Harris [called](#) to eliminate the U.S. Department of Energy, which is responsible for [allocating](#) over \$100 billion in clean energy investments.
- **North Carolina's 9th Congressional District:** Represented by Rep. Richard Hudson, this district has attracted six new clean energy projects, which are expected to generate 8,171 new jobs and \$16.9 billion in investment. Rep. Hudson [voted against](#) the clean energy plan [claiming the legislation would](#) “throw money at woke climate and social programs that won't work —



including over \$350 billion for 'Green New Deal' initiatives — and make the inflation crisis worse.”

- **North Carolina’s 10th Congressional District:** Represented by Rep. Pat Harrigan, this district has attracted four new clean energy projects, generating 525 new jobs and \$181.6 million in investments.
- **North Carolina’s 11th Congressional District:** Represented by Rep. Chuck Edwards, this district has attracted one new clean energy project, expected to generate 40 new jobs and \$17 million in investments. Rep. Edwards [opposed the clean energy plan](#), criticizing the legislation’s “\$400 billion to the extreme Green New Deal slush fund.”
- **North Carolina’s 14th Congressional District:** Represented by Rep. Tim Moore, this district has attracted three new clean energy projects, which are expected to generate 1,159 new jobs and \$168.1 million in investment. Citing inflation rates, Moore [said](#) the clean energy plan was “not working” and [asked](#) Senator Ted Budd to focus on “problems created by [...] the so-called ‘Inflation Reduction Act.’”

#### SPOTLIGHT: CLEAN ENERGY JOBS IN NORTH CAROLINA’S DISADVANTAGED COMMUNITIES

---

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in North Carolina’s disadvantaged communities:

- 49.3% of new clean energy jobs (8,448), 72.6% of new clean energy investments (\$14.8 billion), and 46.9% of projects (15) in North Carolina are located in disadvantaged communities.
- Since the clean energy plan was passed, Toyota has repeatedly expanded plans for its EV manufacturing facility in Liberty, North Carolina, where the median income is \$10,000 less than 200% of the federal poverty line. In August 2022, Toyota announced an [additional \\$2.5 billion investment](#), creating an expected 350 additional manufacturing jobs at the facility, and announced another \$8 billion investment in October 2023, supporting [a further 3,000 jobs](#). Now, the project is estimated to create [more than 5,000 jobs](#) that [pay an average salary of \\$62,234](#), which is over 60% percent higher than the average annual wage in Randolph County, where the plant is located.
- In April 2024, Boviet Solar announced it would [invest \\$294 million](#) to establish its first North American production facility in Greenville, Pitt County. The company expects to [hire 908 skilled workers at wages above the county average](#).

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

---

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in North Carolina’s rural communities:

- 54.5% of new clean energy jobs (9,349 jobs), more than 84% of new clean energy investments (\$17.1 billion), and 31.2% of projects (10) in North Carolina are located in rural communities.

- North Carolina ranks first nationwide for the number of clean energy jobs (9,349) and investments (\$17.1 billion) in rural communities.
- In December 2022, Albemarle announced a **\$200 million investment** to process lithium materials in Kings Mountain, creating over 200 highly skilled jobs. Albemarle's hiring is **supported by a training program** at a local community college. Kings Mountain is located across Cleveland County, which is 62% rural.
- In December 2023, Quantum Power announced it would invest **\$19 million** to open a recycling facility in Cleveland County, which is 62% rural. The facility expects to create **34 new jobs** paying an average salary of \$51,636, higher than the county's average.
- Since the clean energy plan's passage, Toyota has repeatedly expanded plans for its EV manufacturing facility in Liberty, Randolph County, which is 60.2% rural. In August 2022, Toyota announced an **additional \$2.5 billion investment**, expecting to create an additional 350 manufacturing jobs at the facility, and announced another \$8 billion investment in October 2023, supporting **another 3,000 jobs**. Now, the project is estimated to create **more than 5,000 jobs** that **pay an average salary of \$62,234**, which is over 60% higher than the average annual wage in Randolph County. In February 2024, Fujihatsu Tech America, Inc., and Toyota Tsusho America, Inc. announced a **\$60 million investment** to expand an EV battery manufacturing facility in Liberty. The facility expects to create 133 jobs, with an **average salary of \$58,935, over \$13,000 higher than the county's average salary**.
- In May 2024, Green New Energy Materials announced a **\$140 million investment** in a new lithium-ion battery separator manufacturing facility in Denver, Lincoln County, which is 73.7% rural. Once fully operational, the facility is expected to **employ 545 workers** at wages above the county average and is projected to grow North Carolina's economy by **\$1.15 billion**.

