




NORTH CAROLINA

TWO YEARS OF THE CLEAN ENERGY PLAN: 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

Two years after the passage of the clean energy plan, 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 \$19.09 billion in investment, the fourth highest nationally, and created or moved forward with over 11,850 good-paying clean energy jobs. The 27 new projects span five sectors — batteries, clean technologies, electric vehicles, solar, and grid and transmission.

In North Carolina’s low-income communities, companies have announced \$13.42 billion in investment and the creation of 7,409 good-paying clean energy jobs, while more than \$17.16 billion of the state’s new investments and 6,216 of 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			
\$19.09 B INVESTMENTS IN NEW CLEAN ENERGY PROJECTS			11,850 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	\$165 MILLION	204 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 CHARGER MANUFACTURING	KERNERSVILLE	\$69.6 MILLION	50 JOBS

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	MONROE	\$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	1,800 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 PROCESSING PLANT	KINGS MOUNTAIN	\$124 MILLION	200 JOBS
QUANTUM POWER LAWNSDALE FACILITY	LAWNSDALE	\$19 MILLION	100 JOBS
CUMMINS-MERITOR EV COMPONENTS MANUFACTURING EXPANSION	FLETCHER	\$17 MILLION	40 JOBS
ATOM POWER HEADQUARTERS AND MANUFACTURING OPERATIONS EXPANSION	HUNTERSVILLE	\$4.2 MILLION	205 JOBS
ATOM POWER WORKFORCE 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



SPOTLIGHT: NORTH CAROLINA CLEAN ENERGY PROJECTS

Since the passage of the clean energy plan, clean energy projects in North Carolina have been able to move forward, creating jobs and investing 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 North Carolina 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 North Carolina. In February 2023, Kempower [credited the clean energy plan](#) for its decision to build a \$41 million EV charging station manufacturing facility in Durham, creating 300 new jobs. In May 2023, EV charger manufacturer [Alpitronic announced plans](#) for a \$9.3 million tech and repair facility and headquarters in Charlotte, [creating 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 375 new jobs](#) with an average salary of \$92,000.
- North Carolina is also becoming a hub for transmission manufacturing, with Siemens Energy announcing a [\\$149.8 million investment to build large power transformers](#) in Mecklenburg County. The investment will create [475 new manufacturing jobs](#) with salaries above the county average.
- Battery manufacturing is also exploding across the Tar Heel state. Dai Nippon announced a \$233 million investment to build lithium-ion battery pouches in Linwood, [creating 352 jobs](#) with an average annual salary higher than the county average. Forge Nano will create [204 battery manufacturing jobs](#) in Wake County, driving \$165 million in investment. Celgate [expanded its manufacturing facility](#) in Charlotte, adding 100 new jobs manufacturing battery separators.

SPOTLIGHT: CLEAN ENERGY JOBS IN NORTH CAROLINA'S LOW-INCOME COMMUNITIES

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in North Carolina's low-income communities:

- 62.52% of new clean energy jobs (7,409), 70.33% of new clean energy investments (\$13.42 billion), and 48.14% of projects (13) in North Carolina are located in low-income 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 additional 350 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:

- 52.45% of new clean energy jobs, more than 89.94% of new clean energy investments, and 33.33% of projects (9) in North Carolina are located in rural communities.
- North Carolina ranks first nationwide for the number of clean energy jobs (6,216) and investments (\$17.16 billion) in rural communities.
- In September 2022, Wolfspeed announced a [\\$5 billion investment](#) to create the world's largest silicon carbide materials facility in Chatham County, supplying the raw materials for chips used in EVs. The facility will [create 1,800 new jobs](#) that pay an average salary of over \$77,700 per year. The economy in Chatham County, which is 64% rural, has been [thriving in the past year](#) in part due to Wolfspeed's investment.
- 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 will 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](#), creating an additional 350 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. 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 will 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 will [employ 545 workers](#) at wages above the county average and is projected to grow North Carolina's economy by [\\$1.15 billion](#).

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:

- 14 of North Carolina's 27 projects are in Republican-held districts, representing over 51.8% of all projects in the state, \$18.1 billion in investment, and 8,033 jobs.
- **North Carolina's 7th Congressional District:** Represented by Rep. David Rouzer, this district has attracted one new clean energy project, generating 1,200 new jobs and \$649.9 million in investment. Rep. Bishop [voted against](#) the clean energy plan.
- **North Carolina's 8th Congressional District:** Represented by Rep. Dan Bishop, this district has attracted 2 new clean energy projects, generating 547 new jobs and \$271.6 million in investment. Rep. Bishop [voted against](#) the clean energy plan, [calling the landmark legislation](#) a "radical climate bill."
- **North Carolina's 9th Congressional District:** Represented by Rep. Richard Hudson, this district has attracted six new clean energy projects, generating 5,371 new jobs and \$16.8 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. Patrick McHenry, this district has attracted four new clean energy projects, generating 875 new jobs and \$283 million in investments. Rep. McHenry [voted against](#) the clean energy plan [and claimed](#) the landmark legislation would do "nothing to reduce inflation."
- **North Carolina's 11th Congressional District:** Represented by Rep. Chuck Edwards, this district has attracted one new clean energy project, generating 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."

SNAPSHOT: NORTH CAROLINA'S CLEAN ENERGY ECONOMY

These new jobs build on an already thriving clean energy economy in North Carolina, with more than 105,000 jobs across the state as of 2022. That includes 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 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.

2022: CLEAN ENERGY JOBS IN NORTH CAROLINA

105,370

TOTAL CLEAN ENERGY JOBS
(2022)



1.8%

GROWTH RATE
(2021-2022)

