



NORTH CAROLINA

THE CLEAN ENERGY PLAN IS TURBOCHARGING NORTH CAROLINA'S ECONOMY, POSITIONING IT AS A HUB FOR BATTERIES AND EV PRODUCTION

Passing the clean energy plan has kicked America's clean energy sector into high gear, and in North Carolina, that means the state is becoming a clean energy minerals production powerhouse. Across the state, new clean energy projects have already spurred more than \$18.75 billion in investment, the fourth highest nationally, and created or moved forward with over 9,886 good-paying clean energy jobs, the ninth highest in the country. Projects span four sectors — batteries, clean technologies, electric vehicles, and grid and transmission. In North Carolina's low-income communities, companies have announced \$12.97 billion in investment and the creation of 5,143 good-paying clean energy jobs, while more than 90% of the state's new investments (\$17.01 billion) and 56% of new jobs (5,558) 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			
\$18.75B		9,886	
INVESTMENTS IN NEW CLEAN ENERGY PROJECTS		JOBS IN NORTH CAROLINA	
PROJECT	LOCATION	\$ INVESTED	JOBS CREATED
KEMPOWER EV CHARGING MANUFACTURING PLANT	DURHAM	\$41 MILLION	600 JOBS
WOLFSPEED CHIP FACTORY	CHATHAM COUNTY	\$5 BILLION	1,800 JOBS
TOYOTA NORTH CAROLINA EV PLANT	LIBERTY	\$3.8 BILLION	350 JOBS
KINGS MOUNTAIN LITHIUM MATERIALS PROCESSING PLANT	KINGS MOUNTAIN	\$375.5 MILLION	200 JOBS
LIVENT LITHIUM HYDROXIDE FACILITY	BESSEMER CITY	-	30 JOBS
ALPITRONIC HEADQUARTERS	CHARLOTTE	\$18.4 MILLION	300 JOBS
ATOM POWER WORKFORCE EXPANSION	HUNTERSVILLE	\$150 MILLION	170 JOBS
ATOM POWER HEADQUARTERS AND MANUFACTURING OPERATIONS EXPANSION	HUNTERSVILLE	\$4.2 MILLION	205 JOBS

APPLIED MATERIALS ADVANCED PRELITHIATION AND LITHIUM ANODE MANUFACTURING FACILITY	-	\$224 MILLION	490 JOBS
SUNLIGHT BATTERIES USA NORTH CAROLINA MANUFACTURING PLANT	MEBANE	\$40 MILLION	133 JOBS
JOHN DEERE BATTERY AND CHARGER MANUFACTURING FACILITY	KERNERSVILLE	\$69.6 MILLION	50 JOBS
AUTEL ENERGY EV CHARGERS MANUFACTURING PLANT	GREENSBORO	\$40 MILLION	400 JOBS
CUMMINS-MERITOR EV COMPONENTS MANUFACTURING EXPANSION	FLETCHER	\$17 MILLION	40 JOBS
SIEMENS ENERGY MECKLENBURG COUNTY EXPANSION	MECKLENBURG COUNTY	\$149.8 MILLION	474 JOBS
SIEMENS ENERGY WAKE COUNTY EXPANSION	WAKE COUNTY	-	85 JOBS
FORGE BATTERY BATTERY MANUFACTURING PLANT	MORRISVILLE	\$165 MILLION	204 JOBS
EPSILON ADVANCED MATERIALS SYNTHETIC GRAPHITE MANUFACTURING FACILITY	WILMINGTON	\$649.9 MILLION	500 JOBS
DAI NIPPON PRINTING CO. LITHIUM-ION BATTERY POUCH MANUFACTURING FACILITY	LINWOOD	\$233 MILLION	352 JOBS
TOYOTA NORTH CAROLINA EV PLANT EXPANSION	LIBERTY	\$8 BILLION	3,000 JOBS
TOYOTA TSUSHO BATTERY WAREHOUSE	LIBERTY	\$7 MILLION	41 JOBS
QUANTUM POWER LAWNSDALE FACILITY	LAWNSDALE	\$19 MILLION	34 JOBS
DEHN U.S. HEADQUARTERS SITE	MOORESVILLE	\$38.6 MILLION	195 JOBS
FUJIIHATSU & TOYOTSU BATTERY COMPONENTS EV BATTERY MANUFACTURING FACILITY	LIBERTY	\$60 MILLION	133 JOBS
CELGARD BATTERY SEPARATOR MANUFACTURING FACILITY EXPANSION	CHARLOTTE	-	100 JOBS

SOURCE: CLIMATE POWER, STATE OF THE CLEAN ENERGY BOOM REPORT, MARCH 2024

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 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 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's average annual income. The investment also supports [75 new jobs](#) in Wake County.
- 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 site](#) 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:

- 52% of new clean energy jobs (5,143), 69.19% of new clean energy investments (\$12.97 billion), and 41.67% of projects (10) in North Carolina are located in low-income communities.
- 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, since the clean energy plan was passed. In August 2022, Toyota announced an [additional \\$2.5 billion investment](#), creating an additional 350 manufacturing 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.

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:

- 56% of new clean energy jobs (5,558), more than 90% of new clean energy investments (\$17.01 billion), and 29% of projects (7) in North Carolina are located 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, North Carolina, 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 in both Cleveland County and Gaston County, which are 62% and 19% rural, respectively. Albemarle is helping to bring back the lithium industry in Kings Mountain, which was one of the biggest lithium producers in the world until the late 1980s.
- 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 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 December 2023, Quantum Power announced it would invest **\$19 million** to open a facility in Cleveland County, which is 62% rural. Quantum Power converts industrial byproducts into renewable energy. The facility will create **34 new jobs** paying an average salary of \$51,636, higher than the county's average salary of \$46,646.

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:

- 11 of North Carolina's 24 projects are in Republican-held districts, representing over 45% of all projects in the state, \$12.95 billion in investment, and 4,875 jobs.
- **North Carolina's 7th District:** Represented by David Rouzer, this district has attracted one new clean energy project, generating 500 new jobs and \$649.9 million in investment. Rouzer **voted against** the clean energy plan and **criticized the legislation's** "more than \$350 billion in 'Green New Deal' initiatives."
- **North Carolina's 8th Congressional District:** Represented by Rep. Dan Bishop, this district has attracted one new clean energy project, generating 352 new jobs and \$223 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 four new clean energy projects, generating 3,524 new jobs and \$11.87 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 459 new jobs and \$181.61 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 IRA**, criticizing the legislation’s “\$400 billion to the extreme Green New Deal slush fund.”

SNAPSHOT: NORTH CAROLINA’S CLEAN ENERGY ECONOMY

Overall, North Carolina’s clean energy economy is booming, with more than 105,000 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 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.

