



NEVADA

ENTERING 2025: NEVADA SOLIDIFIED ITS STATUS AS A SOLAR AND BATTERY MANUFACTURING POWERHOUSE

Since new clean energy investments were passed in 2022, America’s clean energy sector has kicked into high gear, transforming Nevada into a powerhouse for solar and battery manufacturing. Across the state, new clean energy projects have already spurred **\$15.5 billion** in investment, the **eighth**-highest in the nation, and created or moved forward **21,703** good-paying clean energy jobs, the **sixth**-most in the country. Since the passage of the clean energy plan, **20** new clean energy projects have been announced or moved forward in Nevada. Projects span five sectors – solar, electric vehicles, clean technologies, batteries, and grid and transmission.

In Nevada’s disadvantaged communities, companies have announced **\$1.53 billion** in investment and the creation of **1,050** good-paying clean energy jobs, while Nevada’s rural communities have seen project announcements totaling **\$17 million** in investment and **950** jobs. 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 NEVADA SINCE THE PASSAGE OF THE CLEAN ENERGY PLAN			
\$15.5 B INVESTMENTS IN NEW CLEAN ENERGY PROJECTS		21,703 JOBS IN NEVADA	
			40,000 JOBS PROJECTED IN THE NEXT 10 YEARS
PROJECT	LOCATION	\$ INVESTED	JOBS CREATED
GRAPHJET TECHNOLOGY GRAPHITE PRODUCTION FACILITY	-	\$200 MILLION	500 JOBS
URBAN MOBILITY SYSTEMS HEAVY-DUTY BATTERY ELECTRIC DRIVE TRAINS MANUFACTURING FACILITY	-	-	350 JOBS
NEXTRACKER LAS VEGAS MANUFACTURING FACILITY	LAS VEGAS	-	200 JOBS
NEVADA GIGAFACTORY EXPANSION	SPARKS	\$3.6 BILLION	6,500 JOBS
LILAC SOLUTIONS LITHIUM MANUFACTURING FACILITY	FERNLEY	\$129.3 MILLION	250 JOBS

ABTC CATHODE GRADE LITHIUM HYDROXIDE PROJECT	TONOPAH	\$983 MILLION	150 JOBS
RHYOLITE RIDGE LITHIUM-BORON PROJECT	DYER	-	900 JOBS
REDWOOD MATERIALS MCCARRAN CAMPUS	MCCARRAN	\$3.5 BILLION	5,000 JOBS
THACKER PASS MINE	HUMBOLDT COUNTY	\$2.93 BILLION	2,160 JOBS
GREENLINK NEVADA TRANSMISSION	CLARK, ESMERALDA, LYON, MINERAL, NYE & STOREY COUNTIES	\$2.5 BILLION	4,000 JOBS
AQUA METALS BATTERY MATERIALS TAHOE-RENO RECYCLING CAMPUS	RENO	-	-
UNIMACTS SOLAR MANUFACTURING EXPANSION	LAS VEGAS	-	80 JOBS
BONNIE CLAIRE LITHIUM PROJECT	BONNIE CLAIRE	\$547 MILLION	-
AQUA METALS STOREY COUNTY BATTERY RECYCLING EXPANSION	EAST RENO	\$17 MILLION	50 JOBS
EDGEWOOD RENEWABLES SUSTAINABLE AVIATION FUEL FACILITY	NORTH LAS VEGAS	\$96 MILLION	70 JOBS
SOLARLINK PANEL FACTORY	NORTH LAS VEGAS	-	150 JOBS
RECHARGEABLE POWER SAFE BATTERY SERVICE CENTER	LAS VEGAS	-	88 JOBS
CLAIRITY CARBON CAPTURE FACILITY	-	\$2.5 MILLION	55 JOBS
NEXTRACK AND UNIMACTS SLOAN MANUFACTURING FACILITY	SLOAN	-	200 JOBS
LYTEN LITHIUM-SULFUR BATTERIES GIGAFACTORY	RENO	\$1 BILLION	1,000 JOBS

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

CLEAN ENERGY PROJECTS IN NEVADA BY SECTOR						
SECTOR	PROJECTS		JOBS		INVESTMENTS	
	#	%	#	%	#	%
BATTERIES	12	60%	16,598	76.4%	\$12.9 BILLION	83.2%
CLEAN TECHNOLOGY	2	10%	125	0.5%	\$98.5 MILLION	0.6%



ELECTRIC VEHICLES	1	5%	350	1.6%	-	-
GRID & TRANSMISSION	1	5%	4,000	18.4%	\$2.5 BILLION	16.1%
SOLAR	4	20%	630	2.9%	-	-

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

SPOTLIGHT: NEVADA CLEAN ENERGY PROJECTS

Since the passage of the clean energy plan, clean energy projects in Nevada created local jobs and invested in the state’s clean energy economy:

- Nevada is a hub for battery materials manufacturing. In February 2023, Redwood Materials received a **\$2 billion loan commitment** from the U.S. Department of Energy to build and expand its **\$3.5 billion** battery materials recycling campus in McCarran. The project will create 3,400 good-paying union construction jobs and will employ approximately 1,600 full-time workers, including labor, technical staff, and on-site management. In addition, Redwood Materials **will rely on** a construction workforce comprised of union, minority, and/or woman-owned business enterprises. Other battery material companies are also investing in Nevada. Lilac Solutions received a **\$50 million Bipartisan Infrastructure Law funded grant** to expand the use of its lithium extraction technology in Fernley, creating **250 new jobs**, and Graphjet Technology announced plans to build an **artificial graphite production facility** in the state, which is expected to create **500 new jobs** and produce enough graphite for more than **100,000 EV batteries per year**.
- Battery manufacturers are also expanding in Nevada. In January 2023, Tesla announced a **\$3.6 billion expansion** of its gigafactory in Sparks, which is expected to create **6,500 new jobs**. In October 2024, Lyten announced plans to open a **lithium-sulfur gigafactory** in Reno, which was expected to employ **over 1,000 workers**. Lyten also planned to partner with local universities, community colleges, and Nevada Native American and Tribal members to **train workers** for the factory.
- Solar manufacturing is also growing in Nevada. In August 2023, Unimacts announced it hired **80 new employees** at its Las Vegas manufacturing facility, which produces components to enable solar panel rotation. **Unimacts’ CEO said** the company would not have made the expansion without the clean energy plan’s incentives. In January 2024, Unimacts announced **another expansion** in Nevada, sharing plans to open a **new manufacturing facility** with Nextracker in Sloan to produce torque tubes for solar panels. The new factory, which **opened** in June 2024, is expected to **create 200 new jobs**.

SPOTLIGHT: CLEAN ENERGY JOBS IN GOP DISTRICTS



Since the passage of the clean energy plan, new clean energy projects have created jobs and invested in Nevada districts represented by Republican members of the House:

- Seven of Nevada's 20 projects are in Republican-held districts, representing 35% of all projects in the state, \$11.1 billion in investment, and 14,960 new jobs.
- **Nevada's 2nd Congressional District:** GOP Rep. Mark Amodei represents this district, which has attracted seven new clean energy projects, generating an expected 14,960 new jobs and more than an expected \$11.1 billion in investment. NV-02 has the highest number of clean energy jobs and the sixth-highest investment in the nation. Rep. Amodei **voted against** the clean energy plan and **criticized** the legislation because its benefits "don't outweigh the negative stuff."

SPOTLIGHT: CLEAN ENERGY JOBS IN NEVADA'S DISADVANTAGED COMMUNITIES

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in Nevada's disadvantaged communities:

- 15% of new clean energy projects (three) in Nevada are located in disadvantaged communities, spurring \$1.53 billion in investment and the creation of a projected 1,050 new jobs.
- In October 2022, ABTC received a \$57 million **Bipartisan Infrastructure Law** grant to support its \$58 million investment in opening a lithium hydroxide manufacturing project in Tonopah, which is expected to create **150 new jobs**.
- In December 2022, the Rhyolite Ridge Lithium-Boron project in Esmeralda County **advanced into the final stages of the permitting process** and, thanks to the Bipartisan Infrastructure Law, secured a **\$700 million loan from the U.S. Department of Energy** in January 2023. The facility is expected to create up to **900 jobs**.

SPOTLIGHT: CLEAN ENERGY JOBS IN NEVADA'S RURAL COMMUNITIES

Since the passage of the clean energy plan, new clean energy projects have spurred economic growth in Nevada's rural communities:

- Over 4% of new clean energy jobs (950 jobs) and 10% of projects (two) in Nevada are located in rural communities.
- In December 2022, the Rhyolite Ridge Lithium-Boron project advanced into the final stages of the permitting process and, thanks to the **Bipartisan Infrastructure Law**, secured a \$700 million loan from the U.S. Department of Energy in January 2023. The project is expected to create 600 construction jobs and up to 300 permanent operations jobs in Esmeralda County, which is 100% rural.
- In January 2024, Aqua Metals announced a **\$17 million expansion** at its Storey County battery recycling facility, which is expected to create 50 jobs. Storey County is 89% rural.

