



Tesla battery factory location

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The facility is located at the Tahoe Reno Industrial Center (TRIC) and employed around 7,000 people at the end of 2018,³ with a goal of hiring thousands more with a total of nearly 10,000 statewide. The factory started limited production of the Tesla Powerwall home energy storage device in January 2016¹²; using battery cells produced elsewhere and began mass production of cells in January 2017.¹³ The grand opening event was held on July 29, 2016.¹⁴

The factory has been designed to become entirely energy self-reliant. Tesla intends to power the structure through a combination of on-site solar, wind and geo-thermal sources.¹⁵ According to Tesla CEO Elon Musk, one hundred factories like Giga Nevada would be necessary to transition the world to sustainable energy consumption without any increase in production density such as switching to a dry electrode coating process.¹⁶

Initial public mention of the gigafactory concept was made in November 2013,¹⁷¹⁸ although Tesla's internal plans predated that; Tesla had investigated almost 100 sites.¹⁹ citation needed⁹³;

Tesla initially considered several sites, but northern Nevada was not one of them. A manager at Reno-Tahoe International Airport offered some of its 3,000 available acres at Reno Stead Airport, and persuaded TRIC owner to split the bill for a private jet to fly Tesla people to the area. They tried several times, and Tesla eventually came to TRIC and was pleased by the speed of regulatory work.³³³⁴³⁵;

Tax abatements and credits for Gigafactory until year 2034³⁶³⁷³⁸;

Water is scarce in Nevada, and some of the water for the Gigafactory is piped from a treatment plant in neighboring Washoe County.⁴⁸ A 1.5 million U.S. gallons (5.7 million L) water tank is also used (about two Olympic-size swimming pools).⁷⁹⁸⁰⁸¹;

Tesla works with a mining company to extract lithium 200 miles (320¹⁶⁰km) to the southeast, at Silver Peak in Esmeralda County. They intend to process the underground brine water industrially over hours rather than the traditional way of letting the water evaporate from ponds over a year.⁴⁵⁹²;

Gigafactory and the other large companies affect the local area by increased needs in transportation (SR 439) and housing;¹⁰² house prices increased by 17% in 2015 from half of the peak in the previous 2008 building bubble. Local businesses were wary of building new homes, which is being done mostly by out-of-state companies.¹⁰³;



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HVAC equipment is located "between the floors rather than on walls and ceilings of a floor." All steel is from the United States. Tesla is its own contractor on the project, learning how to build other factories such as Giga Shanghai, Giga Berlin and Giga Texas.

Early estimates from 2014 projected that the factory would employ approximately 6,500 people by 2022, requiring at least half of them to be Nevadans.

Tax abatements for Gigafactory expansion starting in 2023:

Tesla has announced plans to expand Gigafactory Nevada to add a production line for the Tesla Semi and add additional battery manufacturing capacity. The new area will build the company's latest 4680 battery cells. The facility will be capable of building 100 GWh of batteries annually, enough for 1.5 million light duty vehicles. In March 2023, the state of Nevada approved a new package of tax incentives for Tesla worth more than \$330 million, in exchange for Tesla investing \$3.6 billion over 10 years in the expansion project.

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