

# How the "Big, Beautiful Bill" Will Impact South Dakota's Manufacturing and Energy

Data is sourced from the [Clean Economy Tracker](#) unless otherwise noted. Data as of June 2025. Fact sheet updated July 2025.

Questions? Reach out to us at [info@cleaneconomytracker.org](mailto:info@cleaneconomytracker.org).

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## What does the "Big, Beautiful Bill" mean for domestic clean energy manufacturing? What does it mean for South Dakota?

In 2022, new federal law introduced domestic energy manufacturing incentives and federal support for clean energy projects. South Dakota has seen at least **\$281.7 million** committed to clean manufacturing, creating **780 jobs for South Dakotans**.

The "Big, Beautiful Bill" threatens these gains by cutting access to key tax credits and programs, including:

- Adding restrictions to the Advanced Manufacturing Production Tax Credit (45X), which incentivized U.S. clean energy supply chain components.
- Adding restrictions to credits for wind and solar projects (45Y, 48E), which included bonuses for U.S.-sourced materials.

These credits – along with Department of Energy loans and grants – promote domestic clean energy manufacturing and deployment, creating good jobs. Some credits incentivized companies to pay [prevailing wages and offer apprenticeships](#), ensuring jobs are high-quality and family-sustaining.

South Dakota is also the [nation's leader](#) in share of electricity from clean sources—92% of the state's 2024 energy coming from renewables.

## Which South Dakota manufacturing projects are at risk?

- In September 2021, AESir Technologies announced a new battery gigafactory in Rapid City, SD, [an investment of \\$250 million](#) that will support 400 jobs in the first five years. The facility will manufacture nickel-zinc batteries, serving the fast-growing data center market and the telecom sector. AESir's battery technology also powers our national security, developing batteries for submarines and intercontinental ballistic missiles.
  - South Dakota's Governor at the time, Kristi Noem, [celebrated the announcement](#).
- In October 2023, [Marmen Energy completed an expansion](#) of its wind tower manufacturing facility in Brandon, SD, adding 50 new jobs. The expansion brought the facility's total footprint to 260,000 sq ft and 300 total jobs. As it cut the ribbon on its expanded facility,

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Marmen [noted](#) that they were “fully booked” for the upcoming year, and that the company owns land around its facility giving Marmen the opportunity to expand further.

- At the ribbon-cutting, the plant's manager specifically noted that [federal funds from are helping drive demand for the products they manufacture](#) in Brandon.
- As part of its Brandon manufacturing, Marmen is working with local high schools and technical colleges to build a pipeline of welders and offering internships in the trades.
- In 2025, enCore Energy released its preliminary economic assessment (PEA) for its proposed Dewey-Burdock [uranium production facility](#) in Edgemont, SD, which will create up to 80 jobs.
  - The project is expected to produce about 1 million pounds of uranium per year, an American source of fuel for the nation's nuclear energy, helping the United States strengthen its energy security. The company [estimates](#) that this project will provide \$9 million in payroll annually in the local communities.

## What will the “Big, Beautiful Bill” mean for South Dakota's energy?

South Dakota [led](#) the United States in share of electricity from clean sources in 2024, with **92% coming from renewables**. South Dakota has **5,569 GW** of clean electricity deployed. The table below shows the breakdown of clean electricity generation by technology:

### Clean Power in South Dakota

Technology	Operating (MW)	Planned (MW)	Construction (MW)	Total (MW)
Wind	3,705.6	-	-	3705.6
Solar Photovoltaic	209	-	4.9	213.9
Hydroelectric	1,648.4	-	-	1,648.4
Biomass	5.4	-	-	5.4
Batteries	0.8	-	-	0.8
<b>Total</b>	<b>5,569.2</b>	<b>-</b>	<b>4.9</b>	<b>5,574.1</b>

*Data refers to nameplate capacity for clean energy generation.*

## Which South Dakota energy projects are at risk?

South Dakota's cold winters and hot summers make for [high](#) per capita energy demand. Its flat open spaces have proven ideal for wind power. which South Dakota has led the way on for more than 20 years. Even [more](#) wind development is proposed. But without clean energy incentives, South Dakota's trajectory is at risk. Wind infrastructure also benefits from a strong and reliable made-in-America supply chain spurred by these clean energy credits and incentives. Some of the state's largest wind developments have been completed in the past three years, including:

- The [Sweetland](#) Wind Farm in Hand County, which came on-line in 2023, generates 200 MW of affordable, renewable energy. The project provided 200 local jobs during development and construction.
- The [North Bend](#) Wind Project in Hyde and Hughes counties, which came on-line in 2023, generates 200 MW of renewable power.

## Will my energy bills go up?

The law eliminates programs and cuts access to key credits that lower the cost of energy. [Energy Innovation estimates](#) that the average South Dakota household will spend nearly **\$190 more per year on energy by 2030**, and **\$450 more by 2035**.

## Is South Dakota alone?

No. We are experiencing a nationwide boom in the U.S. clean economy. In the last three years, companies have announced at least \$169 billion in investments and 172,900 jobs across over 600 clean manufacturing projects in 47 states, with 77% of investment in Republican districts. Clean energy projects totaling 325 GW, enough to [power](#) 105 million homes or 209 million EVs, have been built or planned, 80% in Republican districts. This equals the energy output of [156 Hoover Dams](#).

With this new law, [Energy Innovation projects](#) a \$1.1 trillion GDP drop from 2025-2034. Electricity costs would rise 50%, adding \$170 billion annually for consumers by 2035. By 2030, 830,000 jobs would be lost, and an additional 790,000 jobs will be lost by 2035.

## Top Ten Employers in South Dakota

[\(source](#) - listed alphabetically)

- 3M
- Amazon.com Services
- Avera Health
- Avera McKennan Hospital
- Daktronics Inc.
- Monument Health Rapid City Hospital
- Sanford Clinic
- Sanford USD Medical Center
- Smithfield Packaged Meats
- Wells Fargo Bank