South Dakota

Energy Efficiency Jobs in America

7,643
Total Jobs

What are EE jobs?

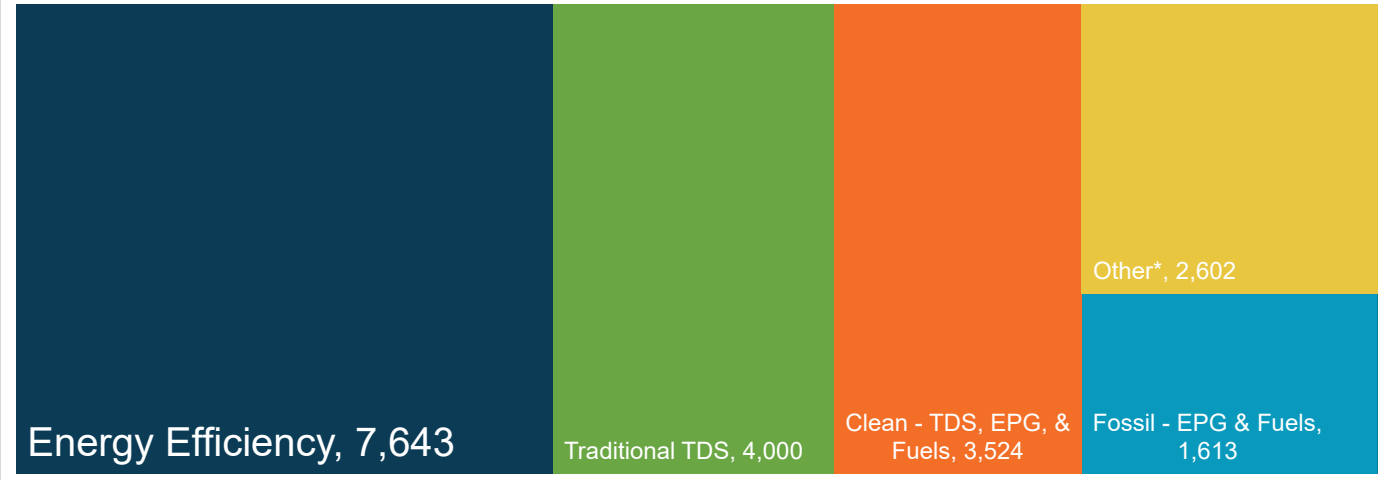
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

What do EE workers do?

- **Manufacture and install** high-efficiency systems, controls, windows, insulation, and ENERGY STAR-certified appliances and products in existing and new homes, commercial and industrial buildings.
- **Design and construct** high-performance buildings such as those earning nationally recognized sustainability and environmental performance ratings.
- **Upgrade and repair** heating, air conditioning, and ventilation (HVAC) and water heating equipment.
- **Educate** property owners and managers on building improvements to unlock savings for businesses, homeowners, schools, states, municipalities, military bases, and more.
- **Analyze building data** using software to maximize energy savings through targeted performance improvements and behavioral changes.
- **Review and approve loans** to finance energy savings performance contracts to improve the comfort, health, and operational costs of buildings.

How does EE compare in South Dakota?

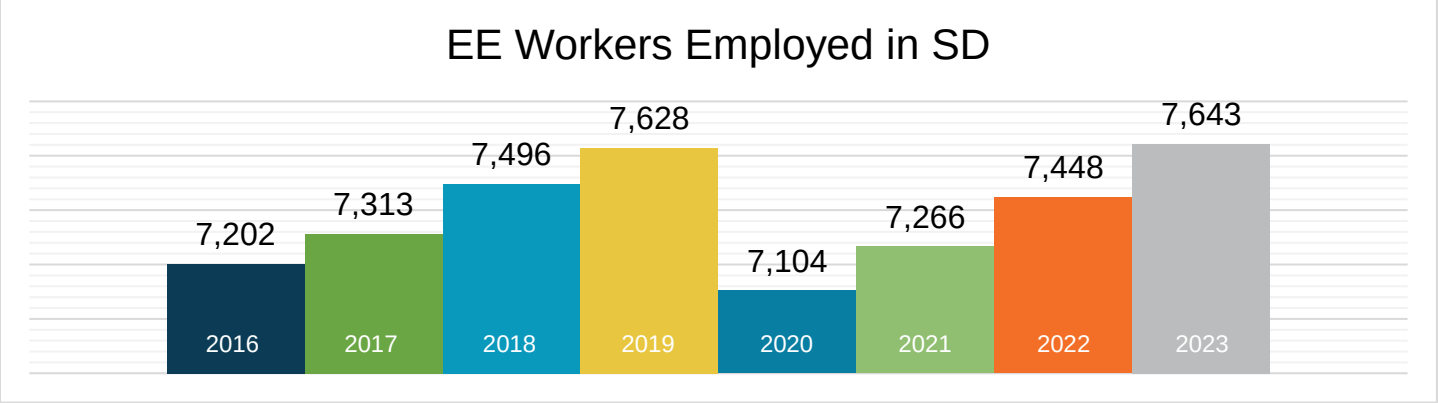
Energy efficiency is the largest energy sector in South Dakota.

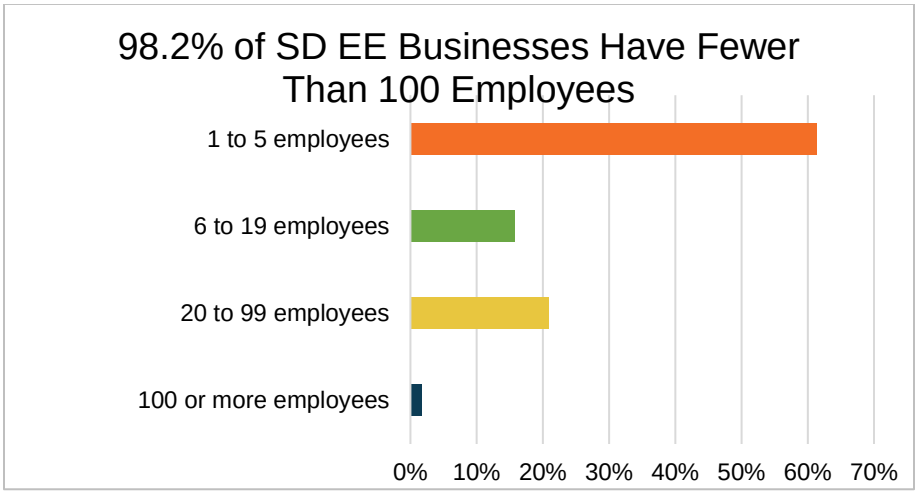


TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation
Nuclear (EPG & Fuels) = 4
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

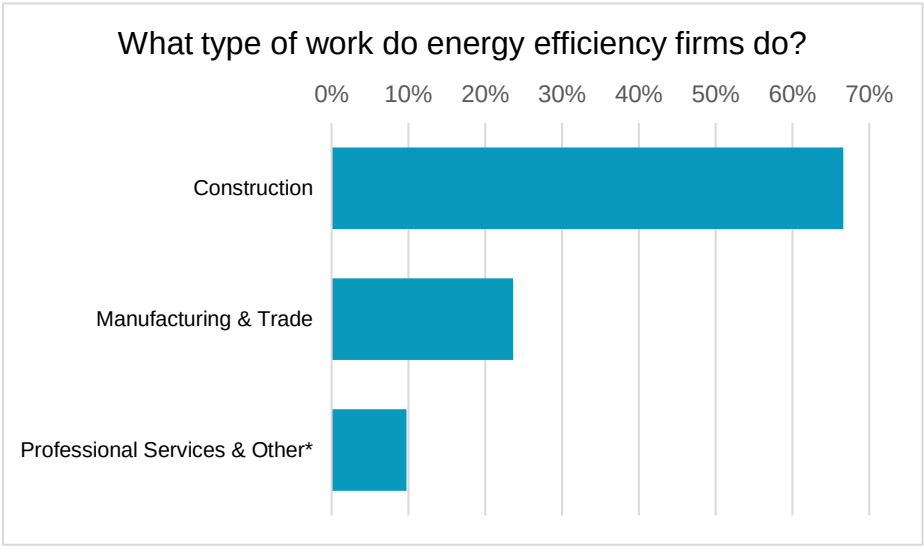
What does EE look like in South Dakota?



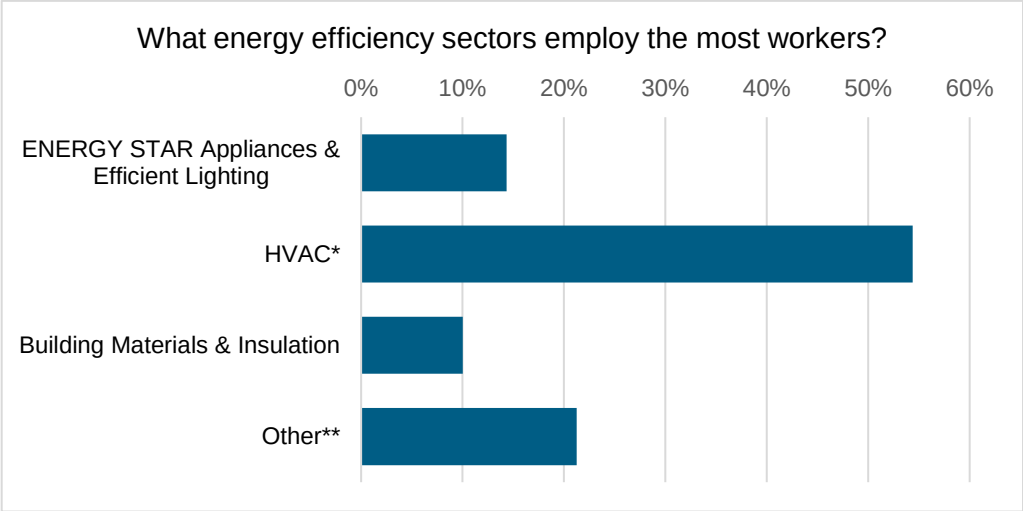


2,514
EE businesses in South Dakota

EE construction workers comprise **18%** of South Dakota's construction workforce



*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.



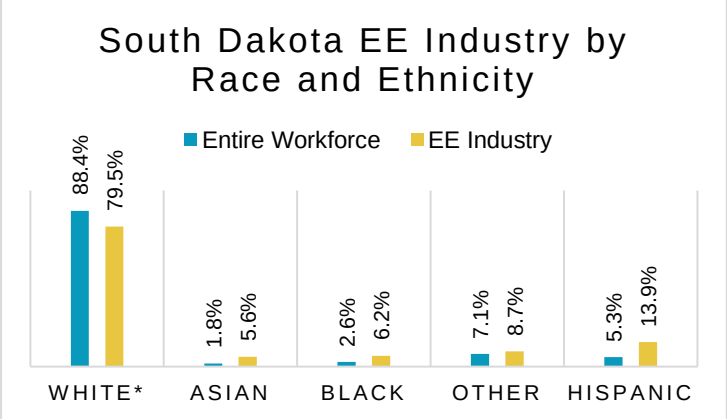
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

10%
of South Dakota EE workers are **Veterans**

How is EE doing on diversity in South Dakota?

Demographic data is critical to measure progress in expanding the diversity of the EE industry. A more inclusive industry that reflects the communities it serves is a stronger one that better meets the needs of all U.S. residents. Promoting diversity in hiring is key to maintaining a future workforce of qualified professionals and ensuring all South Dakota communities are represented in the EE sector.

The EE industry needs to do more to prioritize minorities and women for training and support that enables access to employment at South Dakota businesses.



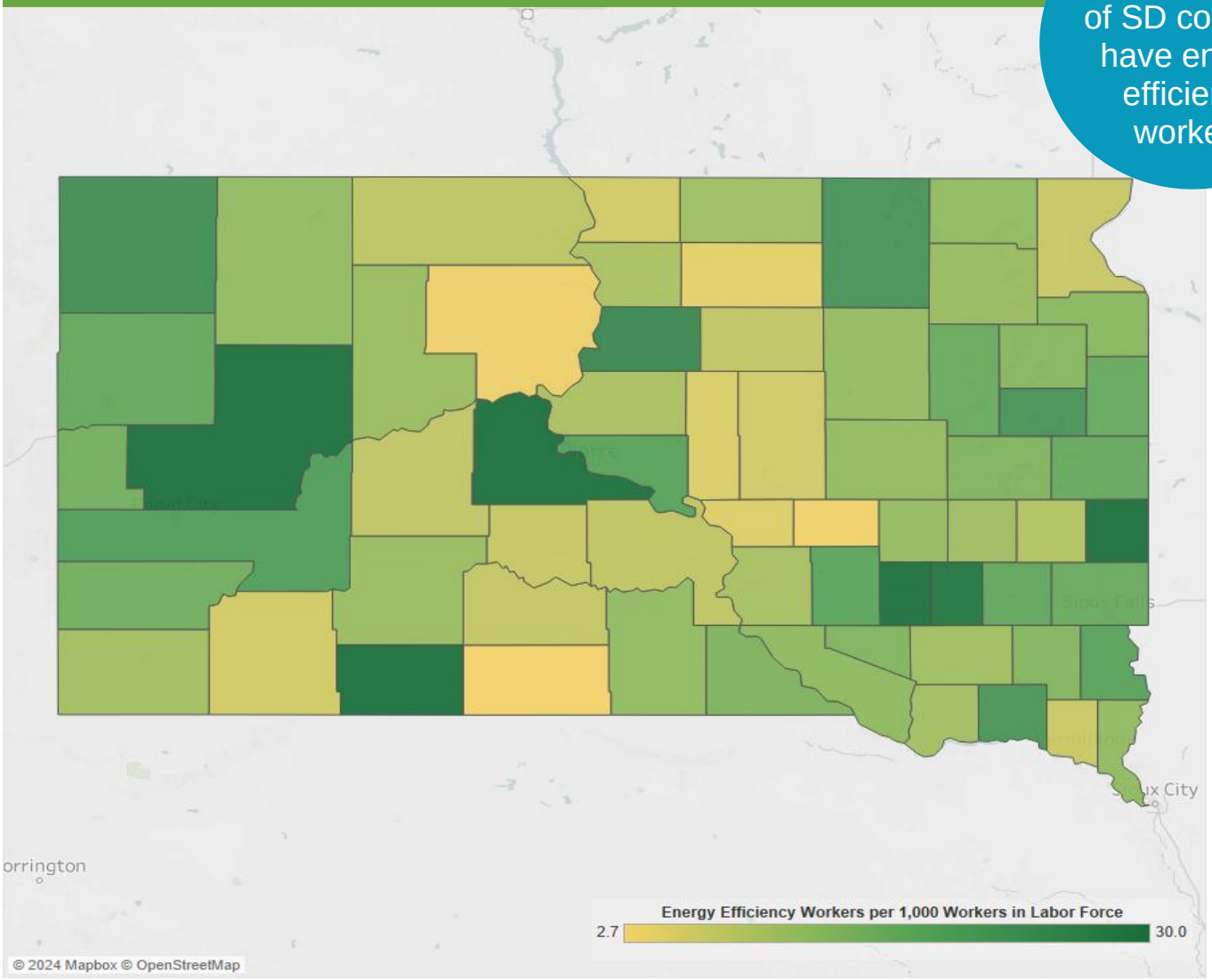
*Includes non-Hispanic and Hispanic whites.

Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. Non-binary gender data is missing from this document due to this limitation.

Energy Efficiency Jobs are Everywhere

EE Jobs by County

100% of SD counties have energy efficiency workers



The energy efficiency job concentration displayed above is capped at thirty jobs per thousand in order to maintain observable differences between the majority of counties within the state. This is done to eliminate the influence outliers have on overall color gradient. For a full list of energy efficiency jobs by county, please visit the Department of Energy's (DOE) United States Energy and Employment Report (USEER) County-Level data site at https://www.energy.gov/media/330956.

Congressional	
District	**Jobs**
1	**7,643**

Metropolitan Areas	
Area	**Jobs**
Rapid City	**1,484**
Sioux City	**118**
Sioux Falls	**2,781**
Rural	**3,259**

State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	550	10	242	19	346	28	242
2	189	11	<10	20	42	29	1,073
3	<10	12	193	21	147	30	219
4	534	13	<10	22	196	31	98
5	<10	14	<10	23	173	32	<10
6	511	15	<10	24	283	33	<10
7	<10	16	149	25	14	34	<10
8	152	17	141	26	88	35	<10
9	1,886	18	37	27	82		

State House of Representatives							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	535	19	337	37	<10	55	<10
2	184	20	41	38	<10	56	<10
3	<10	21	143	39	<10	57	<10
4	520	22	162	40	<10	58	<10
5	<10	23	169	41	<10	59	<10
6	498	24	276	42	<10	60	<10
7	<10	25	14	43	<10	61	<10
8	148	26	<10	44	<10	62	<10
9	1,841	27	80	45	<10	63	<10
10	235	28	<10	46	<10	64	<10
11	<10	29	1,148	47	<10	65	<10
12	188	30	213	48	<10	66	<10
13	<10	31	221	49	<10	67	<10
14	<10	32	<10	50	<10	68	<10
15	<10	33	<10	51	<10	69	<10
16	145	34	<10	52	<10	70	<10
17	137	35	<10	53	<10		
18	169	36	<10	54	<10		

The Building Performance Association (BPA) is a 501(c) 6 nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more comfortable, healthy, and energy efficient. Our mission is to transform the market for the home performance industry through advocacy, education, professional development, and networking. Visit www.building-performance.org.

E4TheFuture is dedicated to bringing clean, efficient energy home for every American and promotes energy solutions to advance climate protection and economic fairness. Visit www.E4TheFuture.org.

BW Research Partnership is a full-service, economic and workforce research consulting firm with offices in Carlsbad, California and Wrentham, Massachusetts. It is the nation's leading provider of accurate, comprehensive energy and clean energy research studies. Visit www.bwresearch.com.

Data Source: Unless otherwise stated, all data are from the U.S. Energy and Employment Report, August 2024, by the U.S. Department of Energy (see Appendix B for methodology details). This methodology — adopted by the U.S. Dept. of Energy for its 2017 U.S. Energy and Employment Report, approved by the Office of Management and Budget and grounded on data collected by the Bureau of Labor Statistics — provides the broadly accepted best accounting of all U.S. energy workers.

For questions on BPA analyses please email: communications@building-performance.org