

# North Dakota

## Energy Efficiency Jobs in America

5,293  
Total Jobs

### What are EE jobs?

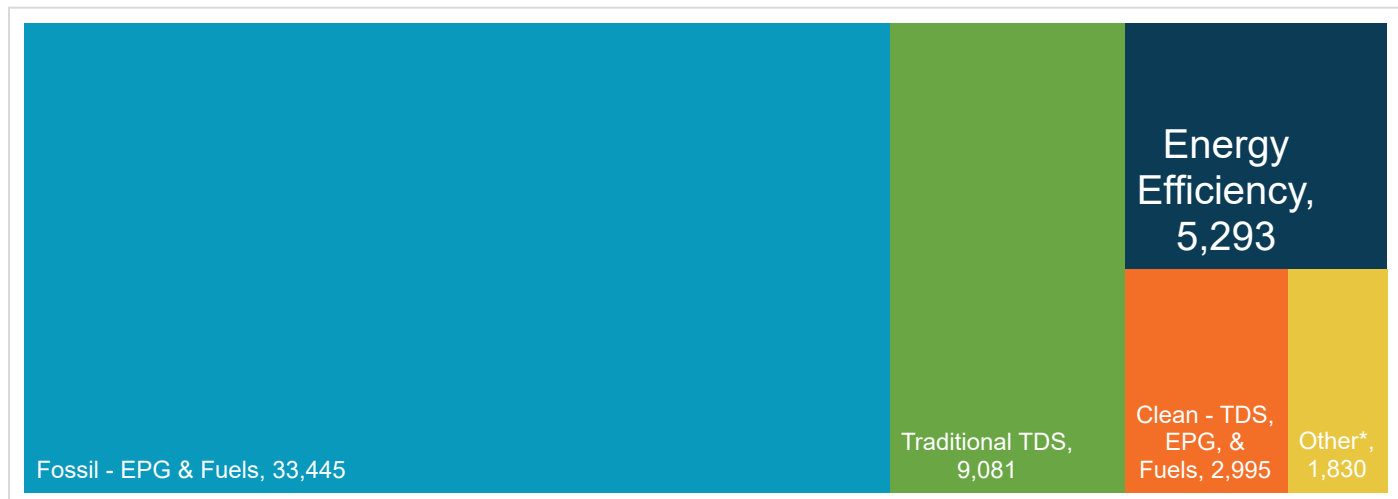
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

### 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 North Dakota?

Energy efficiency is the third largest energy sector in North Dakota.



TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 7

\*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

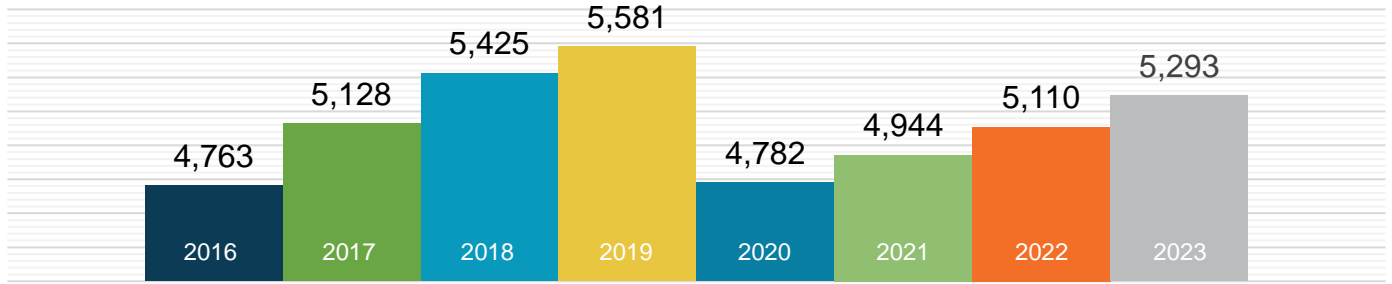
Presented by:



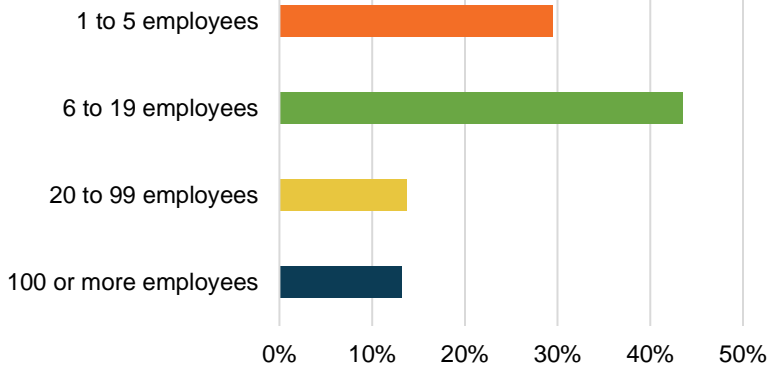
E4 THE FUTURE

# What does EE look like in North Dakota?

## EE Workers Employed in ND



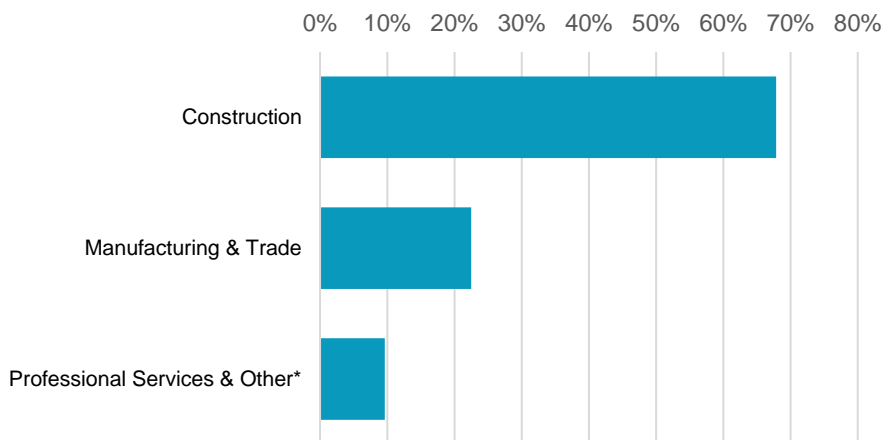
## 86.8% of ND EE Businesses Have Fewer Than 100 Employees



EE construction workers comprise **14%** of North Dakota's construction workforce

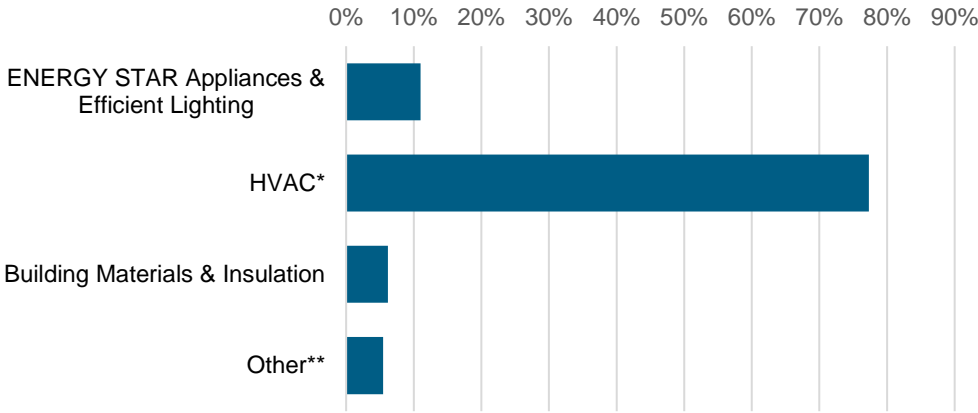


## What type of work do energy efficiency firms do?

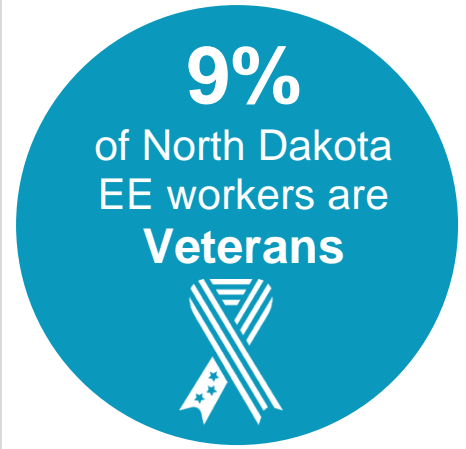


\*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.

### What energy efficiency sectors employ the most workers?



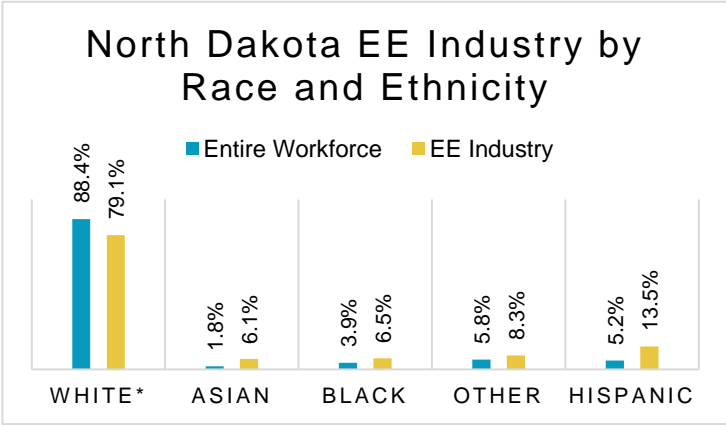
\*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling  
 \*\*Other such as energy audits, building certifications, and software services



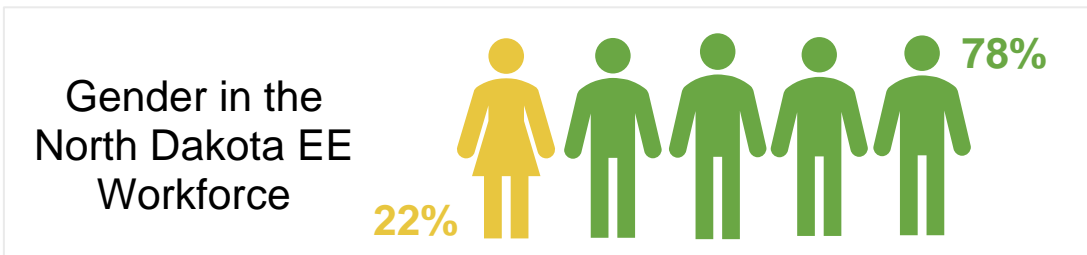
## How is EE doing on diversity in North Dakota?

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 North 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 North Dakota businesses.



\*Includes non-Hispanic and Hispanic whites.

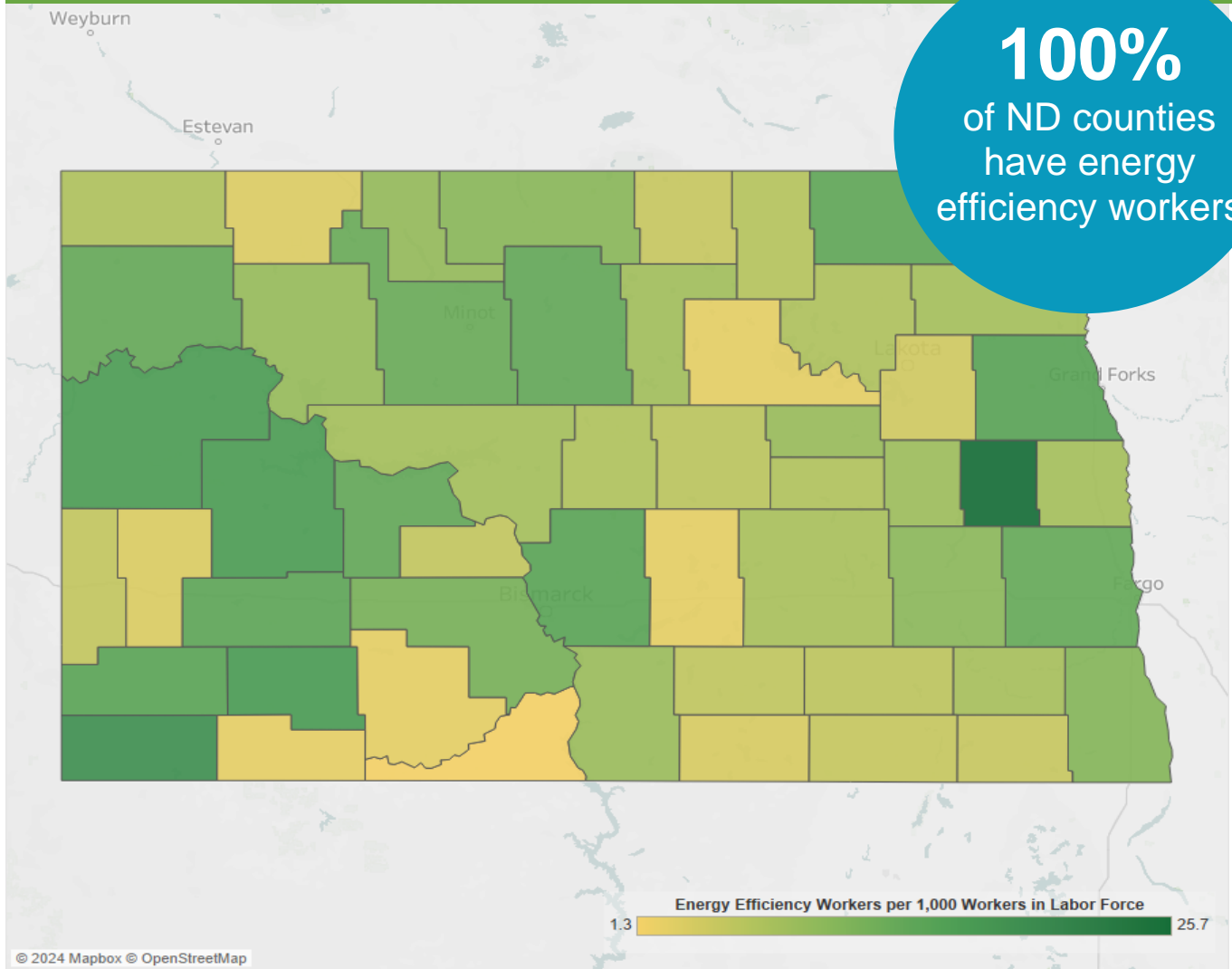


Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. Non-binary gender data is missing from this document due to this limitation.



# Energy Efficiency Jobs are Everywhere

## EE Jobs by County



Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	5,293	Bismarck	977
		Fargo	1,675
		Grand Forks	587
		Rural	2,054

## State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	351	13	317	25	115	37	<10
2	129	14	142	26	109	38	<10
3	416	15	89	27	<10	39	240
4	136	16	150	28	61	40	<10
5	<10	17	325	29	23	41	<10
6	112	18	<10	30	<10	42	<10
7	560	19	82	31	230	43	<10
8	34	20	56	32	<10	44	<10
9	30	21	328	33	26	45	<10
10	102	22	106	34	<10	46	<10
11	347	23	24	35	<10	47	<10
12	94	24	135	36	337		

## State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	332	25	110	49	<10	73	<10
2	125	26	105	50	<10	74	<10
3	398	27	<10	51	<10	75	<10
4	130	28	58	52	<10	76	<10
5	<10	29	22	53	<10	77	<10
6	107	30	<10	54	<10	78	<10
7	536	31	220	55	<10	79	<10
8	33	32	<10	56	<10	80	<10
9	28	33	25	57	<10	81	<10
10	98	34	<10	58	<10	82	<10
11	332	35	<10	59	<10	83	<10
12	90	36	325	60	<10	84	<10
13	304	37	<10	61	<10	85	<10
14	136	38	<10	62	<10	86	<10
15	86	39	229	63	<10	87	<10
16	144	40	<10	64	<10	88	<10
17	311	41	<10	65	<10	89	<10
18	<10	42	<10	66	<10	90	<10
19	79	43	<10	67	<10	91	<10
20	53	44	<10	68	<10	92	<10
21	314	45	<10	69	<10	93	<10
22	101	46	<10	70	<10	94	<10
23	23	47	<10	71	<10		
24	129	48	<10	72	<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](http://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](http://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](http://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](mailto:communications@building-performance.org)

