North Dakota

Energy Efficiency Jobs in America

5,663
Total Jobs

What are EE jobs?

Jobs that reduce energy use by improving efficiency in 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, as well as 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 to other energy sectors in North Dakota?

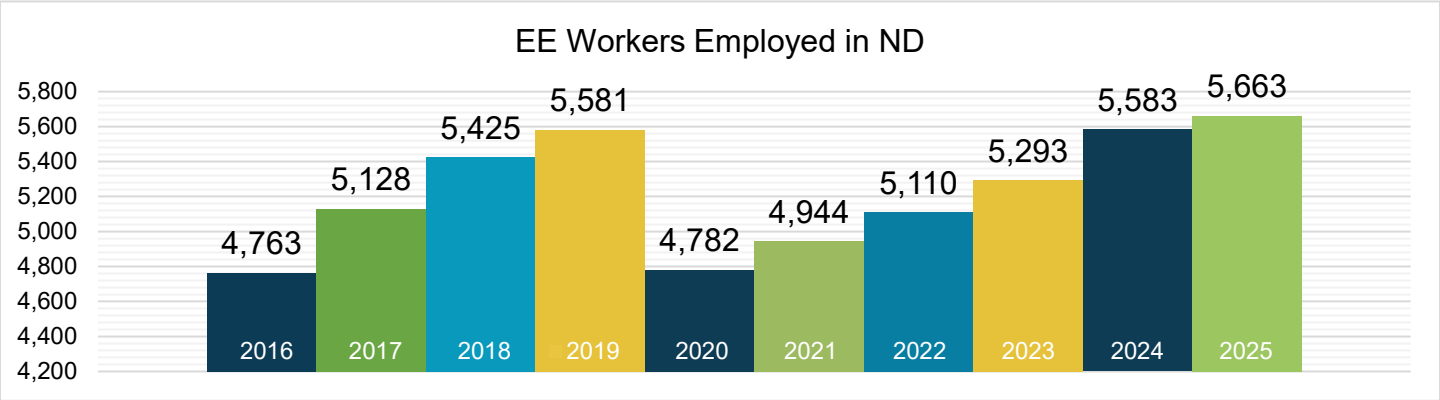
Energy efficiency is the third largest energy sector in North Dakota.

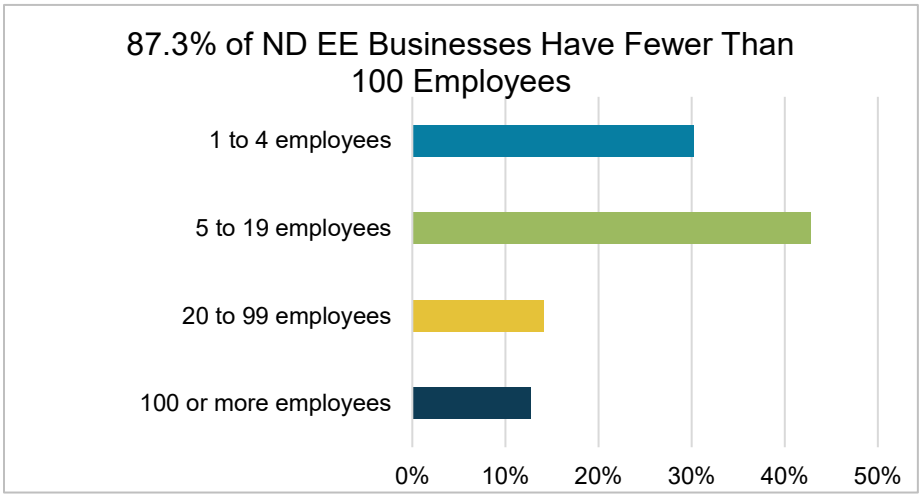


TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 9
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

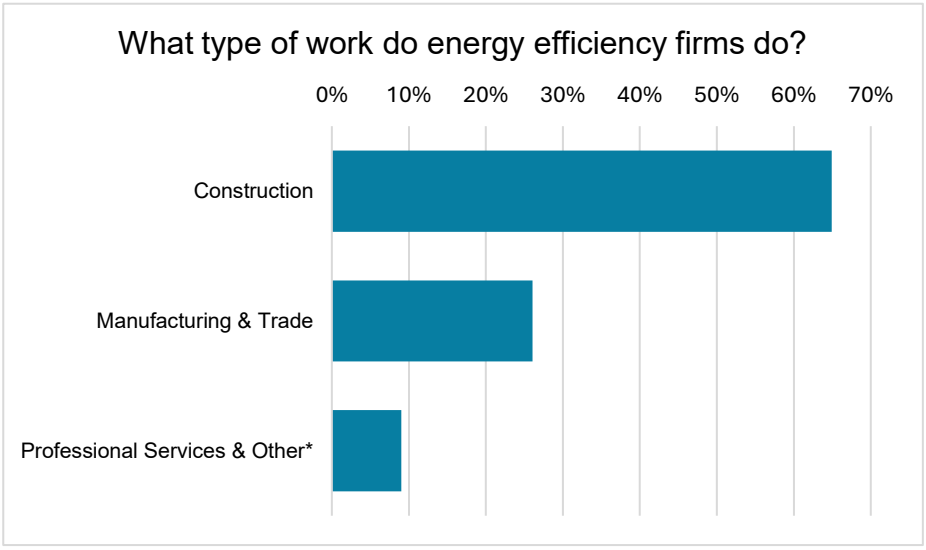
What does EE look like in North Dakota?



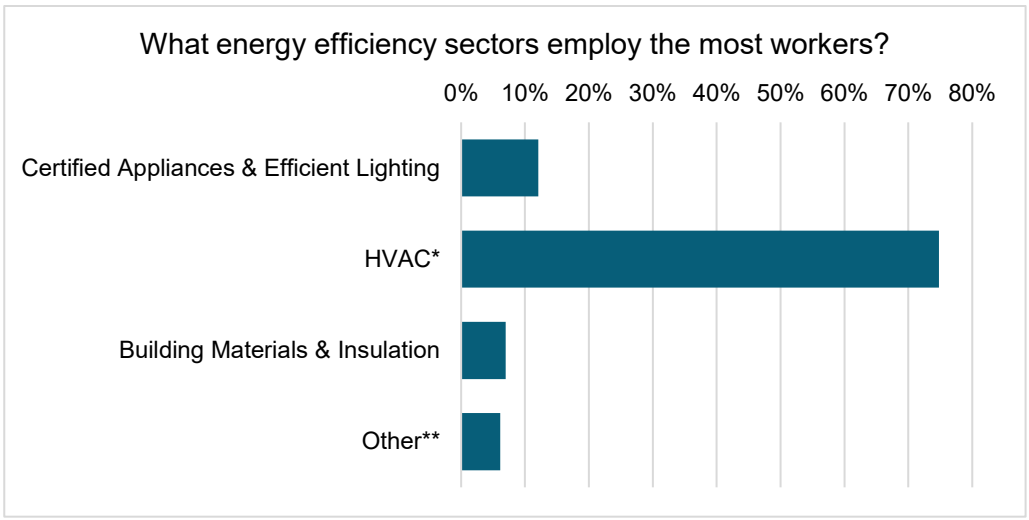


761
EE businesses in North Dakota

EE construction workers comprise **12%** of North Dakota's construction workforce



*Professional services include finance, accounting, architecture, engineering, research and development, and more. The "other" category includes roles in maintenance, business operations, and nonprofit organizations.



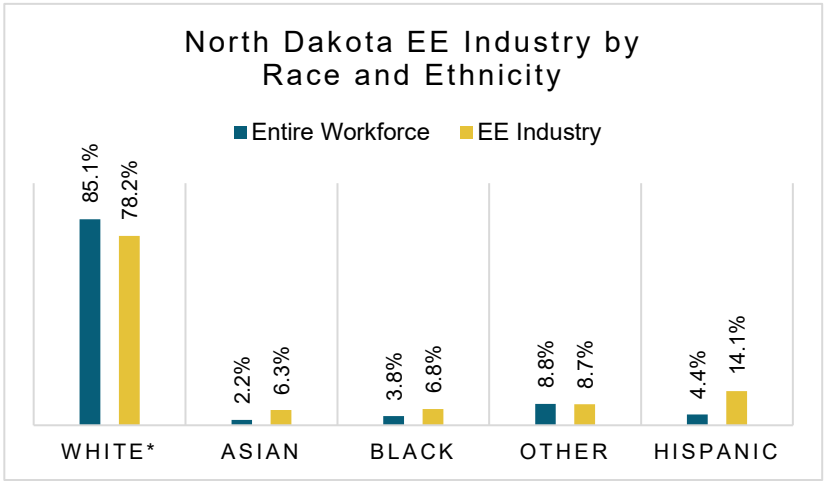
9%
of North Dakota EE workers are **veterans**

Certified Appliances = ENERGY STAR-certified appliances
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating and cooling
**Other includes energy audits, building certifications, and software services

How representative is the EE workforce in North Dakota?

Demographic data is critical to measure progress towards a more representative EE workforce. Tracking this data helps show how well North Dakota's EE workforce reflects the communities it serves and where gaps remain.

Expanded training programs in North Dakota can help ensure energy efficiency careers are accessible to all.



*Includes non-Hispanic and Hispanic whites.

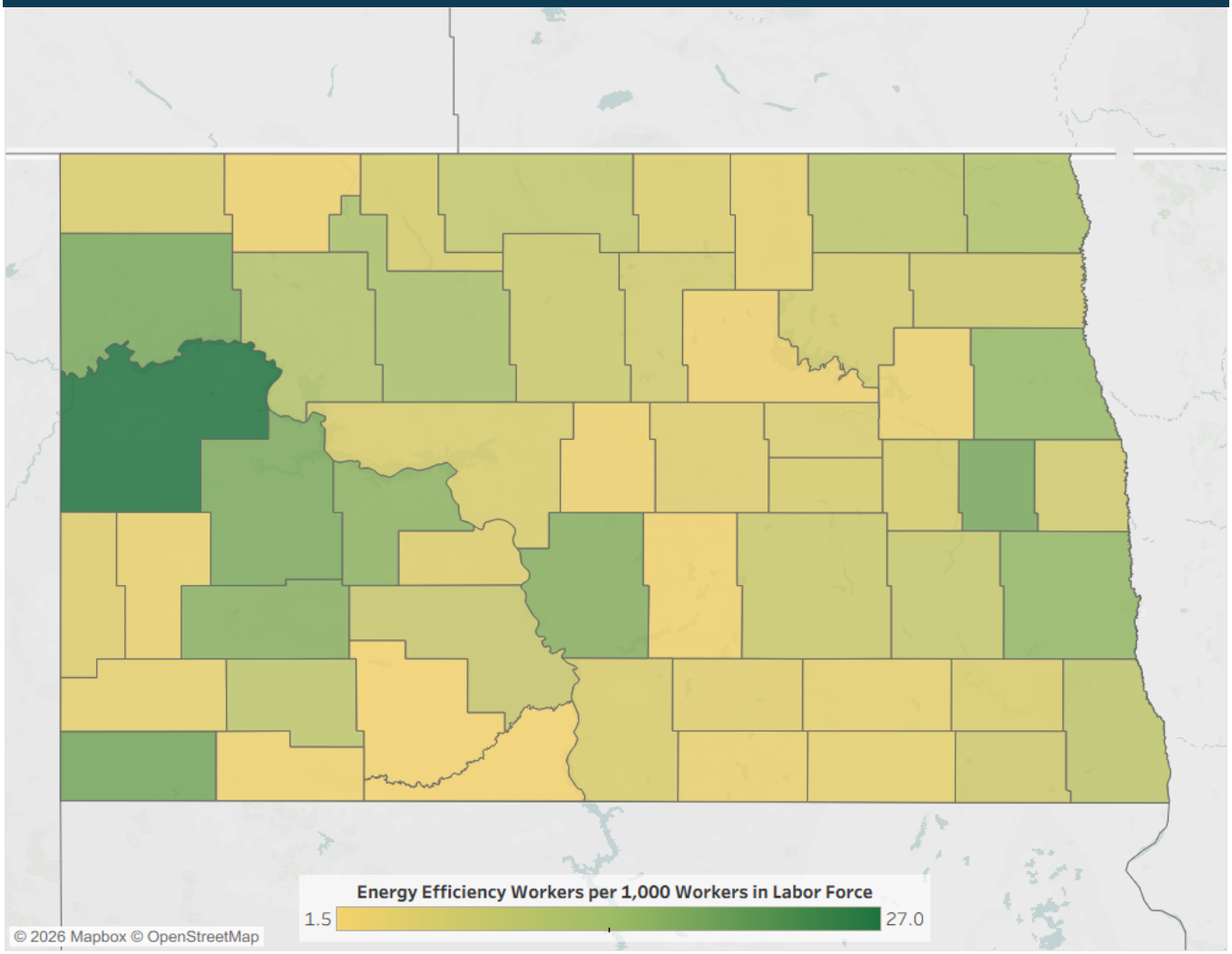
Gender in the North Dakota EE Workforce



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

Energy efficiency jobs are everywhere

EE Jobs by County



Congressional	
District	**Jobs**
1	**5,663**

Metropolitan Areas	
Area	**Jobs**
Bismarck	**1,044**
Fargo	**1,790**
Grand Forks	**626**
Rural	**2,202**

State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	285	13	338	25	78	37	224
2	70	14	40	26	192	38	14
3	<10	15	55	27	452	39	53
4	68	16	113	28	36	40	157
5	179	17	245	29	43	41	<10
6	58	18	<10	30	<10	42	162
7	298	19	70	31	13	43	326
8	24	20	88	32	237	44	266
9	25	21	247	33	64	45	46
10	77	22	85	34	117	46	<10
11	404	23	<10	35	228	47	<10
12	67	24	56	36	32		

State House of Representatives							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	285	12	67	24	56	36	32
2	70	13	338	25	78	37	223
3	<10	14	40	26	192	38	14
04A	36	15	55	27	452	39	53
04B	32	16	113	28	36	40	157
5	179	17	245	29	43	41	<10
6	58	18	<10	30	<10	42	161
7	298	19	70	31	13	43	326
8	24	20	87	32	236	44	265
9	25	21	247	33	64	45	46
10	77	22	85	34	117	46	<10
11	403	23	<10	35	227	47	<10

Faces of EE

The EE industry creates jobs, lowers bills, and strengthens the economy. Woven through communities via manufacturing, construction, professional services, and more, EE jobs are the backbone of the energy sector. This sample of people highlights just a few of the wide variety of jobs in the energy efficiency industry and the potential for growth when workforce development and training are prioritized.



Note: Some individuals pictured may have changed jobs since they joined Faces of EE.

This report was funded by the Building Performance Foundation and informed by the industry expertise of the Building Performance Association. Research was conducted by BW Research Partnership.

The Building Performance Foundation (BPF) is a 501(c)(3) charitable organization that works with policymakers, industry stakeholders, and professionals across the trades to educate and advance understanding of building performance, support workforce development, and expand access to career opportunities. Visit www.foundation.building-performance.org.

The Building Performance Association (BPA) is a 501(c)(6) industry trade association that serves and represents the professionals and businesses working to make America's homes more comfortable, healthy, and energy efficient, supporting them through membership, advocacy, education, and engagement. Visit www.building-performance.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 August 2026 U.S. Energy and Employment Report, 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.