North Carolina

Energy Efficiency Jobs in America

82,218
Total Jobs

What are EE jobs?

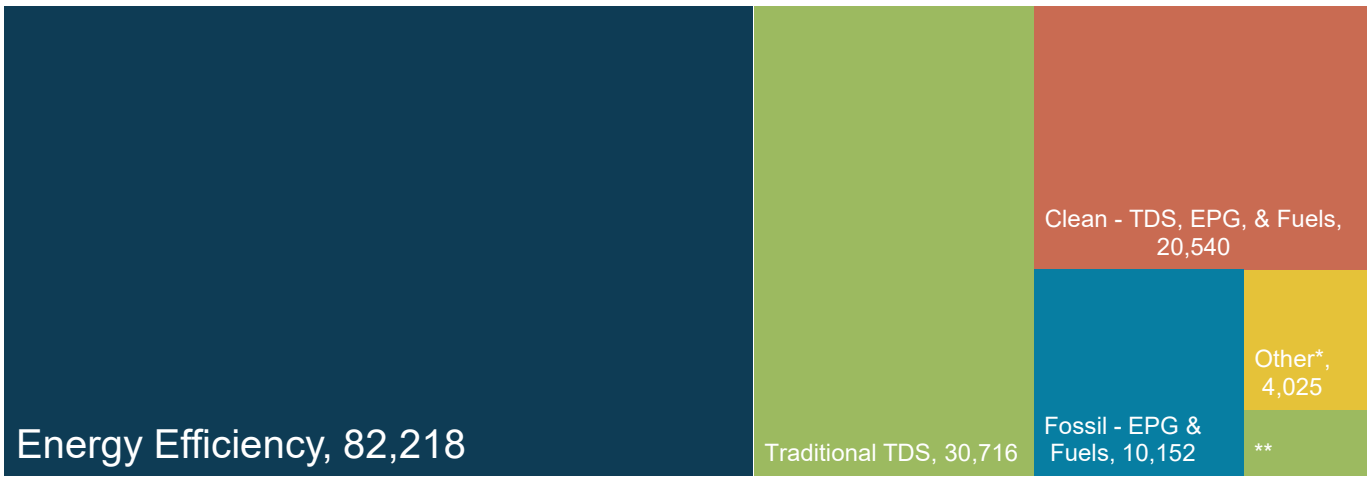
Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.

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 Carolina?

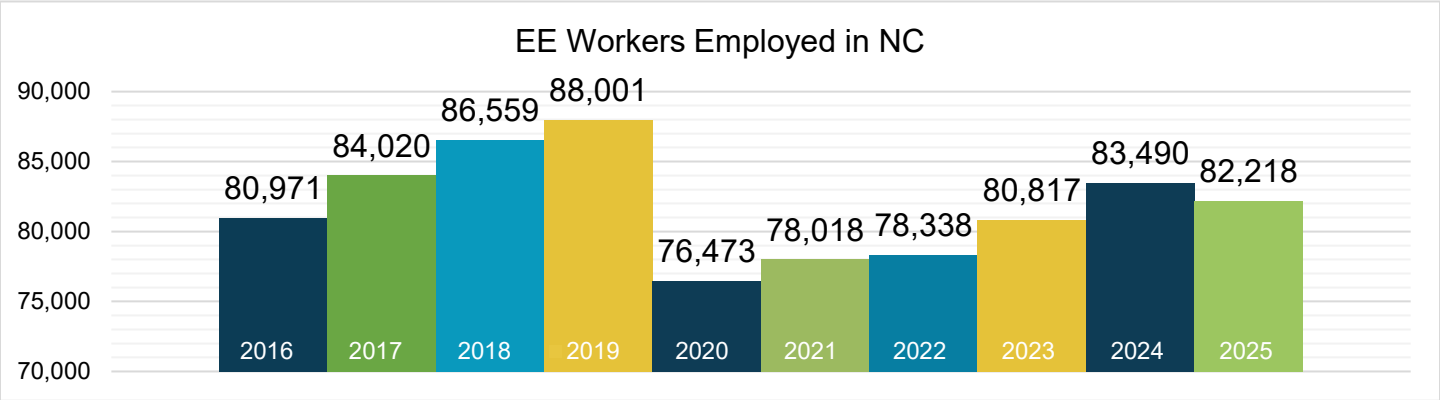
Energy efficiency is the largest energy sector in North Carolina.

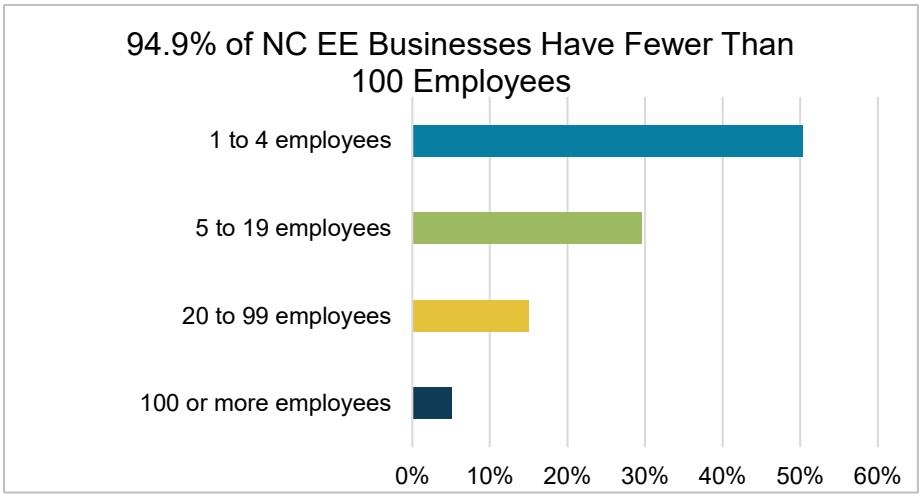


TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 1,922
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

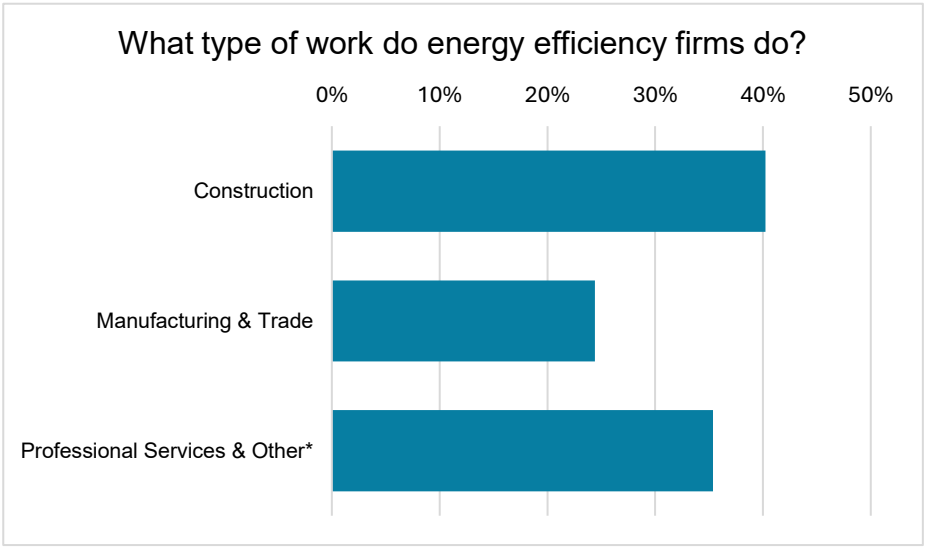
What does EE look like in North Carolina?



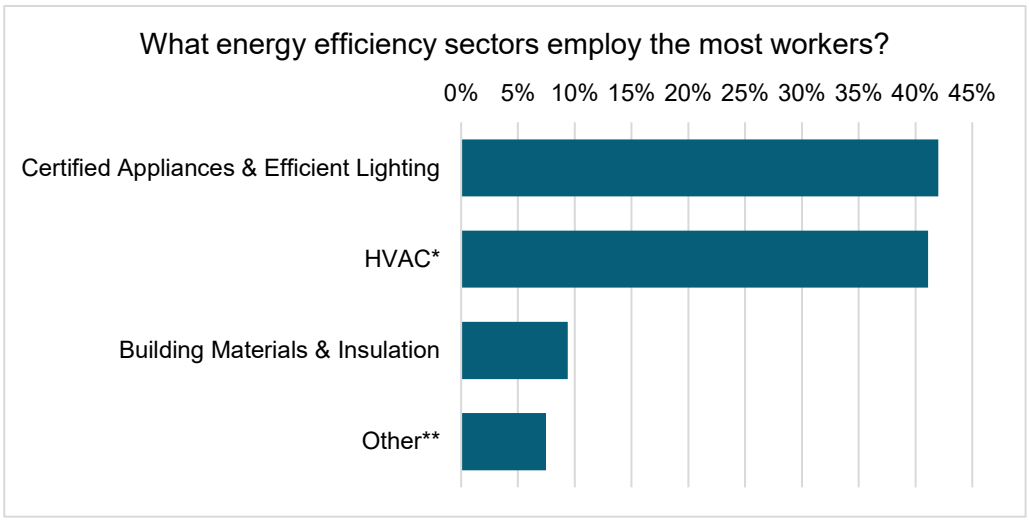








*Professional services include finance, accounting, architecture, engineering, research and development, and more. The "other" category includes roles in maintenance, business operations, and nonprofit organizations.



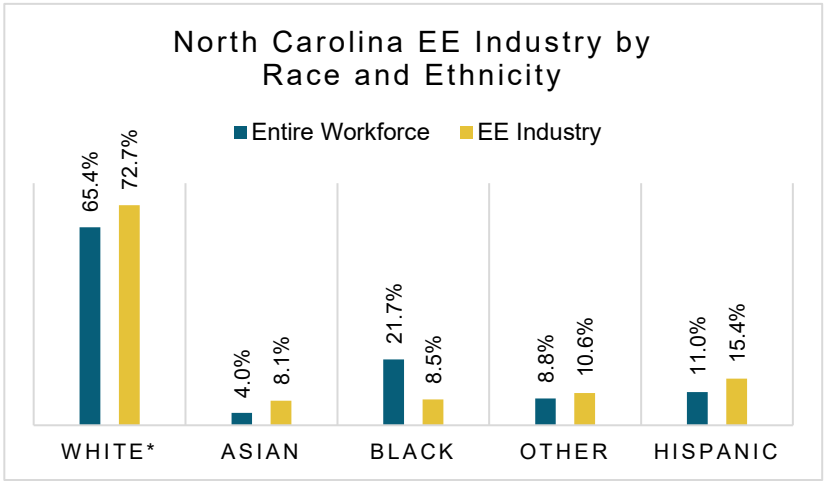
10% of North Carolina EE workers are **veterans**

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 Carolina?

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

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



*Includes non-Hispanic and Hispanic whites.

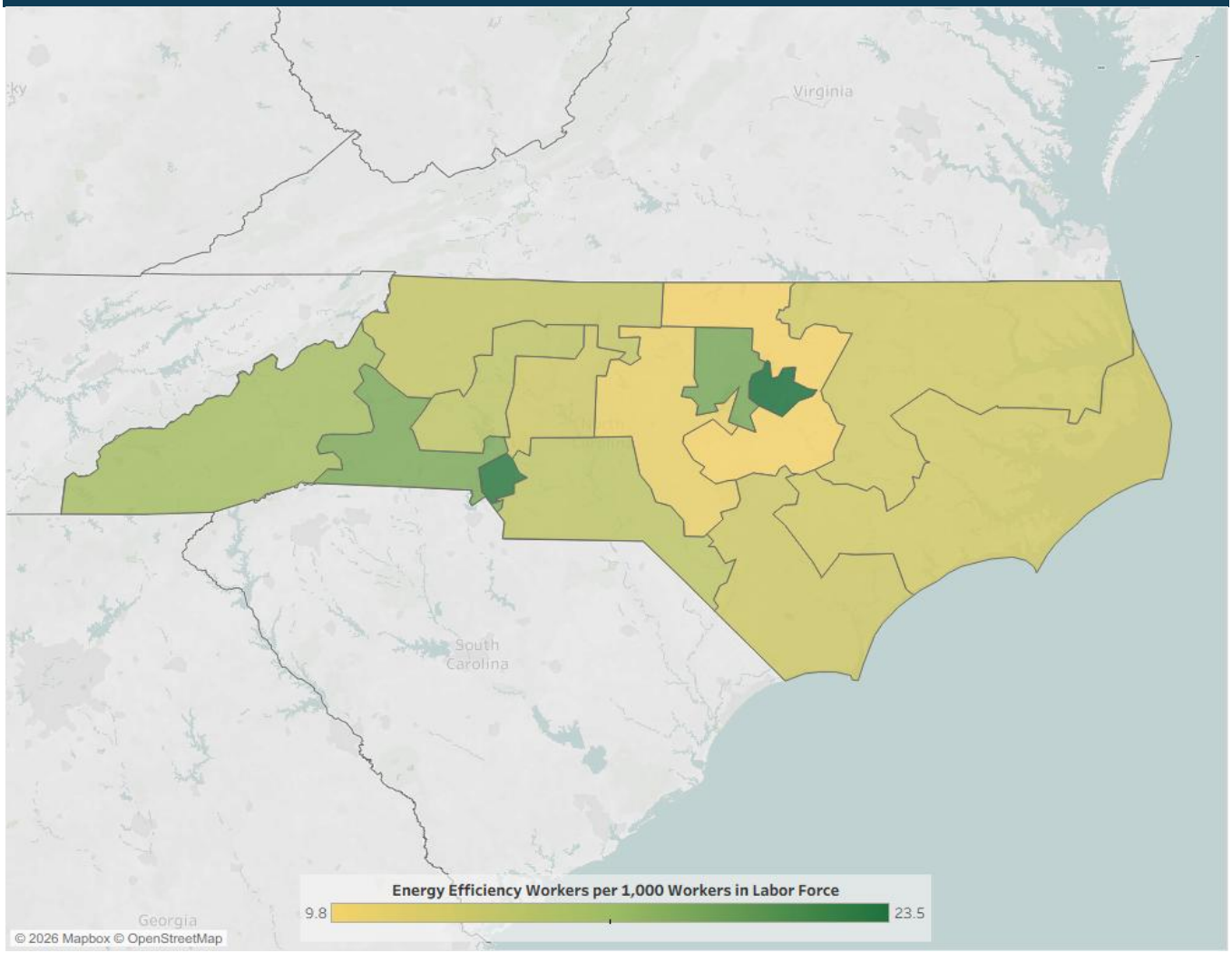
Gender in the North Carolina EE Workforce



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 Congressional District



Congressional district maps as of November 12, 2026. Once available, BPF will re-release this factsheet in 2027 with updated Congressional district maps, as needed.

Congressional				Metropolitan Areas			
District	Jobs	District	Jobs	Area	Jobs	Area	Jobs
1	4,283	9	3,732	Asheville	3,985	Hickory-Lenoir-Morganton	1,483
2	10,301	10	5,374	Burlington	730	Jacksonville	687
3	4,179	11	5,715	Charlotte-Concord-Gastonia	23,092	Raleigh	15,334
4	7,668	12	10,161	Durham-Chapel Hill	4,656	Rocky Mount	937
5	4,892	13	3,770	Fayetteville	1,806	Virginia Beach-Norfolk-Newport News	125
6	5,041	14	7,176	Goldsboro	713	Wilmington	2,646
7	4,651			Greensboro-High Point	6,244	Winston-Salem	3,774
8	5,276			Greenville	1,096	Rural	14,911

State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	990	14	2,491	27	1,852	40	2,138
2	763	15	2,308	28	2,507	41	3,921
3	1,719	16	3,080	29	1,327	42	3,659
4	1,669	17	2,253	30	945	43	1,821
5	1,373	18	1,460	31	1,006	44	1,503
6	709	19	1,255	32	1,777	45	1,199
7	2,169	20	1,526	33	1,156	46	757
8	1,007	21	903	34	1,330	47	1,014
9	764	22	2,291	35	1,601	48	1,386
10	1,077	23	1,013	36	992	49	2,460
11	1,227	24	651	37	2,429	50	1,271
12	996	25	1,090	38	2,654		
13	3,078	26	1,010	39	2,643		

State House of Representatives							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	330	31	694	61	484	91	250
2	947	32	313	62	940	92	1,053
3	615	33	1,426	63	439	93	579
4	328	34	700	64	315	94	291
5	365	35	1,016	65	406	95	861
6	390	36	1,168	66	1,183	96	611
7	430	37	1,410	67	434	97	584
8	446	38	718	68	473	98	1,563
9	685	39	875	69	929	99	1,374
10	570	40	1,648	70	604	100	1,064
11	1,016	41	679	71	725	101	604
12	683	42	432	72	798	102	1,400
13	592	43	380	73	372	103	1,229
14	204	44	303	74	369	104	1,019
15	423	45	656	75	642	105	1,407
16	408	46	232	76	651	106	1,102
17	390	47	330	77	420	107	1,609
18	1,098	48	237	78	564	108	502
19	696	49	981	79	699	109	900
20	844	50	250	80	279	110	845
21	1,609	51	512	81	474	111	571
22	246	52	358	82	720	112	834
23	325	53	193	83	360	113	446
24	871	54	348	84	809	114	512
25	720	55	445	85	494	115	844
26	515	56	645	86	237	116	1,465
27	202	57	958	87	196	117	862
28	562	58	1,064	88	1,415	118	294
29	1,172	59	630	89	496	119	401
30	840	60	885	90	534	120	674

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.