

# Tennessee

## Energy Efficiency Jobs in America

53,319

Total Jobs

### What are EE jobs?

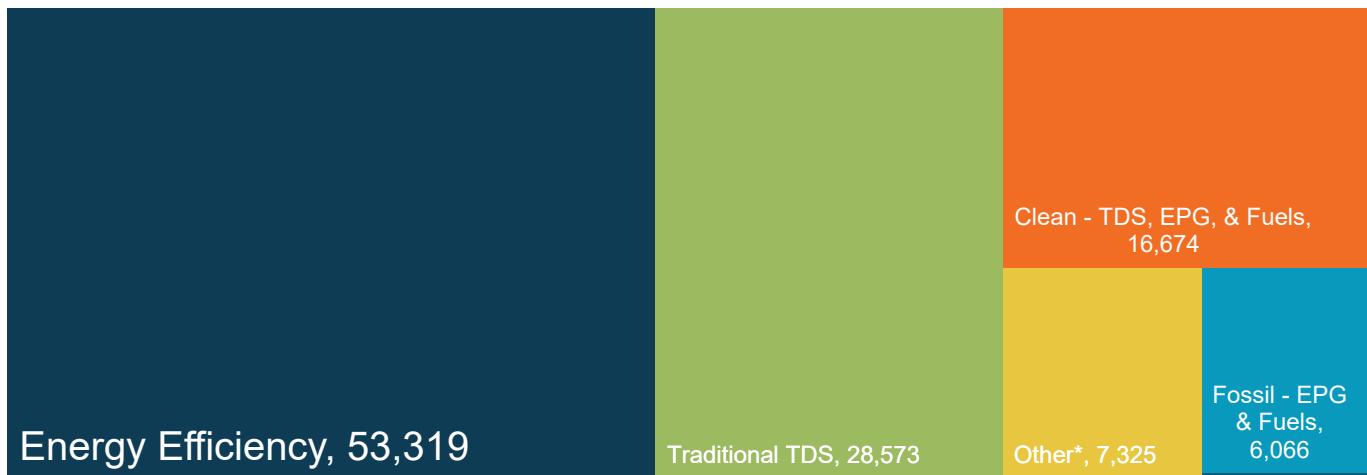
*Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.*

### 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 Tennessee?

*Energy efficiency is the largest energy sector in Tennessee.*



TDS = Transmission, Distribution, & Storage

EPG = Electric Power Generation

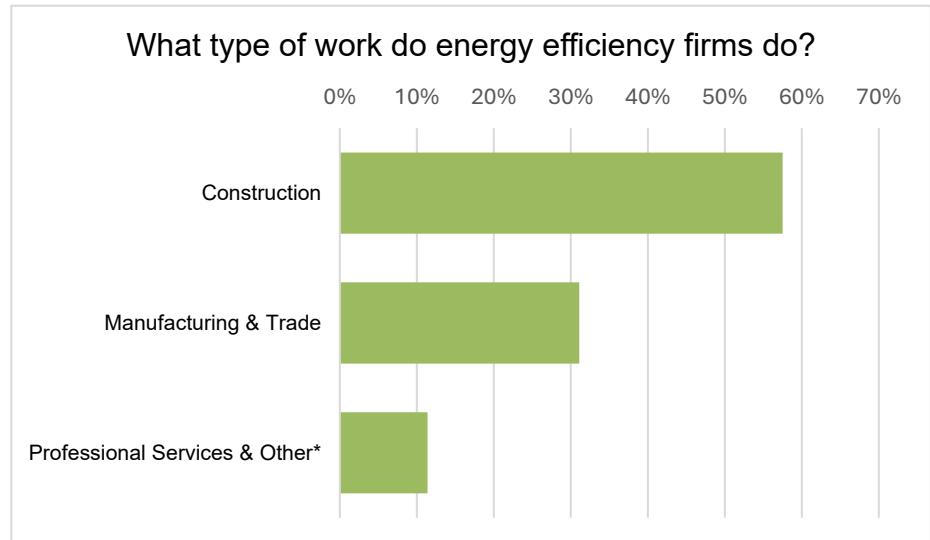
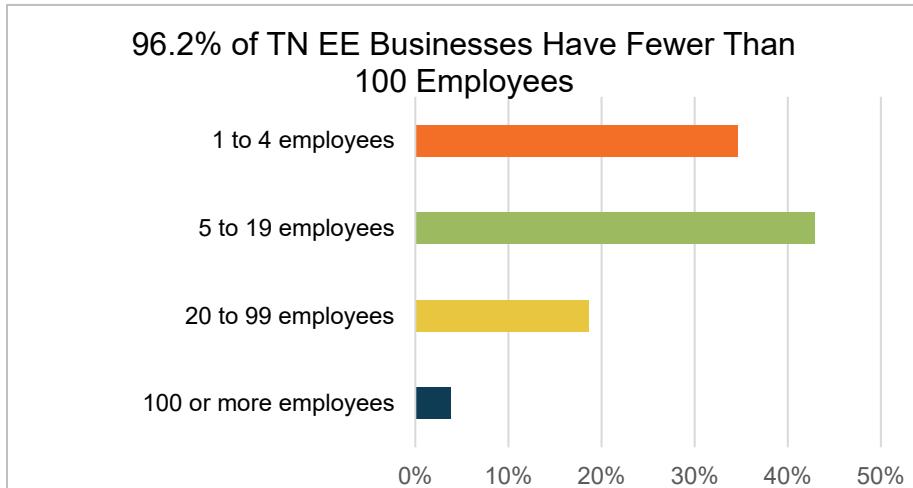
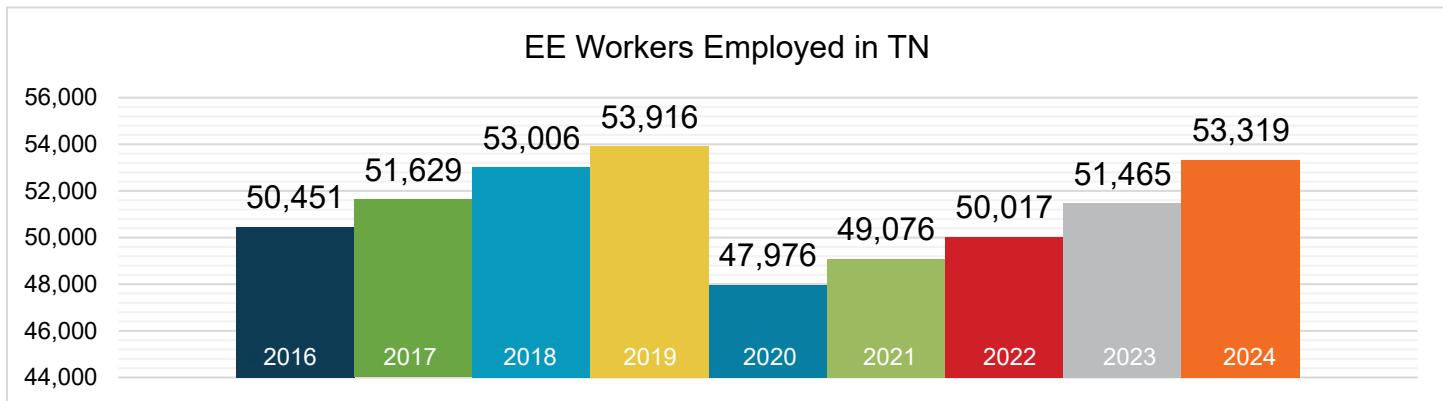
\*\*Nuclear - EPG & Fuels = 148

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

Presented by:

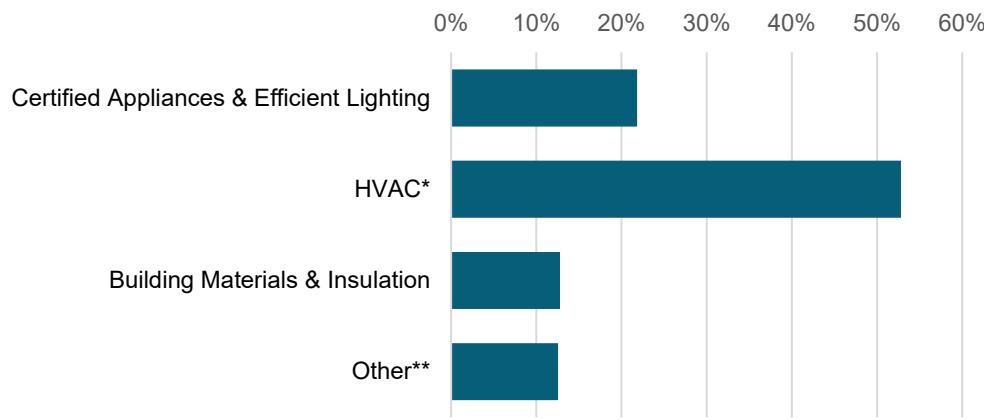


## What does EE look like in Tennessee?



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

## What energy efficiency sectors employ the most workers?



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

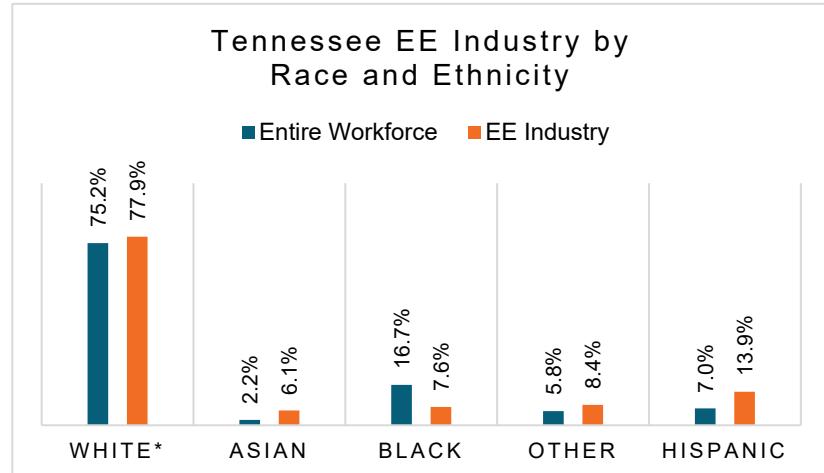
**8%**  
of Tennessee  
EE workers are  
veterans



## How representative is the EE workforce in Tennessee?

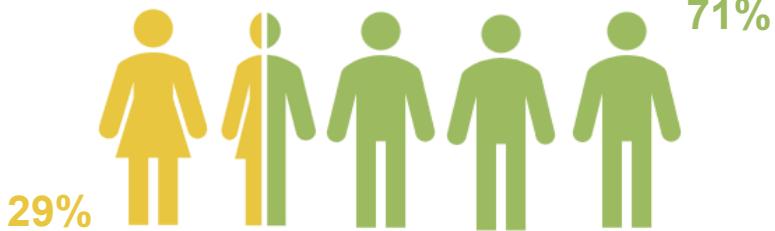
*Demographic data is critical to measure progress towards a more representative EE workforce. Tracking this data helps show how well Tennessee's EE workforce reflects the communities it serves and where gaps remain.*

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



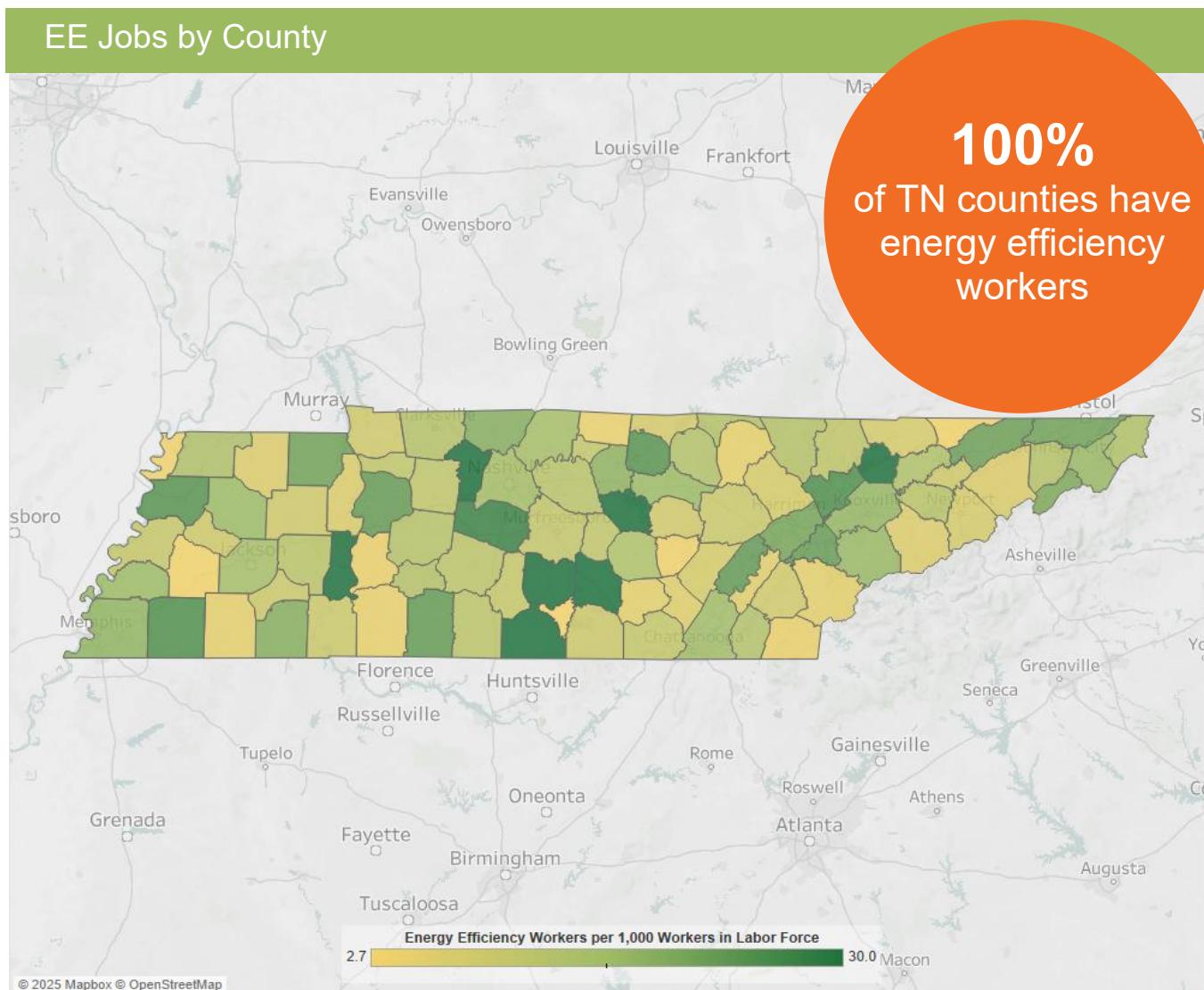
\*Includes non-Hispanic and Hispanic whites.

### Gender in the Tennessee 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



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/348937>.

Congressional				Metropolitan Areas			
District	Jobs	District	Jobs	Area	Jobs	Area	Jobs
1	4,147	7	6,016	Chattanooga	3,688	Knoxville	7,979
2	6,568	8	4,734	Clarksville	854	Memphis	9,042
3	6,145	9	7,239	Cleveland	552	Morristown	479
4	5,000			Jackson	1,019	Nashville-Davidson-Murfreesboro-Franklin	17,897
5	8,690			Johnson City	1,135	Rural	8,877
6	4,779			Kingsport-Bristol-Bristol	1,796		

### State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	986	10	1,641	19	2,711	28	1,250
2	1,096	11	2,157	20	2,694	29	1,574
3	1,121	12	787	21	2,536	30	2,041
4	1,835	13	1,136	22	873	31	1,928
5	2,294	14	1,360	23	1,240	32	1,578
6	2,326	15	1,071	24	916	33	1,975
7	1,727	16	2,023	25	1,669		
8	858	17	1,649	26	800		
9	673	18	1,025	27	3,766		

### State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	794	26	650	51	635	76	366
2	561	27	780	52	628	77	586
3	336	28	857	53	1,023	78	446
4	266	29	580	54	1,213	79	280
5	183	30	789	55	1,205	80	426
6	363	31	328	56	1,281	81	204
7	490	32	600	57	390	82	223
8	519	33	1,034	58	547	83	635
9	289	34	348	59	391	84	595
10	337	35	380	60	1,045	85	391
11	120	36	332	61	1,738	86	771
12	204	37	314	62	1,275	87	751
13	224	38	154	63	434	88	729
14	676	39	203	64	449	89	526
15	847	40	479	65	1,300	90	640
16	934	41	239	66	469	91	871
17	319	42	634	67	251	92	857
18	903	43	248	68	251	93	549
19	288	44	240	69	234	94	320
20	481	45	404	70	353	95	498
21	256	46	464	71	268	96	963
22	215	47	807	72	275	97	649
23	167	48	476	73	599	98	810
24	360	49	306	74	213	99	614
25	237	50	767	75	371		





The Building Performance Association (BPA) is a nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more energy-efficient, comfortable, healthy, and safe. Visit [www.building-performance.org](http://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](http://www.bwresearch.com).

**Data Source:** Unless otherwise stated, all data are from the August 2025 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](mailto:communications@building-performance.org).

