

Tennessee

Energy Efficiency Jobs in America

51,465

Total Jobs

What are EE jobs?

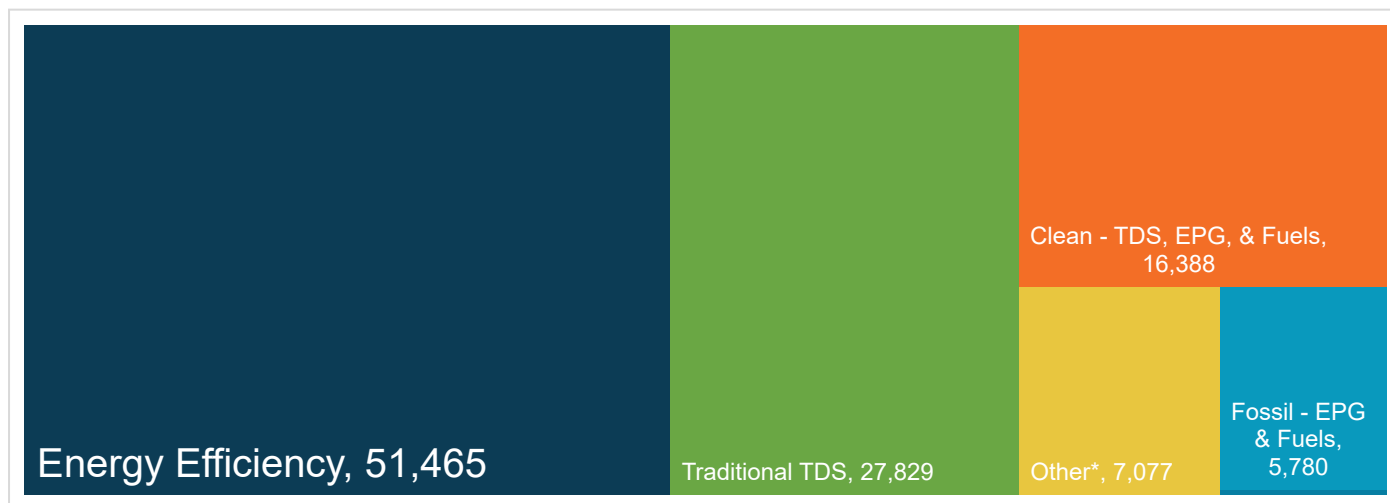
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Tennessee?

Energy efficiency is the largest energy sector in Tennessee.



TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 140

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

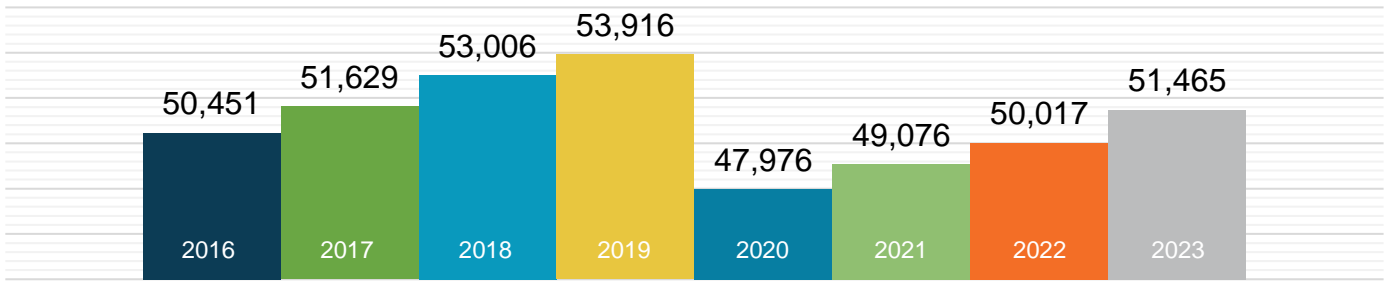
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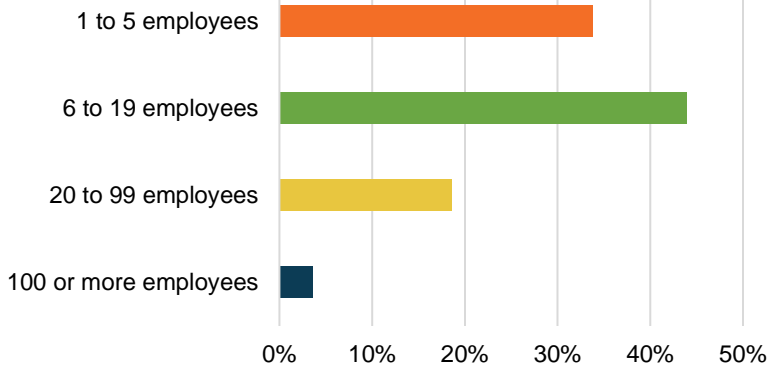
E4 THE FUTURE

What does EE look like in Tennessee?

EE Workers Employed in TN



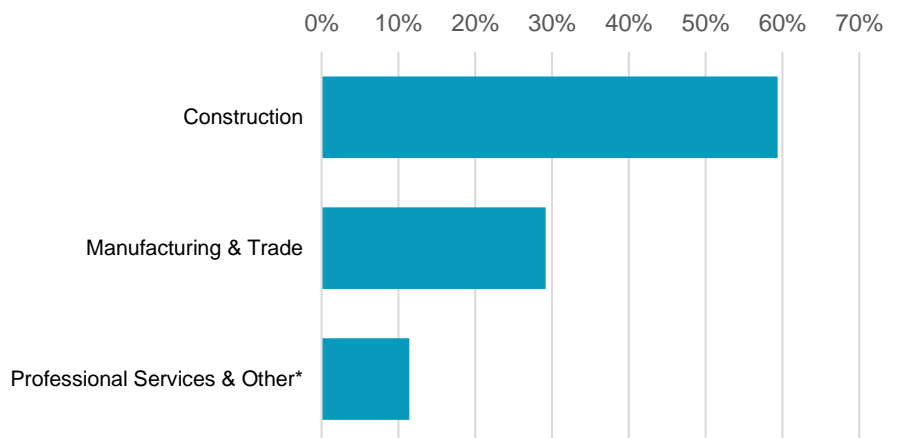
96.4% of TN EE Businesses Have Fewer Than 100 Employees



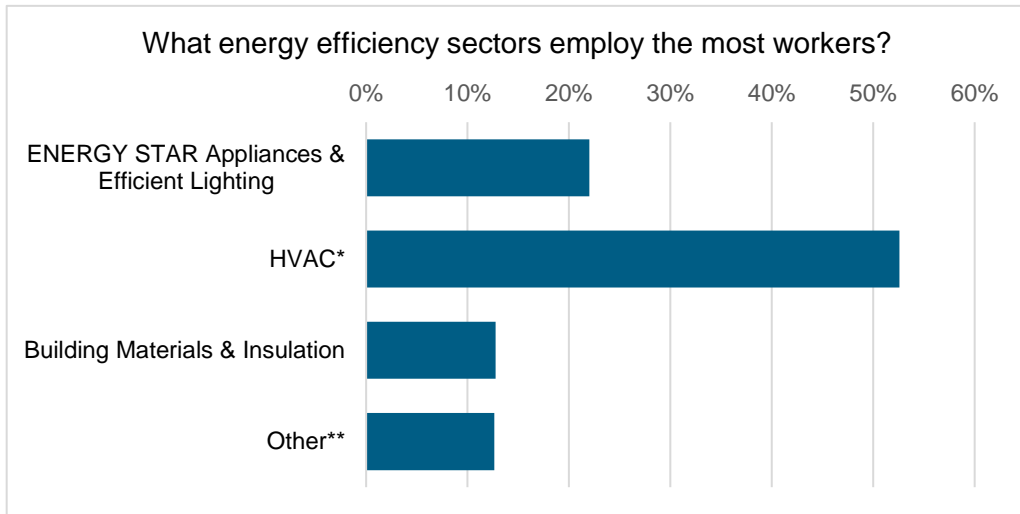
EE construction workers comprise **19%** of Tennessee's construction workforce



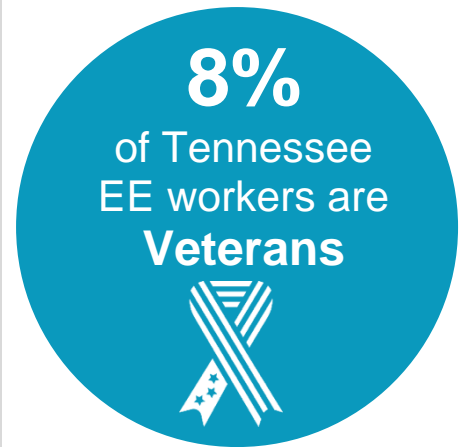
What type of work do energy efficiency firms do?



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



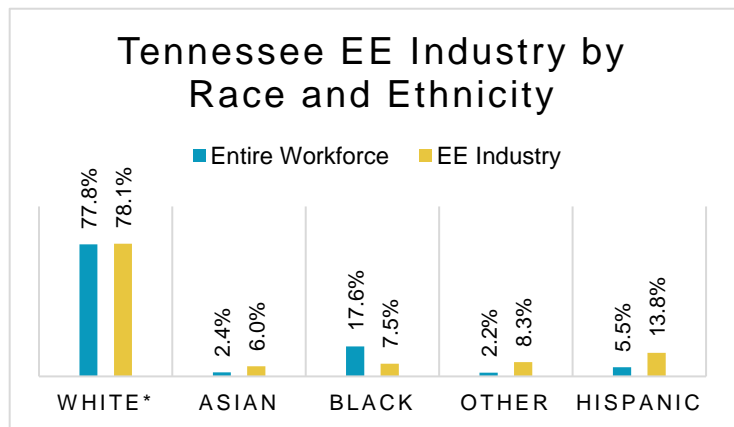
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
 **Other such as energy audits, building certifications, and software services



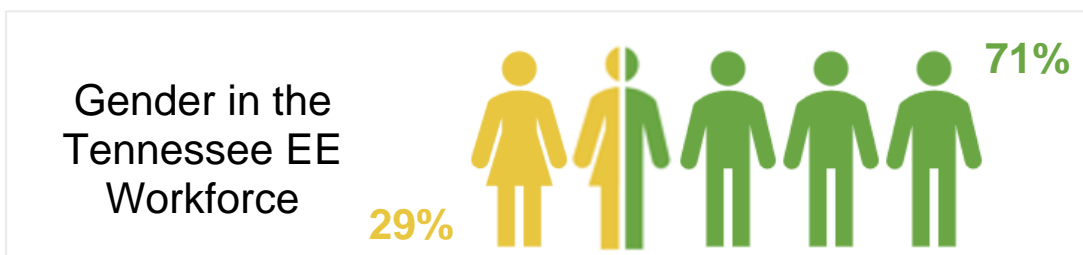
How is EE doing on diversity in Tennessee?

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 Tennessee 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 Tennessee businesses.



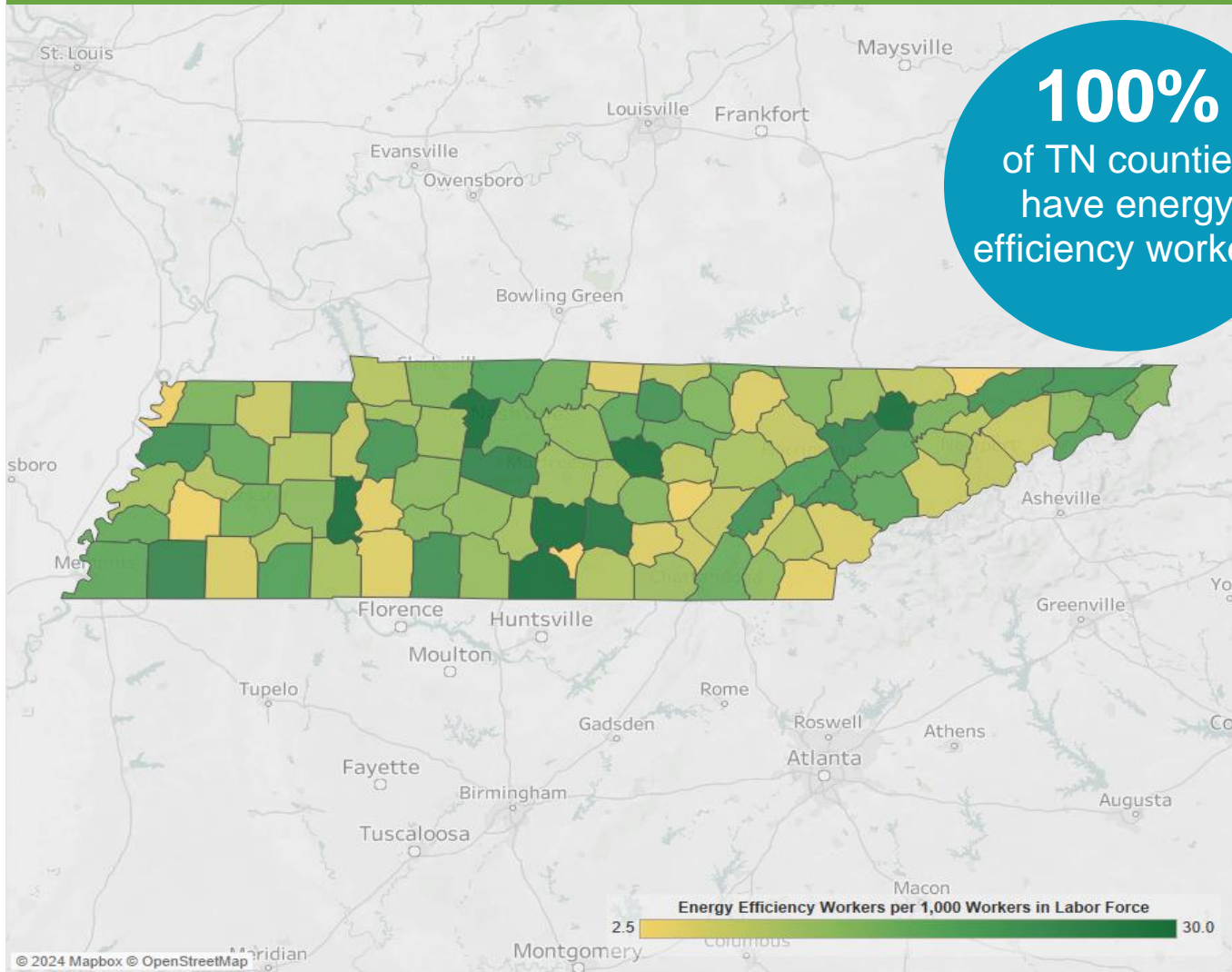
*Includes non-Hispanic and Hispanic whites.



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



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				Metropolitan Areas			
District	Jobs	District	Jobs	Area	Jobs	Area	Jobs
1	5,240	7	3,510	Chattanooga	3,565	Knoxville	7,712
2	6,979	8	7,392	Clarksville	825	Memphis	8,704
3	6,083	9	3,432	Cleveland	534	Morristown	438
4	5,045			Jackson	986	Nashville-Davidson-Murfreesboro-Franklin	17,296
5	9,410			Johnson City	1,097	Rural	8,571
6	4,374			Kingsport-Bristol-Bristol	1,736		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	2,040	10	2,806	19	5,431	28	599
2	1,441	11	507	20	2,691	29	3,206
3	1,628	12	949	21	<10	30	2,186
4	1,258	13	2,118	22	1,083	31	1,378
5	2,853	14	1,590	23	1,595	32	233
6	2,397	15	1,568	24	1,927	33	336
7	460	16	837	25	849		
8	369	17	1,078	26	1,804		
9	1,623	18	1,933	27	686		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,146	26	2,129	51	3,461	76	475
2	381	27	255	52	1,075	77	310
3	733	28	779	53	1,272	78	106
4	479	29	<10	54	<10	79	277
5	525	30	115	55	565	80	145
6	152	31	391	56	73	81	338
7	<10	32	598	57	<10	82	171
8	1,298	33	196	58	77	83	2,993
9	124	34	1,597	59	<10	84	1,159
10	606	35	166	60	<10	85	141
11	427	36	225	61	1,349	86	1,253
12	499	37	480	62	151	87	242
13	2,005	38	403	63	194	88	996
14	1,580	39	941	64	557	89	<10
15	607	40	2,337	65	31	90	<10
16	236	41	699	66	338	91	27
17	67	42	<10	67	838	92	<10
18	151	43	140	68	36	93	<10
19	108	44	24	69	444	94	277
20	56	45	401	70	464	95	336
21	345	46	49	71	269	96	131
22	1,660	47	184	72	340	97	290
23	291	48	<10	73	1,106	98	<10
24	<10	49	44	74	92	99	<10
25	1,030	50	1,907	75	423		





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

