

Tennessee

Energy Efficiency Jobs in America

51,465
Total Jobs

What are EE jobs?

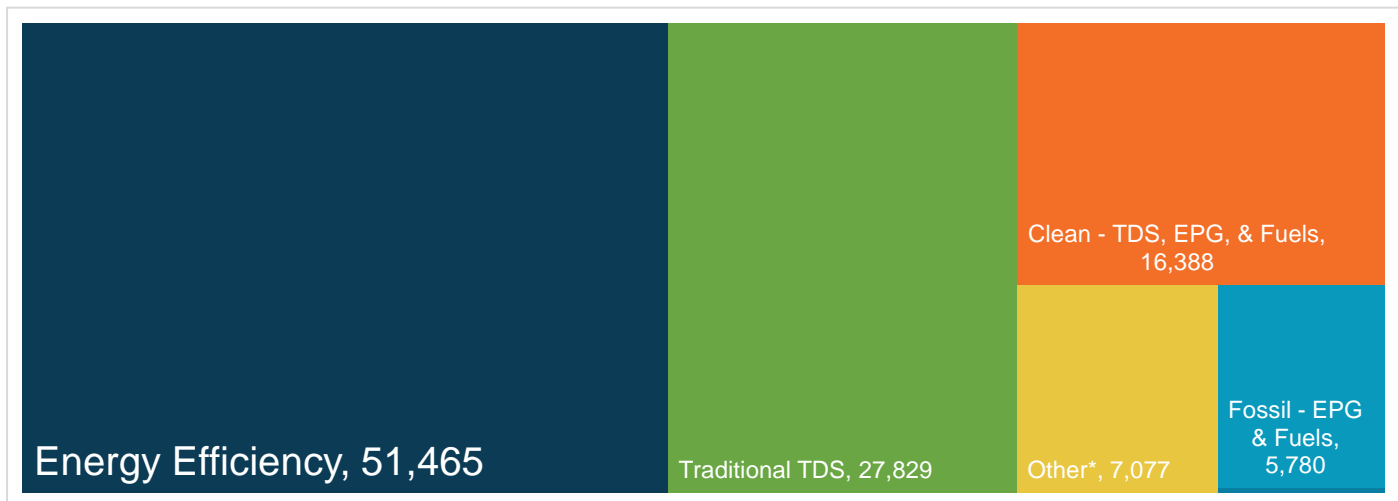
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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.

Presented by:

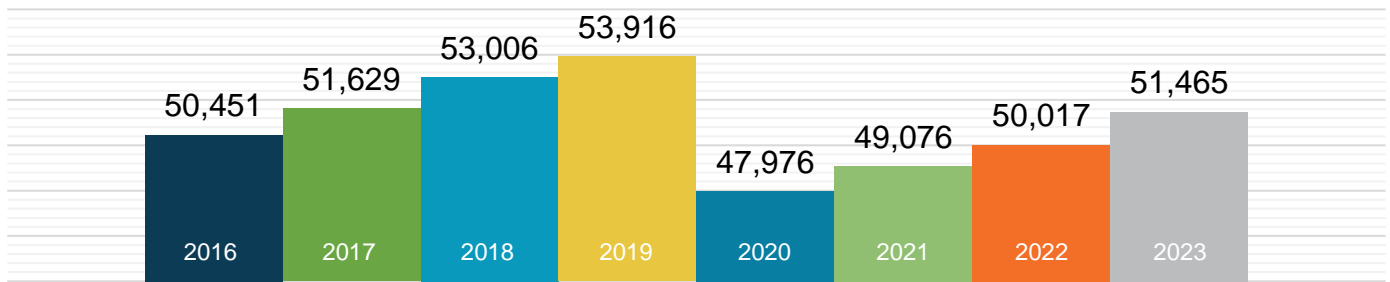


E4 THE
FUTURE

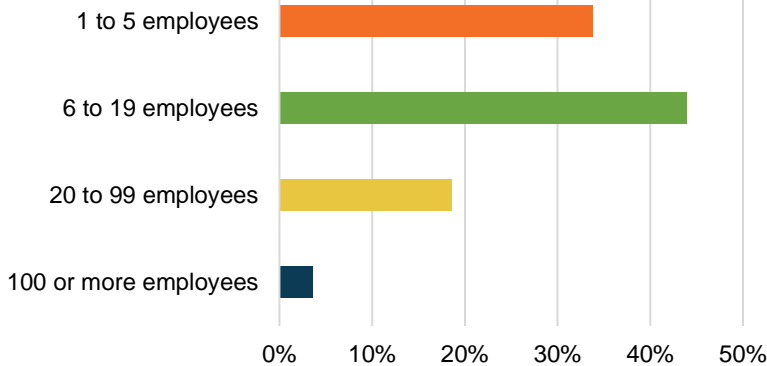
Updated April 2025

What does EE look like in Tennessee?

EE Workers Employed in TN



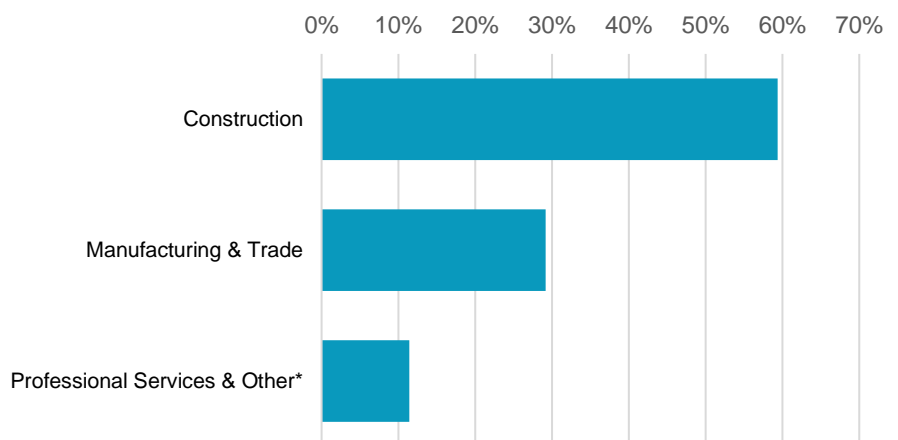
96.4% of TN EE Businesses Have Fewer Than 100 Employees



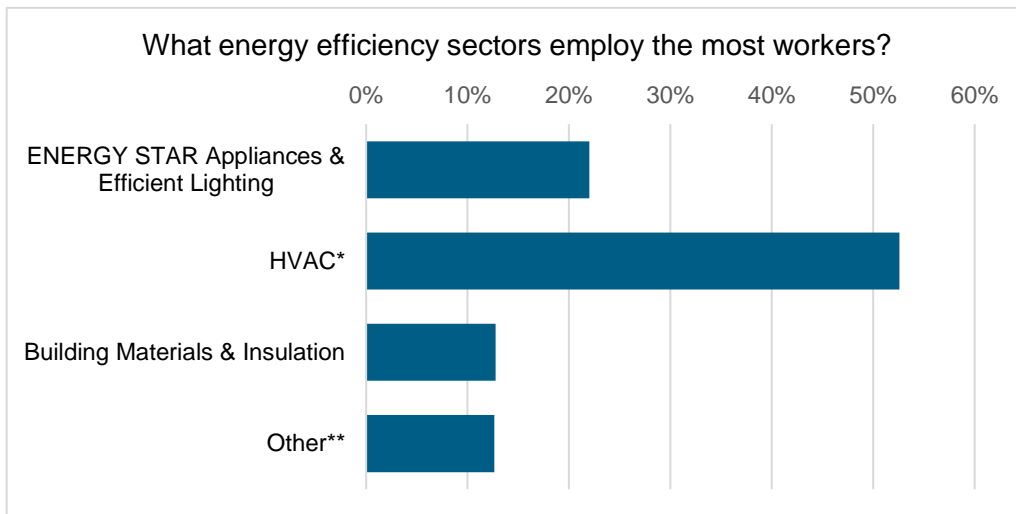
EE construction workers comprise **19%** of Tennessee's construction workforce



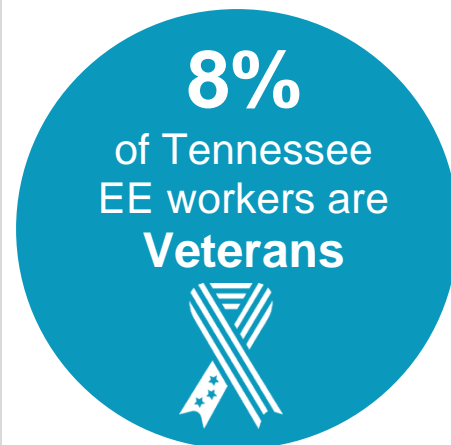
What type of work do energy efficiency firms do?



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



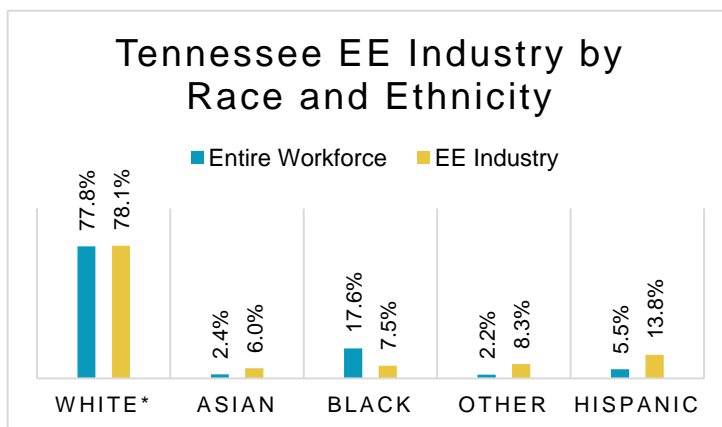
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
 **Other such as energy audits, building certifications, and software services



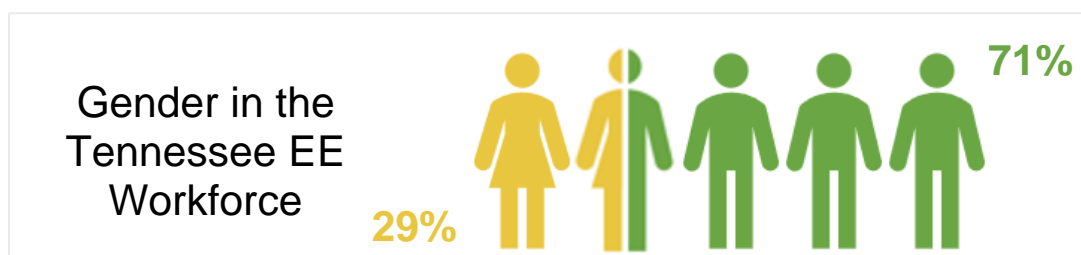
How is EE doing on diversity in Tennessee?

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.



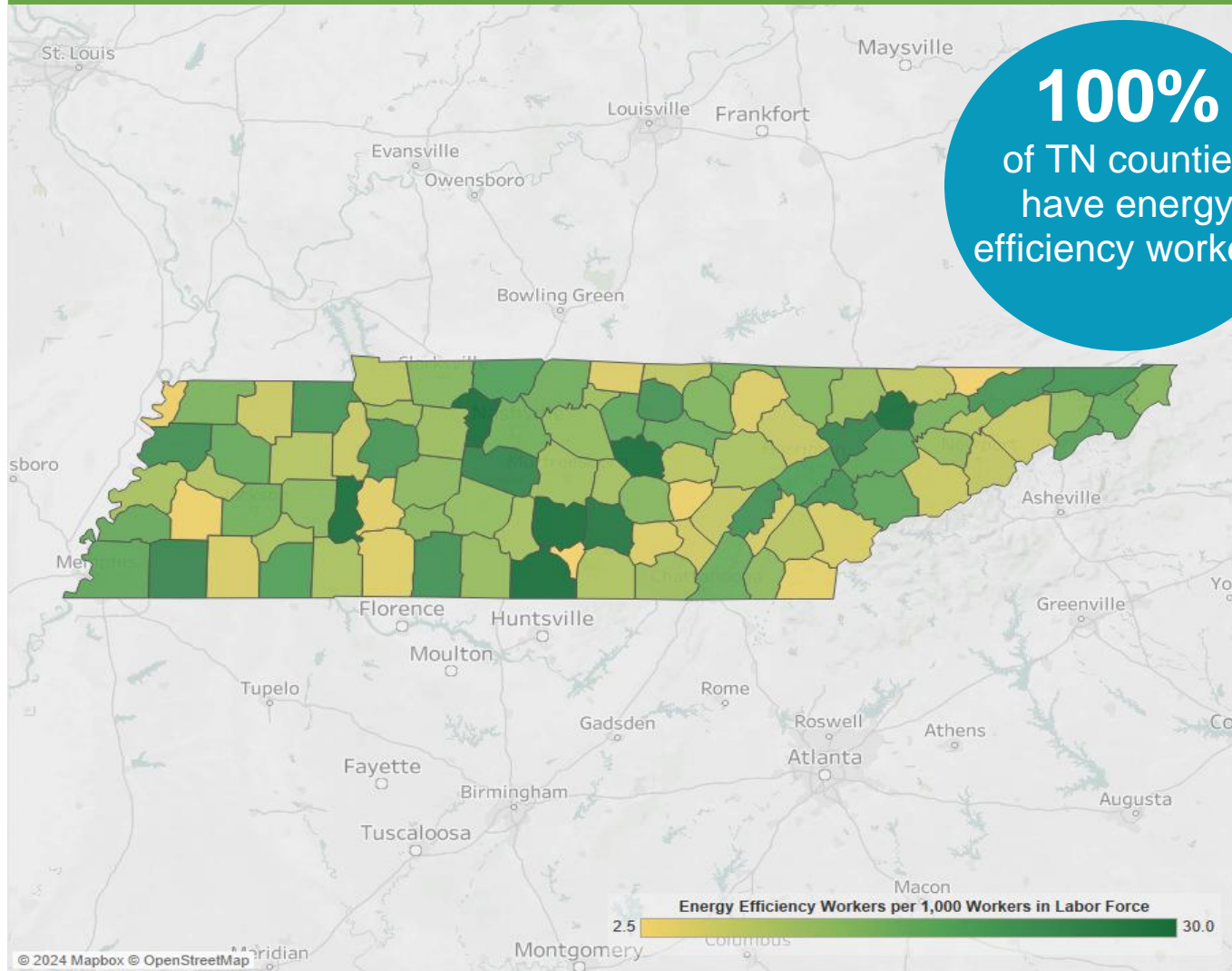
*Includes non-Hispanic and Hispanic whites.



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
1	5,159		7	5,359		Chattanooga	3,565
2	6,714		8	5,983		Clarksville	825
3	6,341		9	5,750		Cleveland	534
4	5,901					Jackson	986
5	5,245					Johnson City	1,097
6	5,013					Kingsport-Bristol-Bristol	1,736
						Knoxville	7,712
						Memphis	8,704
						Morristown	438
						Nashville-Davidson-Murfreesboro-Franklin	17,296
						Rural	8,571

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

