

Tennessee

Energy Efficiency Jobs in America

50,017

Total Jobs

What are EE Jobs?

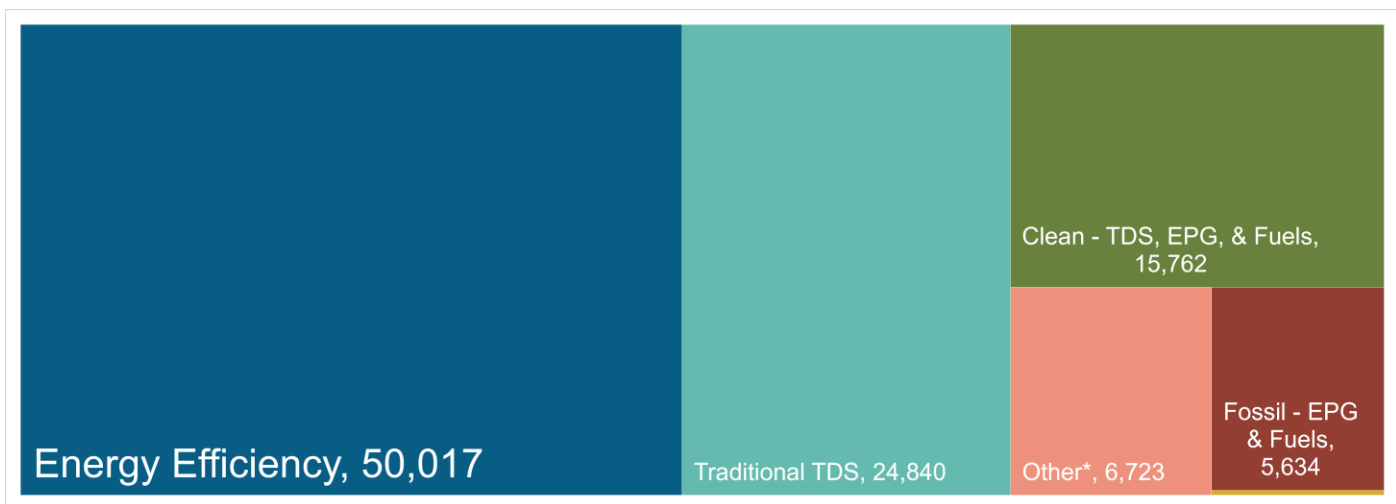
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 & industrial buildings.
- **Design and construct** high performance buildings such as those earning LEED certification.
- **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.



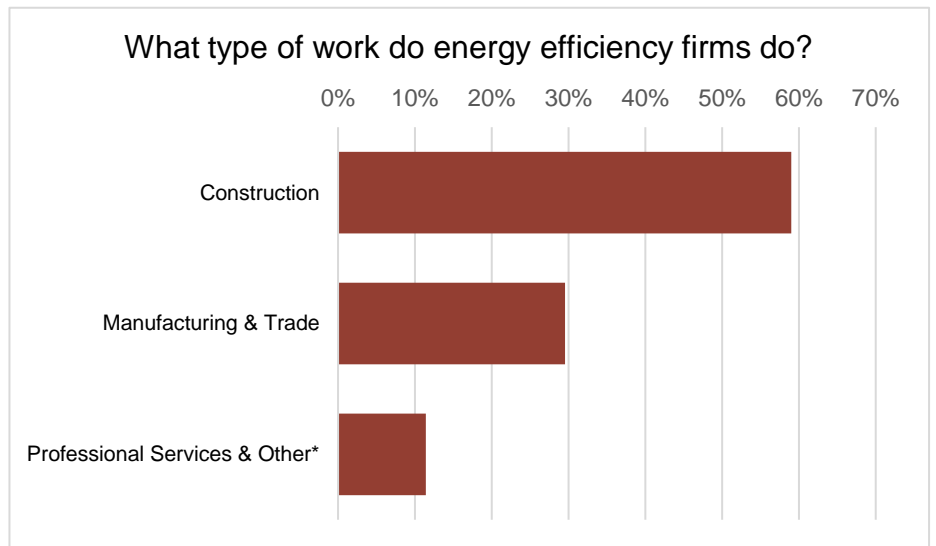
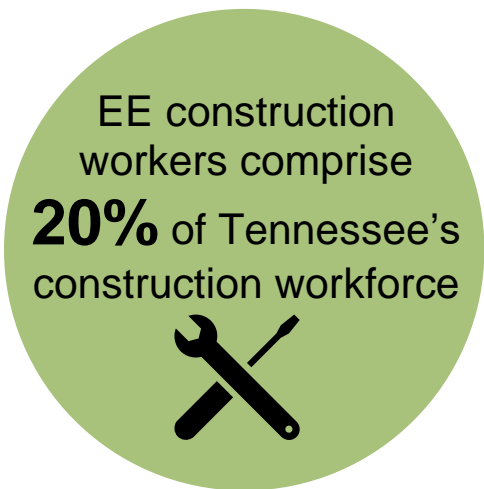
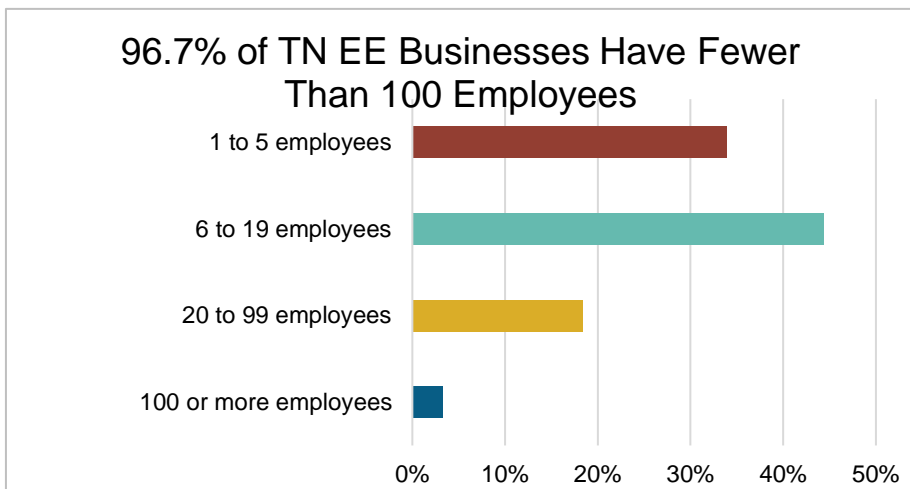
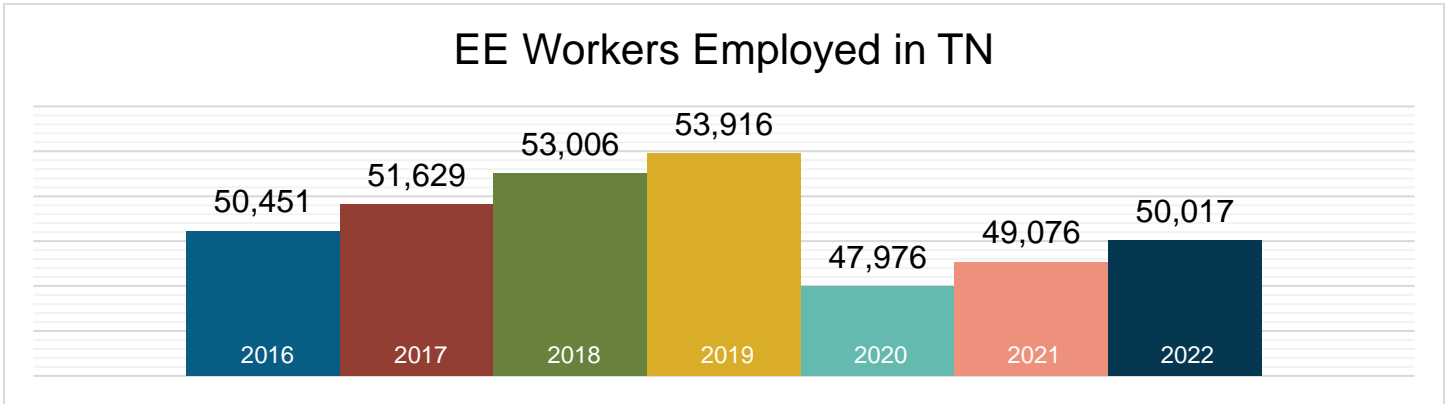
TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 131

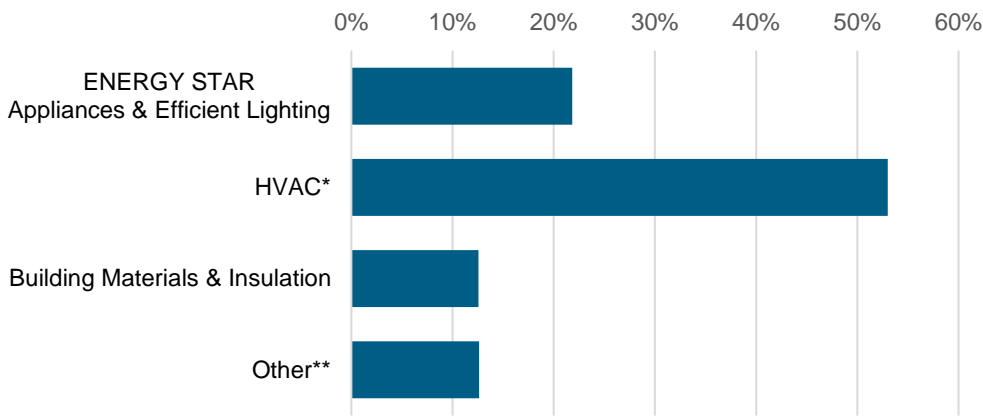
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Tennessee?



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

What energy efficiency sectors employ the most workers?



8%
of Tennessee
EE workers are
Veterans

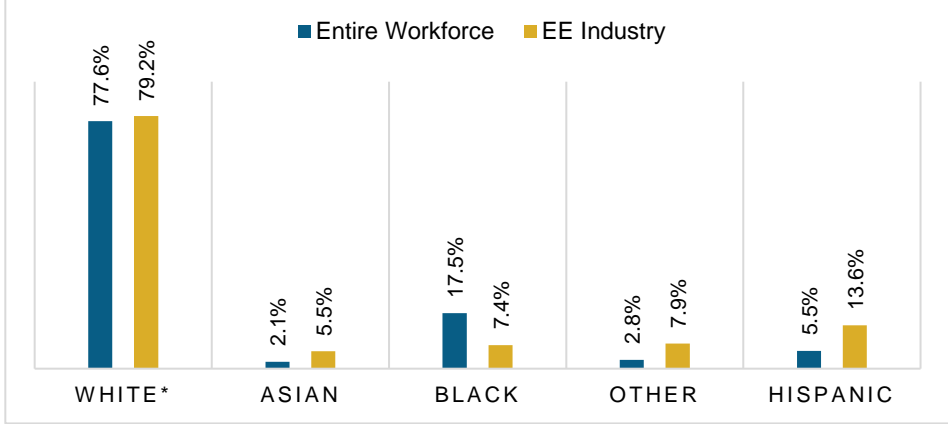
*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

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 EE businesses.

Tennessee EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

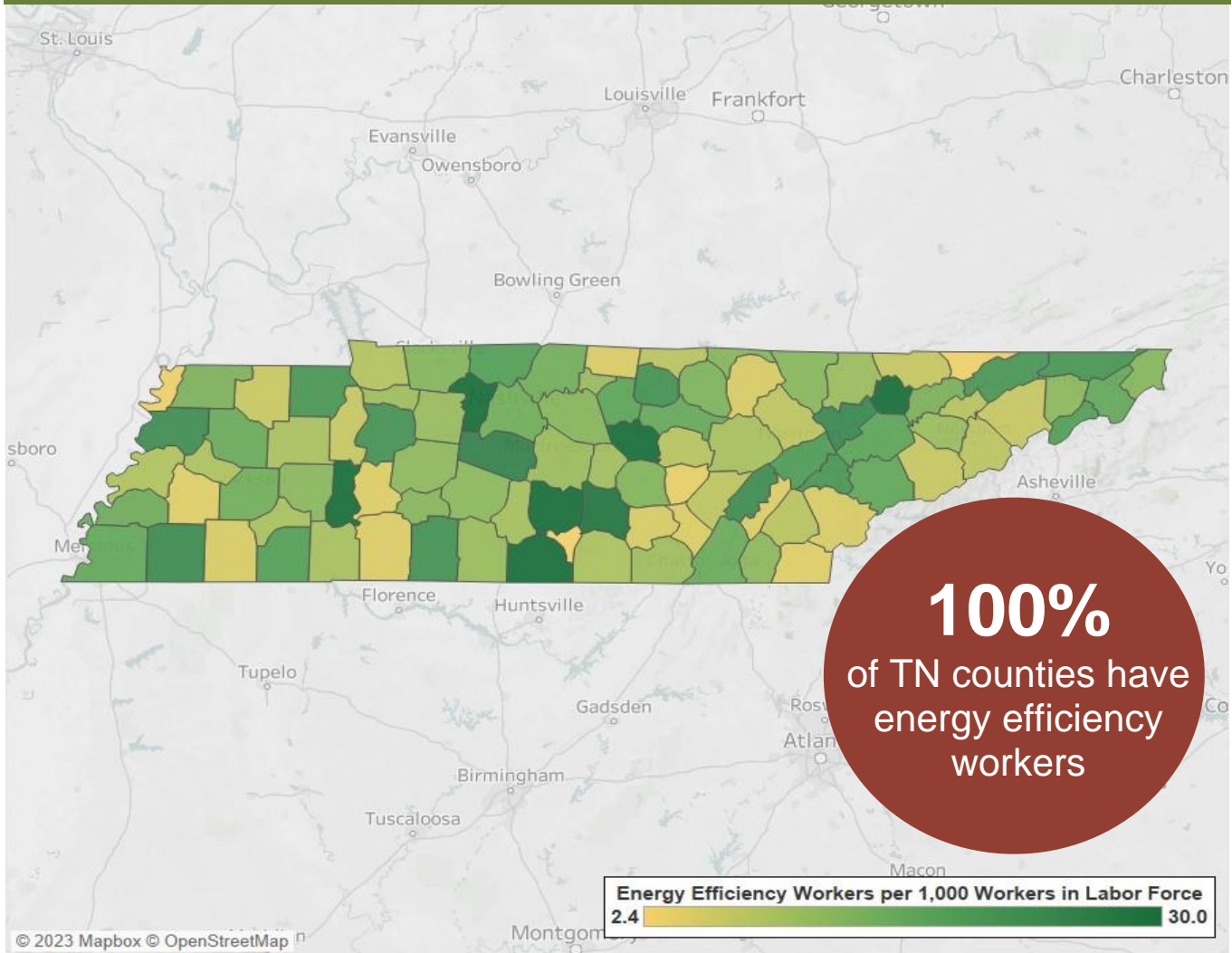
Gender in the Tennessee EE Workforce



Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. 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 the 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/policy/2023-useer-county-level-data-faq>.

Congressional				Metropolitan Areas			
District	Jobs	District	Jobs	Area	Jobs	Area	Jobs
1	5,094	7	3,403	Chattanooga	3,445	Knoxville	7,476
2	6,785	8	7,181	Clarksville	804	Memphis	8,475
3	5,914	9	3,337	Cleveland	520	Morristown	424
4	4,905			Jackson	961	Nashville-Davidson-Murfreesboro-Franklin	16,808
5	9,149			Johnson City	1,069	Rural	8,344
6	4,248			Kingsport-Bristol-Bristol	1,691		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,992	10	2,743	19	5,311	28	585
2	1,408	11	496	20	2,632	29	3,135
3	1,577	12	927	21	<10	30	2,138
4	1,231	13	2,071	22	1,058	31	1,348
5	2,789	14	1,553	23	1,325	32	228
6	2,344	15	1,524	24	1,878	33	329
7	450	16	814	25	830		
8	361	17	1,048	26	1,764		
9	1,587	18	1,871	27	671		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,122	26	2,083	51	3,389	76	465
2	373	27	250	52	1,053	77	303
3	718	28	763	53	1,245	78	104
4	453	29	<10	54	<10	79	262
5	514	30	113	55	554	80	142
6	148	31	382	56	71	81	331
7	<10	32	584	57	<10	82	168
8	1,270	33	192	58	76	83	2,930
9	121	34	1,563	59	<10	84	1,135
10	590	35	162	60	<10	85	138
11	413	36	220	61	1,085	86	1,227
12	489	37	470	62	146	87	237
13	1,963	38	395	63	190	88	975
14	1,547	39	921	64	545	89	<10
15	594	40	2,282	65	31	90	<10
16	228	41	675	66	331	91	26
17	65	42	<10	67	819	92	<10
18	148	43	137	68	36	93	<10
19	106	44	24	69	435	94	271
20	55	45	373	70	454	95	329
21	338	46	48	71	264	96	128
22	1,626	47	175	72	333	97	284
23	285	48	<10	73	1,076	98	<10
24	<10	49	43	74	80	99	<10
25	1,008	50	1,868	75	414		



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.



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit www.e2.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: Except for county data on page 4, all data are from the U.S. Energy and Employment Report, June 2023, 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 E4TheFuture analyses please email: policy@e4thefuture.org