

Tennessee

Energy Efficiency Jobs in America

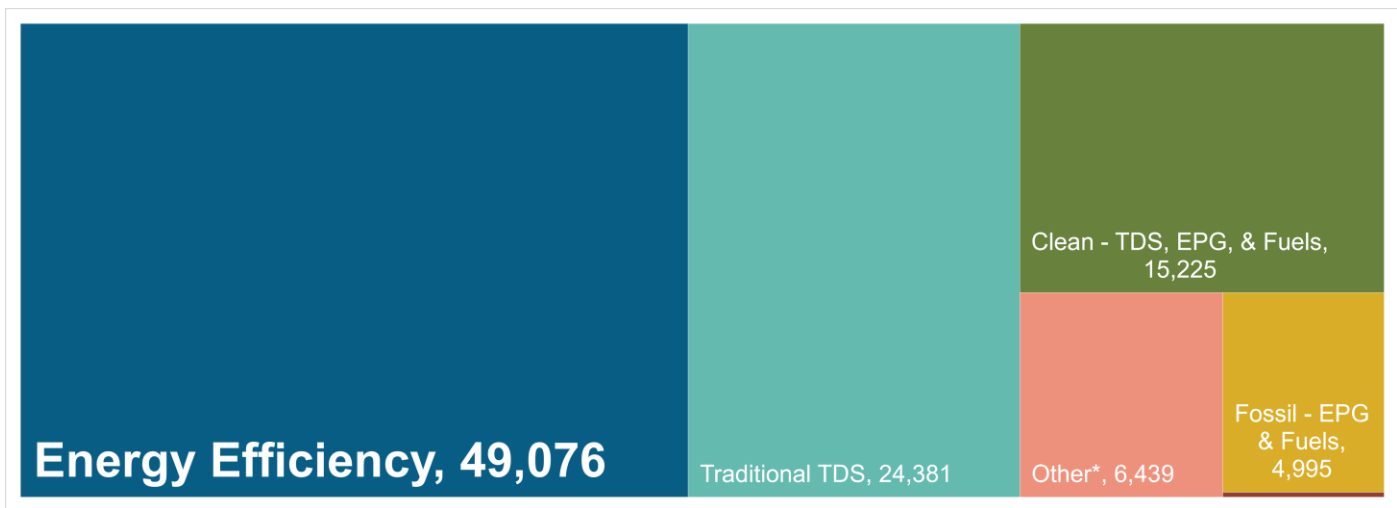
49,076
Total Jobs

Energy efficiency (EE) workers are crucial to America’s workforce. EE jobs are everywhere – in rural, urban, and suburban communities.

Investing in EE is a highly cost-effective way to improve the reliability of the electric grid, reduce harmful emissions, and make other renewable energy resources, such as solar and wind, more valuable. Efficiency measures also lower household energy bills while creating high-quality, local jobs that cannot be outsourced.

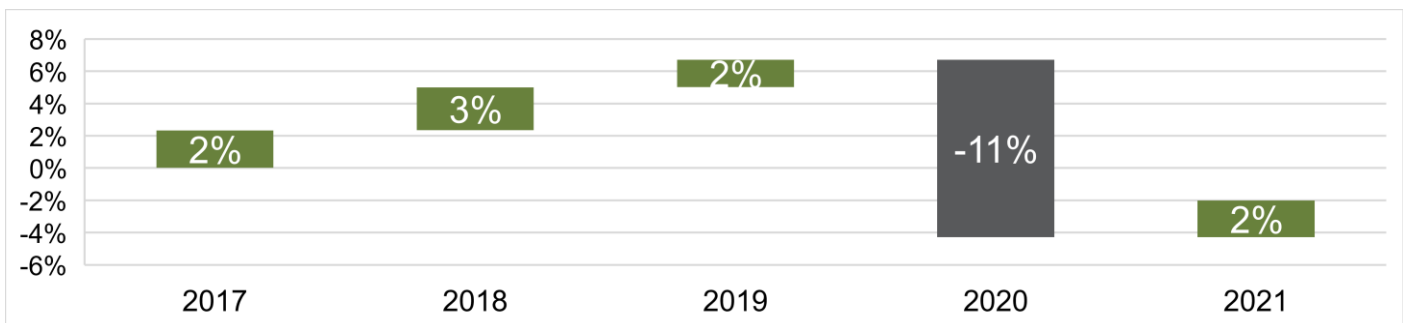
How do Tennessee’s energy sectors compare?

Energy Efficiency is the **largest** energy sector in Tennessee



TDS = Transmission, Distribution & Storage
 EPG = Electric Power Generation
 Nuclear (EPG & Fuels), 121
 *Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

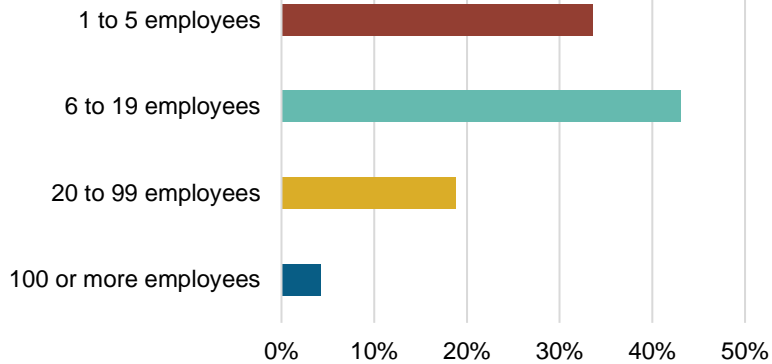
How is the EE industry growing in Tennessee?



Prior to 2020, the EE sector was growing steadily each year, but suffered heavy job losses in the COVID-19 pandemic. The EE industry has made a strong recovery, but job gains have been slower than in the U.S. workforce overall. As we invest in EE, a focus on workforce development is vital to ensure a strong efficiency industry for years to come.

What does EE look like in Tennessee?

95.6% of TN EE Businesses Have Fewer Than 100 Employees



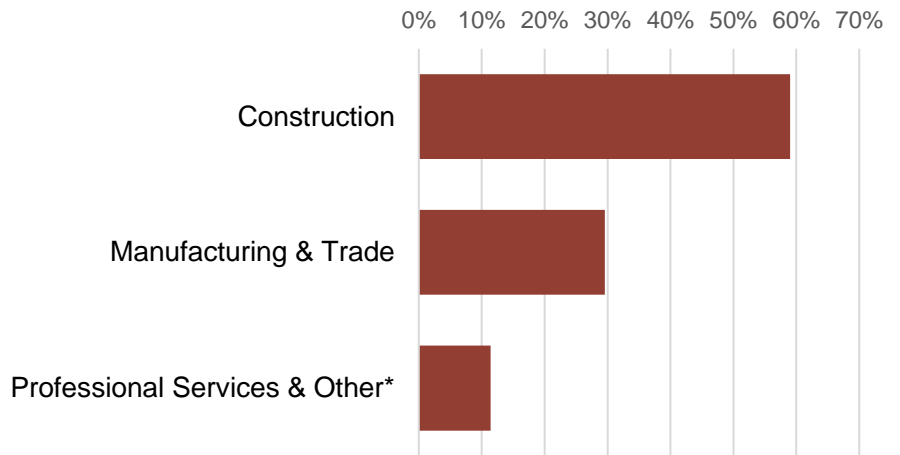
5,808
EE businesses in Tennessee



EE construction workers comprise **21%** of Tennessee's construction workforce

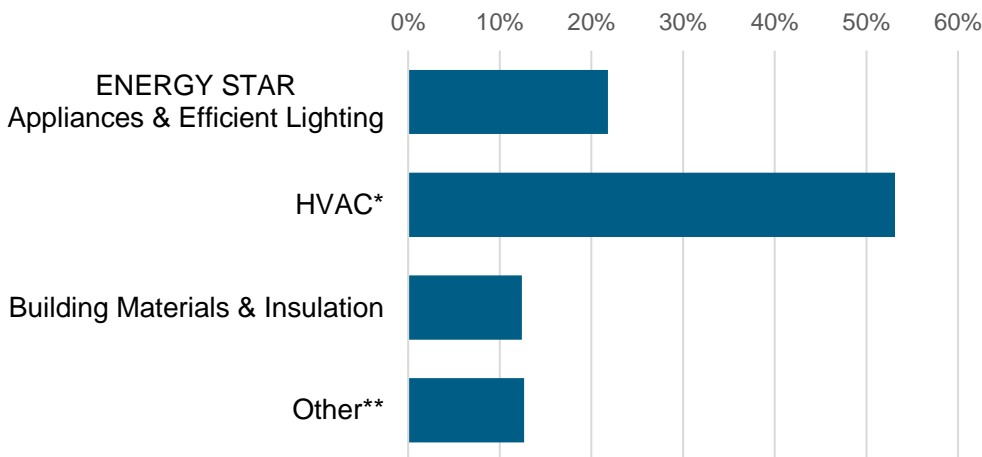


What type of work do energy efficiency firms do?



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

What energy efficiency sectors employ the most workers?



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

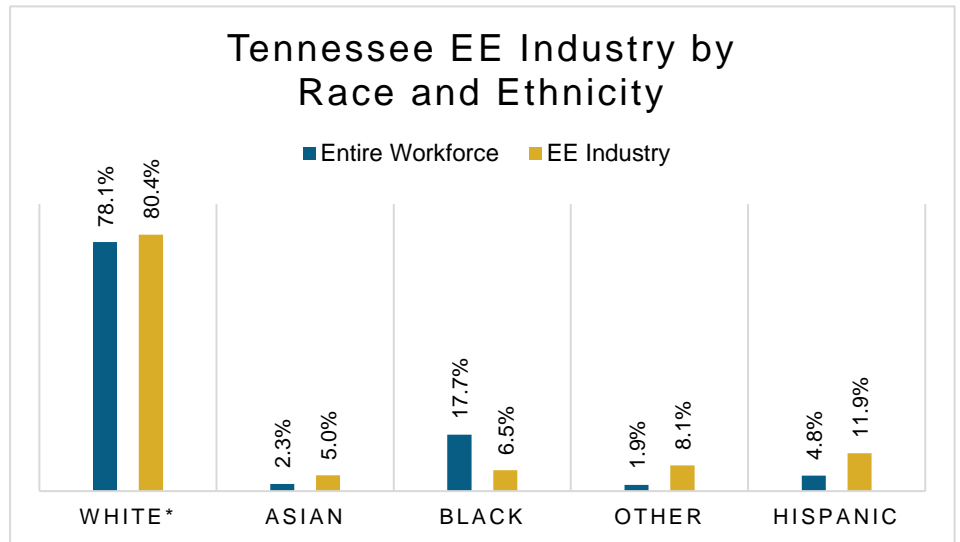
7%
of Tennessee EE workers are **Veterans**



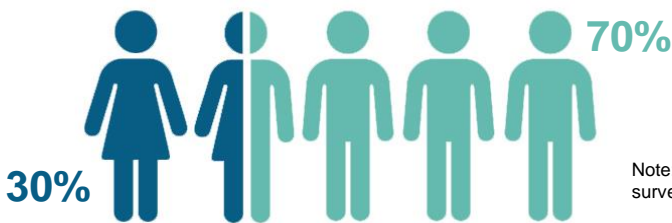
How is EE doing on diversity in Tennessee?

Demographic data is critical to measure progress in the EE industry. In striving for more diversity in EE jobs, we can create a stronger industry 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.



*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.

Tennessee's EE Potential


Decades of work ready for Tennessee's growing energy efficiency workforce.

Weatherization Assistance Program:



206* units weatherized in 2018, out of **~380,000** total low-income households

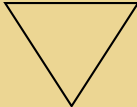
1,888,390 Tennessee homes are due for energy tune-ups



(Non low-income families whose residences are 20+ years old)

Potential to **reduce** residential electricity consumption by

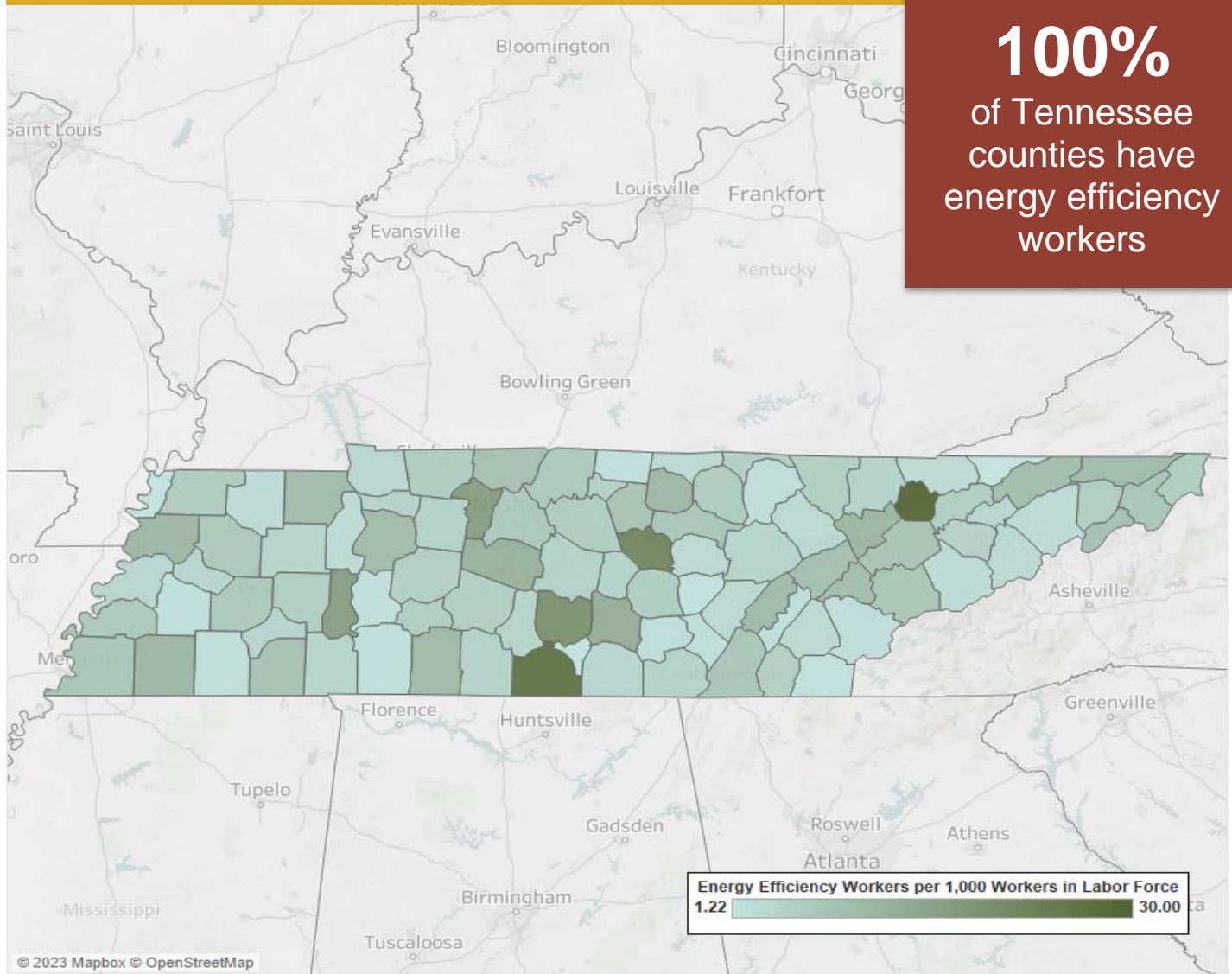
37%



*National Association for State community Services Programs (NASCS) [Weatherization Assistance Program Annual Funding Survey](#)
 Source: E4TheFuture/BW Research retrofit analysis, July 2021, [U.S. Census Bureau QuickFacts](#), and [State and Local Planning for Energy \(SLOPE\) Platform](#)

Energy Efficiency Jobs are Everywhere

EE Jobs by County



Metropolitan Areas			
Area	Jobs	Area	Jobs
Chattanooga	3,429	Knoxville	6,565
Clarksville	871	Memphis	7,981
Cleveland	1,516	Morristown	868
Jackson	1,033	Nashville-Davidson-Murfreesboro-Franklin	14,785
Johnson City	1,308	Rural	9,236
Kingsport-Bristol-Bristol	1,483		

Jobs by County

County	Jobs	County	Jobs	County	Jobs	County	Jobs
Anderson County	1,065	Fentress County	27	Lauderdale County	55	Roane County	374
Bedford County	711	Franklin County	103	Lawrence County	252	Robertson County	425
Benton County	28	Gibson County	223	Lewis County	40	Rutherford County	1,492
Bledsoe County	17	Giles County	110	Lincoln County	546	Scott County	72
Blount County	865	Grainger County	55	Loudon County	351	Sequatchie County	16
Bradley County	501	Greene County	166	McMinn County	138	Sevier County	327
Campbell County	96	Grundy County	11	McNairy County	100	Shelby County	7,957
Cannon County	24	Hamblen County	269	Macon County	24	Smith County	87
Carroll County	63	Hamilton County	3,255	Madison County	874	Stewart County	24
Carter County	189	Hancock County	<10	Marion County	82	Sullivan County	1,416
Cheatham County	331	Hardeman County	33	Marshall County	94	Sumner County	888
Chester County	35	Hardin County	75	Maury County	473	Tipton County	186
Claiborne County	63	Hawkins County	248	Meigs County	11	Trousdale County	21
Clay County	11	Haywood County	22	Monroe County	77	Unicoi County	90
Cocke County	57	Henderson County	98	Montgomery County	790	Union County	179
Coffee County	729	Henry County	239	Moore County	<10	Van Buren County	<10
Crockett County	33	Hickman County	49	Morgan County	25	Warren County	166
Cumberland County	173	Houston County	14	Obion County	162	Washington County	773
Davidson County	7,890	Humphreys County	123	Overton County	72	Wayne County	18
Decatur County	117	Jackson County	34	Perry County	<10	Weakley County	70
DeKalb County	289	Jefferson County	145	Pickett County	12	White County	58
Dickson County	198	Johnson County	56	Polk County	11	Williamson County	3,833
Dyer County	375	Knox County	4,293	Putnam County	616	Wilson County	778
Fayette County	189	Lake County	<10	Rhea County	258	N/A	1,042



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: Unless otherwise stated, all data are from the U.S. Energy and Employment Report, June 2022, by the U.S. Department of Energy (see Appendix C 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.