Ohio
Energy Efficiency Jobs in America

76,475
Total Jobs

What are EE Jobs?

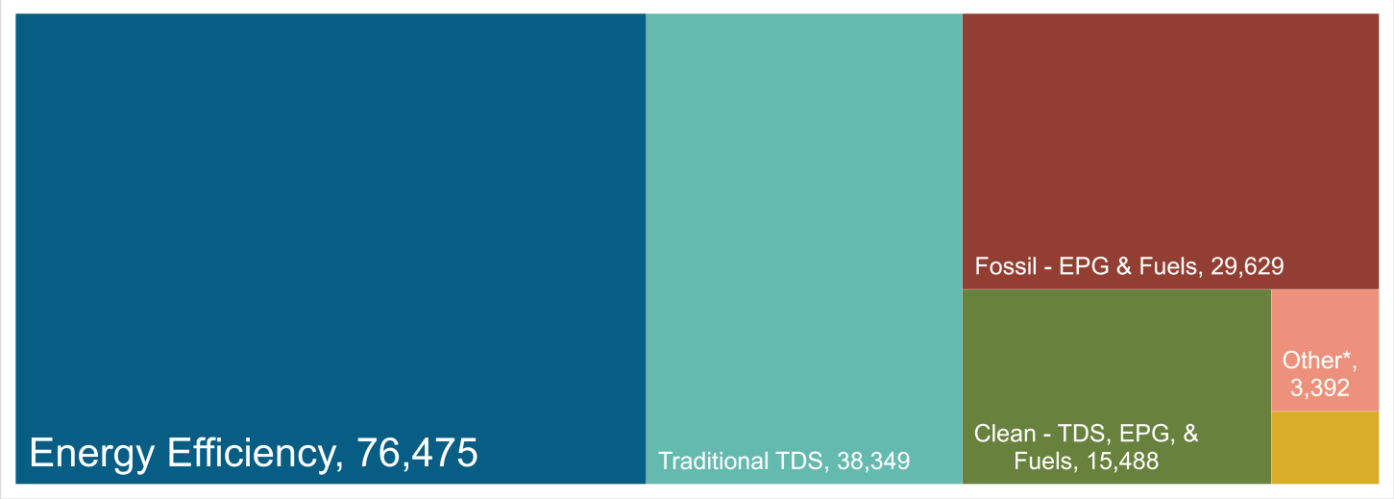
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Ohio?

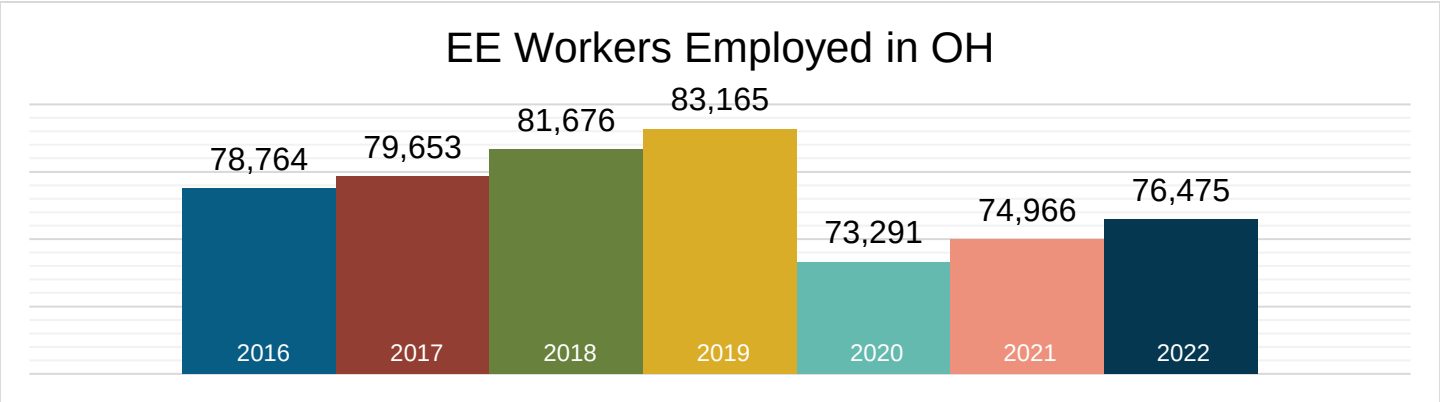
Energy Efficiency is the largest energy sector in Ohio.

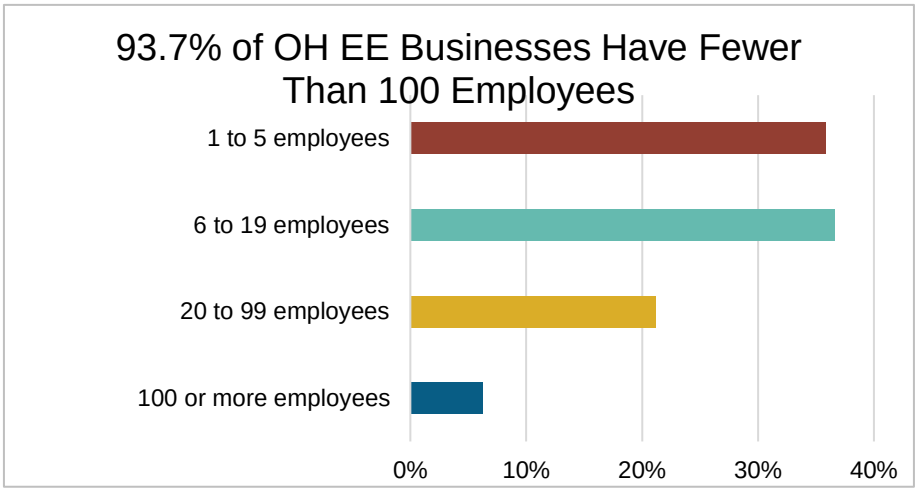


TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation
Nuclear (EPG & Fuels) = 2,030
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by: E2 E4 THE FUTURE

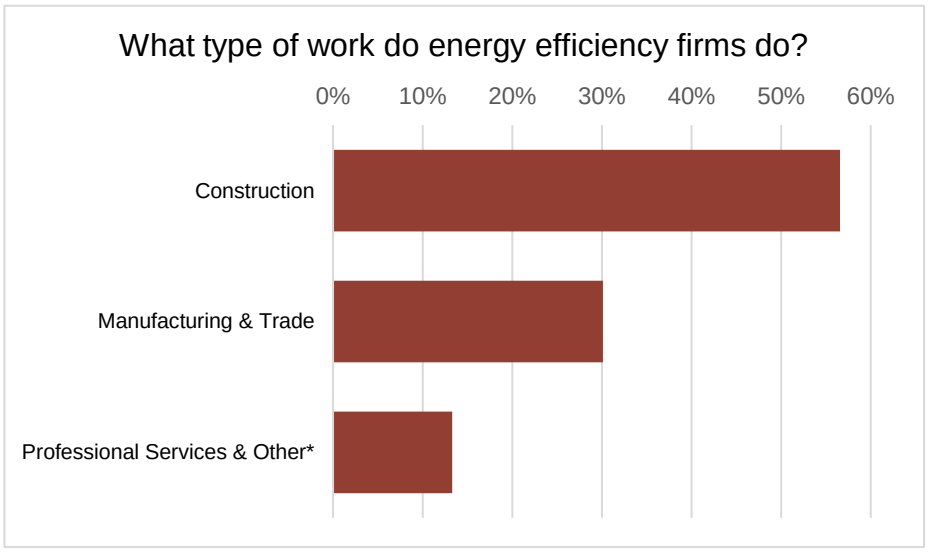
What does EE look like in Ohio?



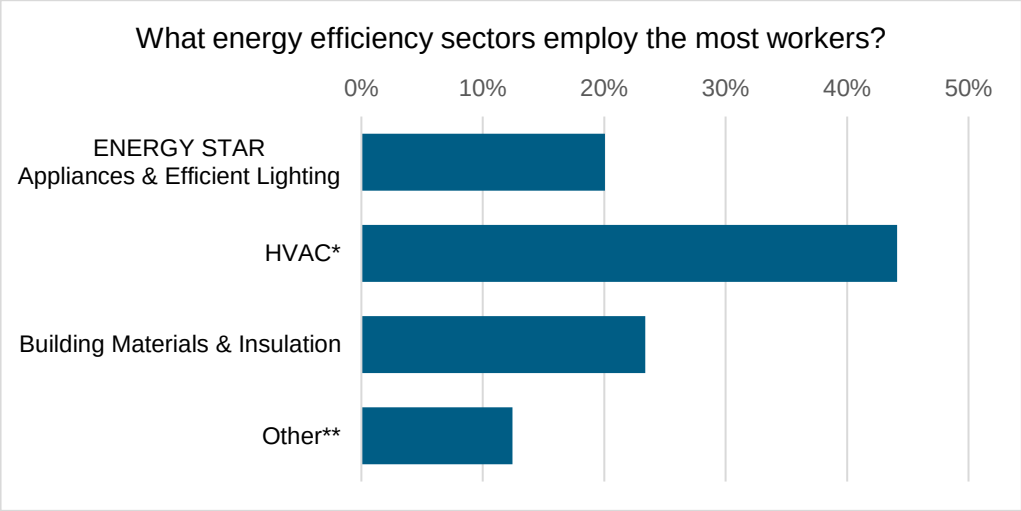


10,626
EE businesses in Ohio

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



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



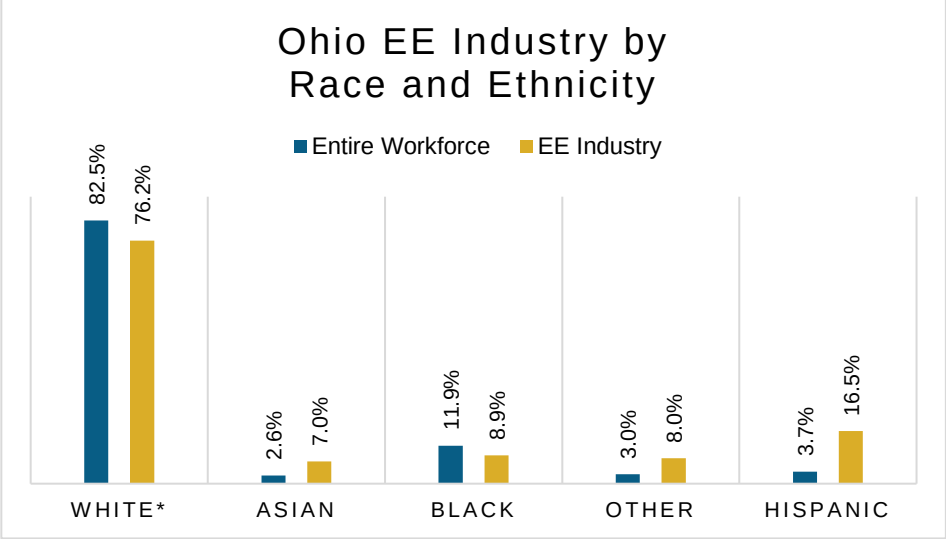
*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

8%
of Ohio
EE workers are
Veterans

How is EE doing on diversity in Ohio?

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 Ohio 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.



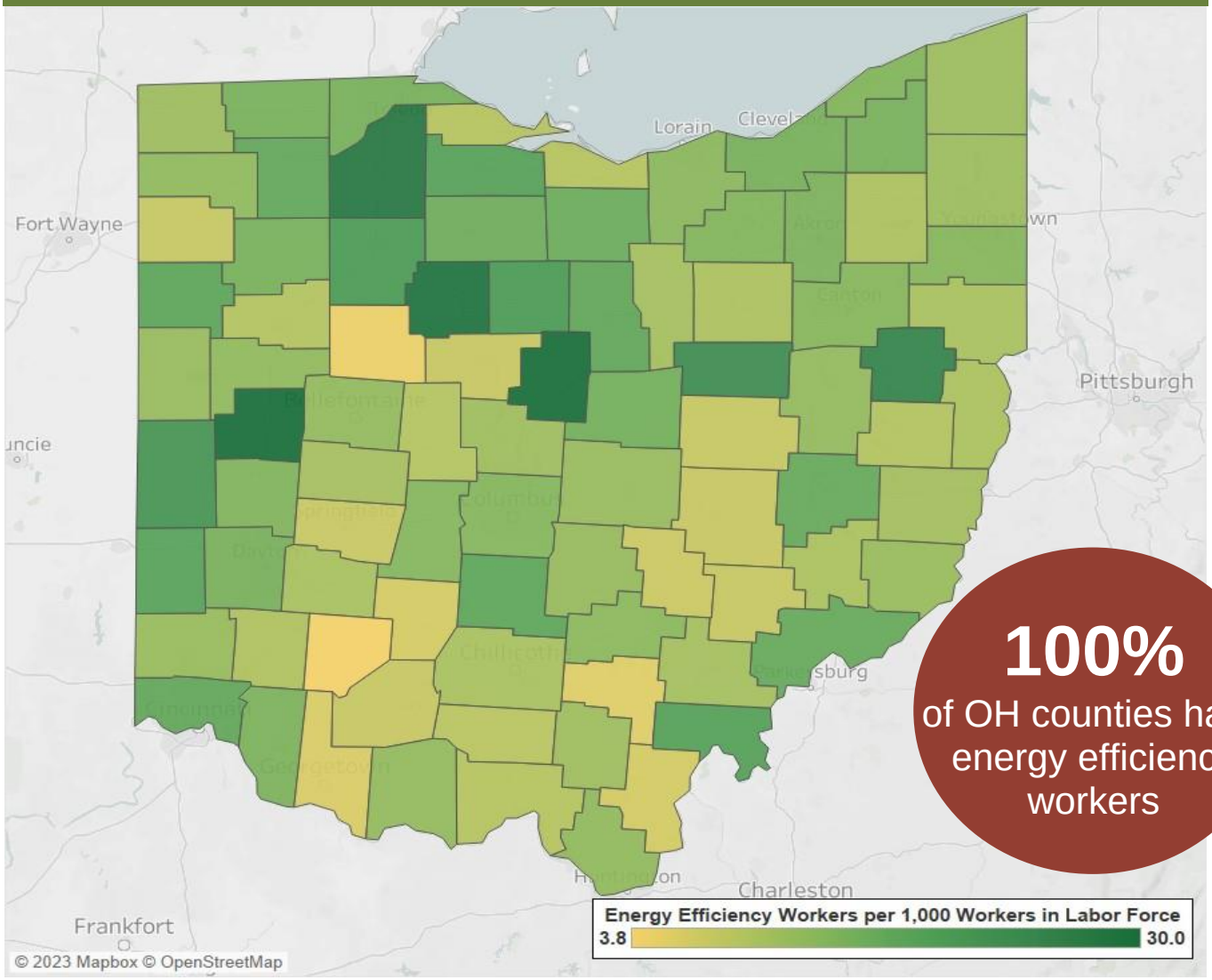
*Includes non-Hispanic and Hispanic whites.

Gender in the Ohio 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



100% of OH counties have energy efficiency workers

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	8,159	10	3,584	Akron	4,413	Sandusky	307
2	2,719	11	9,225	Canton-Massillon	2,255	Springfield	353
3	6,958	12	2,409	Cincinnati	12,528	Toledo	5,361
4	7,244	13	4,090	Cleveland-Elyria	14,704	Weirton-Steubenville	211
5	8,087	14	3,753	Columbus	14,276	Wheeling	230
6	4,892	15	1,548	Dayton	5,090	Youngstown-Warren-Boardman	2,019
7	6,099	16	1,329	Huntington-Ashland	170	Rural	13,247
8	3,128			Lima	479		
9	3,250			Mansfield	833		

State Senate

District	Jobs	District	Jobs
1	3,065	18	4,560
2	5,946	19	1,670
3	5,782	20	1,844
4	2,343	21	4,737
5	3,365	22	3,306
6	1,610	23	2,288
7	4,278	24	2,676
8	2,339	25	214
9	836	26	1,200
10	2,158	27	2,030
11	1,163	28	1,628
12	1,404	29	1,798
13	2,331	30	1,625
14	1,374	31	1,308
15	638	32	1,616
16	1,665	33	2,261
17	1,415		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs
1	933	39	1,662	77	468
2	1,280	40	1,128	78	863
3	4,202	41	1,009	79	368
4	791	42	356	80	583
5	884	43	339	81	697
6	3,445	44	1,525	82	408
7	714	45	255	83	1,048
8	661	46	676	84	761
9	469	47	631	85	156
10	2,516	48	992	86	295
11	135	49	441	87	459
12	<10	50	129	88	519
13	447	51	712	89	597
14	625	52	587	90	519
15	80	53	101	91	537
16	840	54	652	92	187
17	2,996	55	1,082	93	372
18	756	56	333	94	691
19	1,955	57	652	95	588
20	581	58	1,697	96	393
21	2,057	59	405	97	243
22	62	60	1,573	98	483
23	161	61	278	99	412
24	123	62	233		
25	<10	63	691		
26	<10	64	272		
27	3,334	65	415		
28	1,901	66	427		
29	1,070	67	1,102		
30	218	68	501		
31	639	69	252		
32	114	70	149		
33	139	71	822		
34	2,022	72	597		
35	682	73	593		
36	1,057	74	486		
37	1,191	75	345		
38	1,015	76	634		

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