Wisconsin

Energy Efficiency Jobs in America

55,736
Total Jobs

What are EE Jobs?

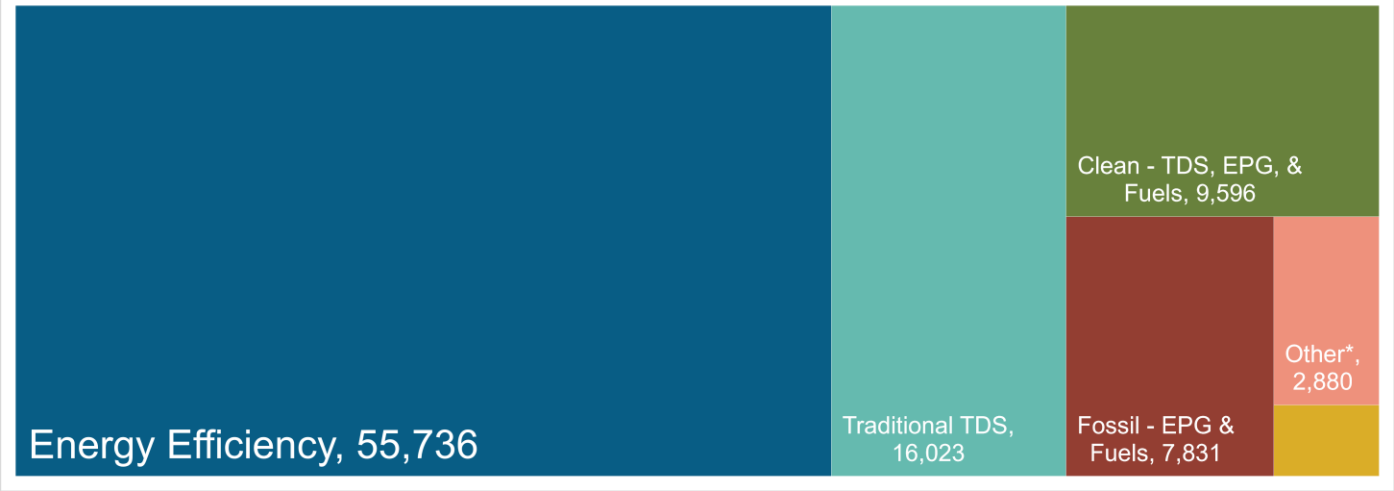
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Wisconsin?

Energy Efficiency is the largest energy sector in Wisconsin.



TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation
Nuclear (EPG & Fuels) = 1,091
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

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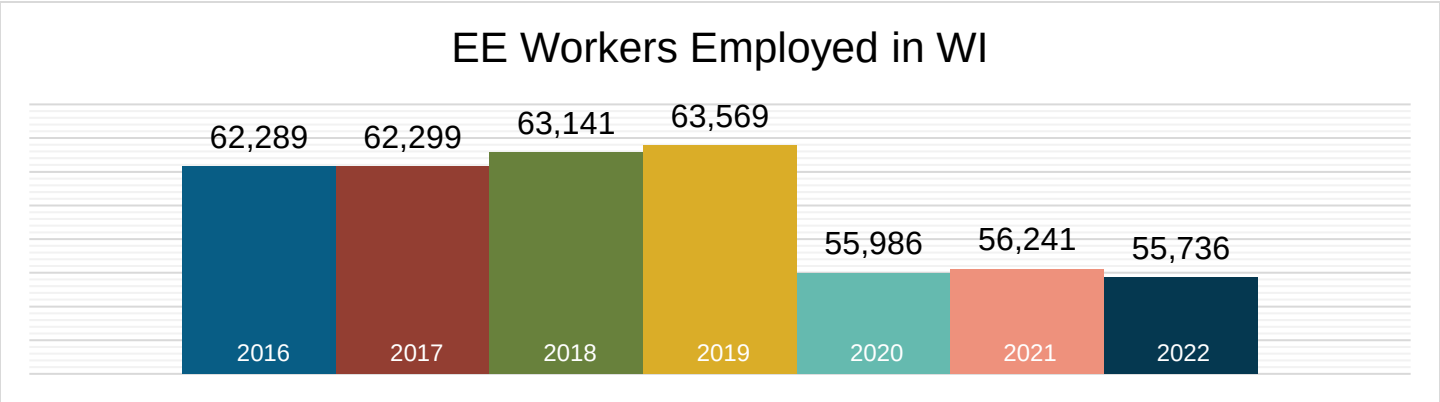
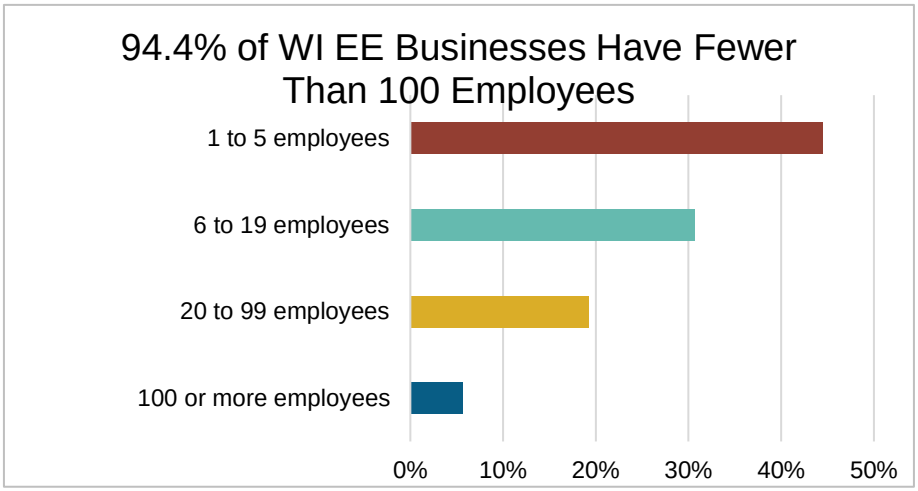
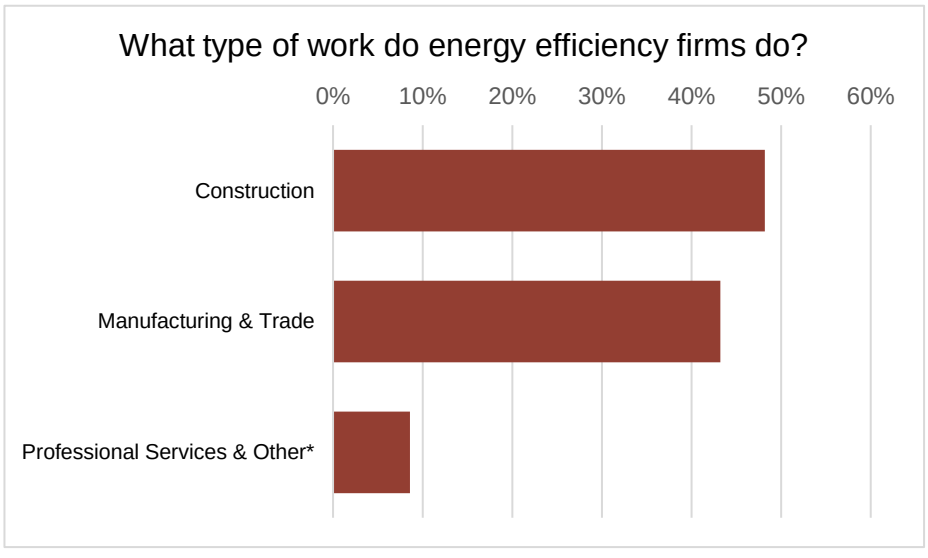
What does EE look like in Wisconsin?



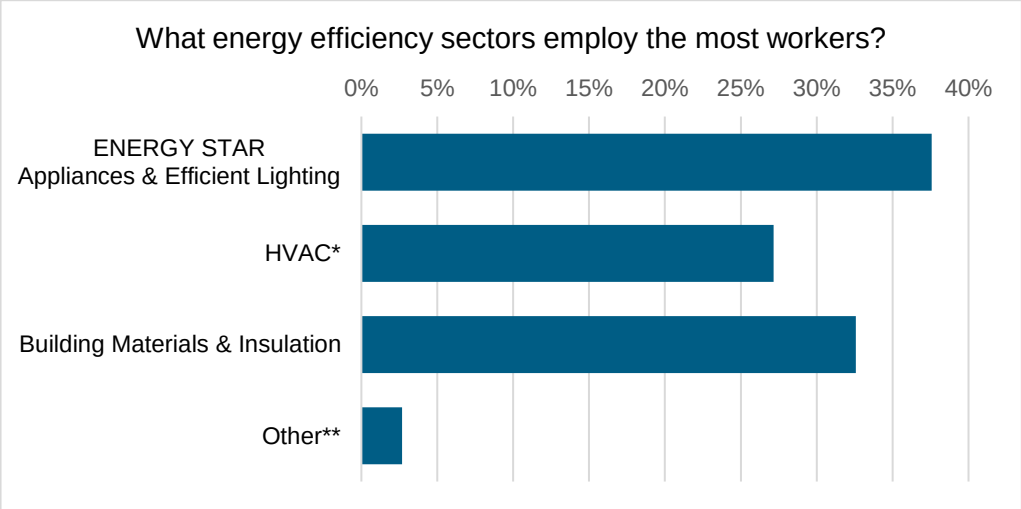


9,205
EE businesses in Wisconsin

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



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



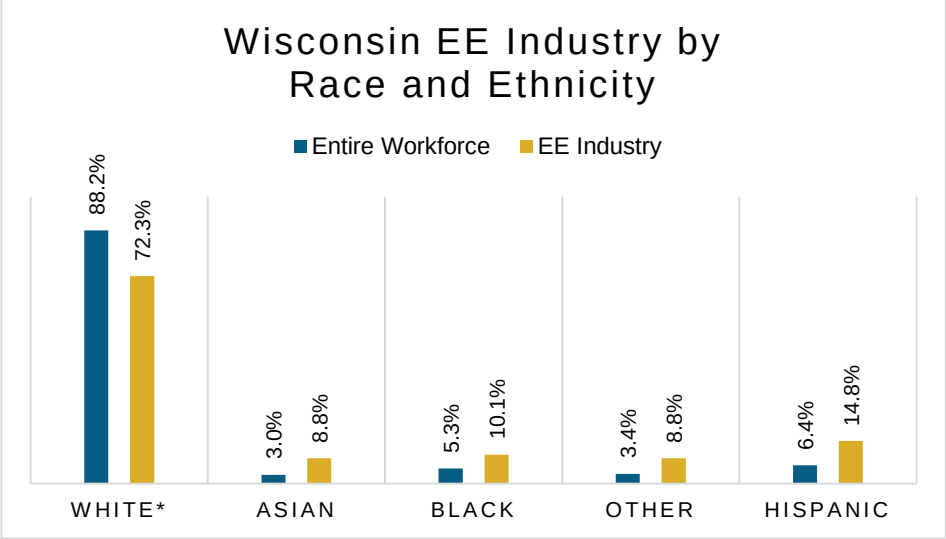
*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

9%
of Wisconsin EE workers are **Veterans**

How is EE doing on diversity in Wisconsin?

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 Wisconsin 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.

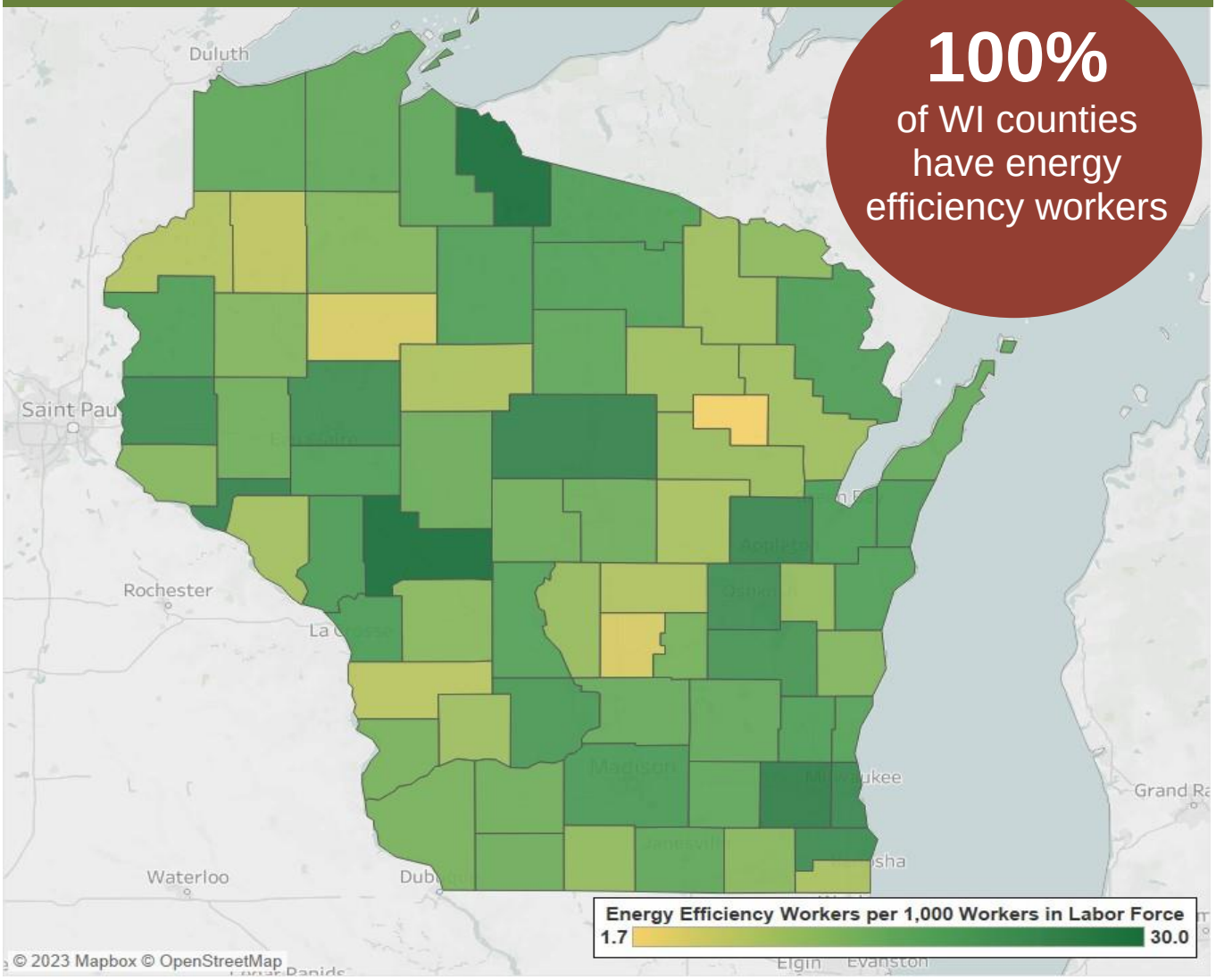


*Includes non-Hispanic and Hispanic whites.

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.

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	Area	Jobs	Area	Jobs
1	7,867	Appleton	2,761	Madison	7,603
2	8,124	Chicago-Naperville-Elgin	648	Milwaukee-Waukesha-West Allis	19,120
3	6,806	Duluth	266	Minneapolis-St. Paul-Bloomington	949
4	6,713	Eau Claire	1,669	Oshkosh-Neenah	2,085
5	5,668	Fond du Lac	966	Racine	1,710
6	8,277	Green Bay	3,247	Sheboygan	759
7	6,973	Janesville-Beloit	1,090	Wausau	1,792
8	5,307	La Crosse-Onalaska	1,346	Rural	9,725

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	3,512	11	3,013	21	2,125	31	634
2	2,576	12	2,984	22	232	32	1,396
3	1,838	13	2,068	23	2,438	33	631
4	1,968	14	1,916	24	1,448		
5	3,732	15	644	25	1,726		
6	1,314	16	2,819	26	1,945		
7	800	17	1,927	27	333		
8	2,961	18	1,499	28	437		
9	1,127	19	2,017	29	574		
10	1,997	20	886	30	219		

State Assembly

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	948	28	937	55	2,004	82	199
2	1,364	29	615	56	<10	83	237
3	1,203	30	436	57	<10	84	<10
4	1,392	31	1,852	58	509	85	267
5	524	32	634	59	87	86	<10
6	658	33	541	60	286	87	304
7	1,049	34	1,290	61	1,168	88	129
8	773	35	1,166	62	942	89	89
9	<10	36	519	63	<10	90	<10
10	1,126	37	1,487	64	231	91	<10
11	676	38	278	65	<10	92	407
12	157	39	316	66	<10	93	225
13	2,508	40	596	67	994	94	1,182
14	556	41	667	68	966	95	<10
15	653	42	682	69	470	96	212
16	1,310	43	284	70	1,136	97	544
17	<10	44	<10	71	306	98	18
18	<10	45	358	72	11	99	150
19	<10	46	582	73	563		
20	432	47	2,034	74	697		
21	364	48	190	75	460		
22	1,376	49	701	76	1,078		
23	1,003	50	605	77	283		
24	570	51	614	78	579		
25	157	52	679	79	75		
26	798	53	817	80	202		
27	178	54	<10	81	50		

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