

Michigan

Energy Efficiency Jobs in America

76,509

Total Jobs

What are EE jobs?

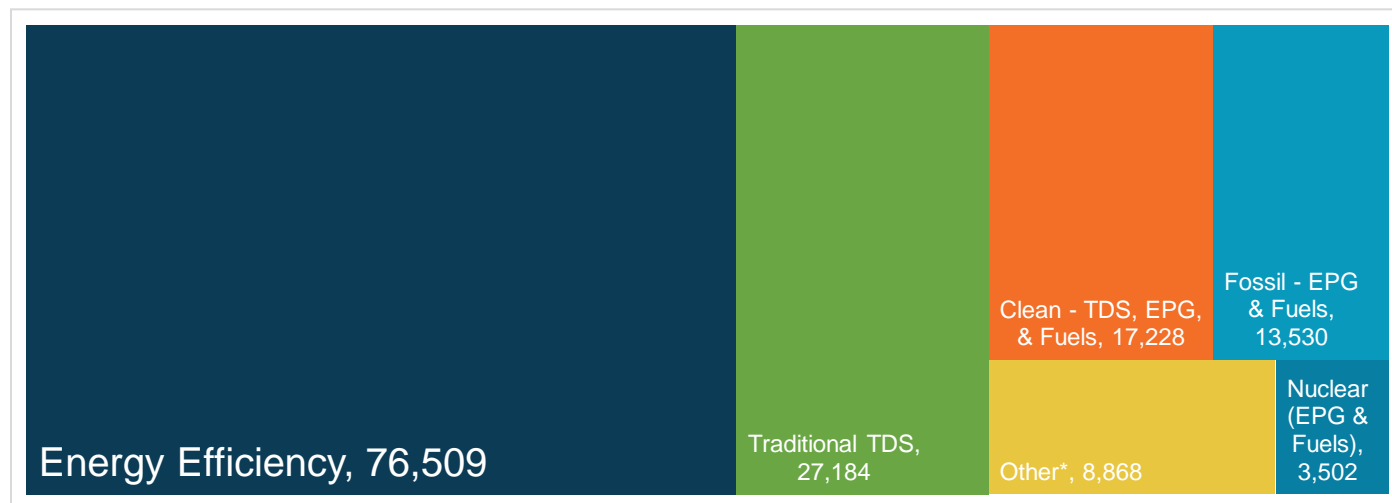
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Michigan?

Energy efficiency is the largest energy sector in Michigan.



TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

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

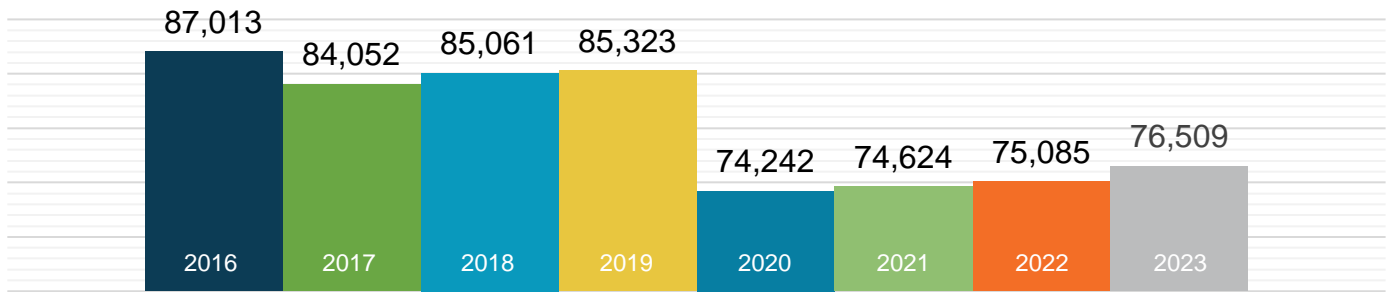
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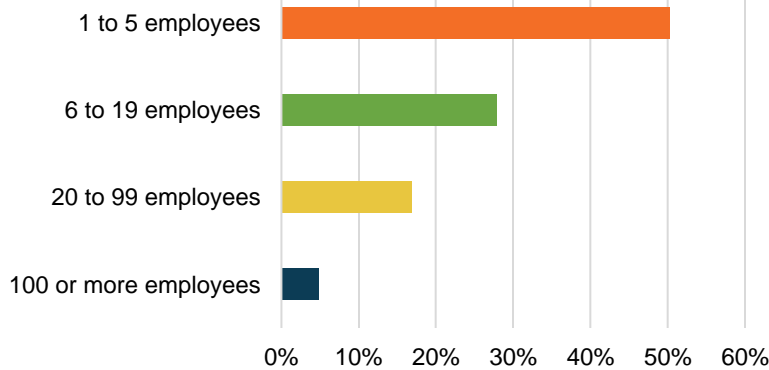
E4 THE FUTURE

What does EE look like in Michigan?

EE Workers Employed in MI



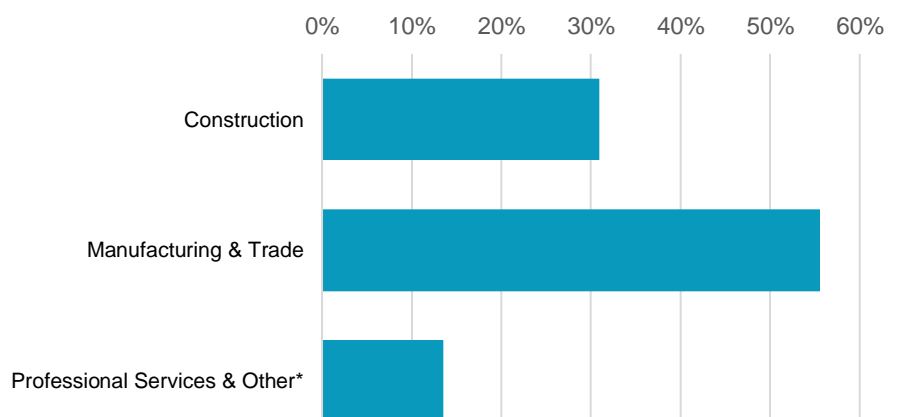
95.1% of MI EE Businesses Have Fewer Than 100 Employees



EE construction workers comprise
13% of Michigan's construction workforce

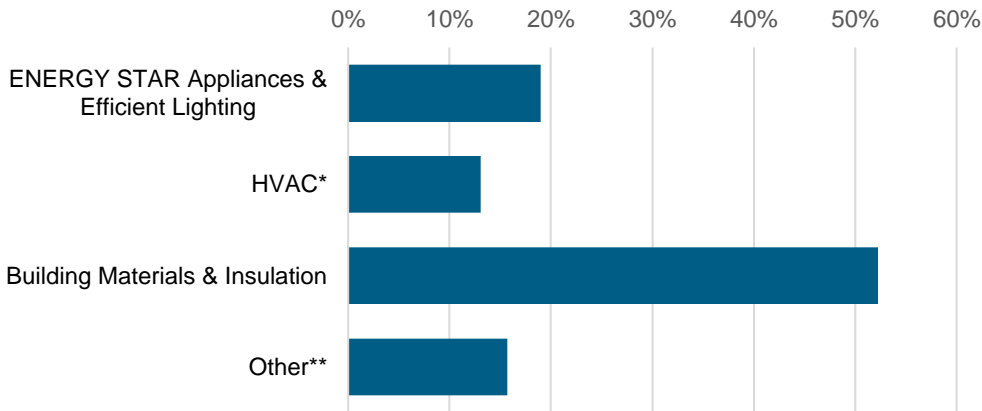


What type of work do energy efficiency firms do?

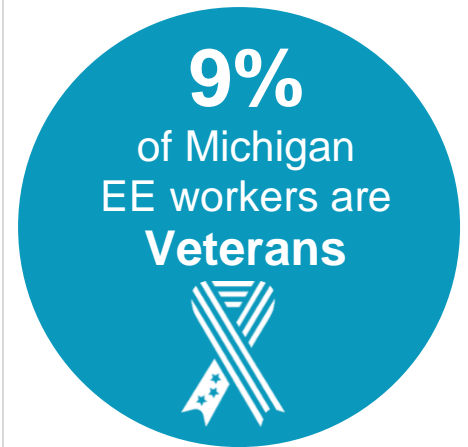


*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.

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

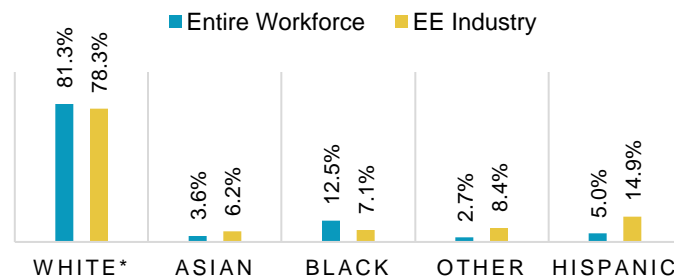


How is EE doing on diversity in Michigan?

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 Michigan 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 Michigan businesses.

Michigan EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

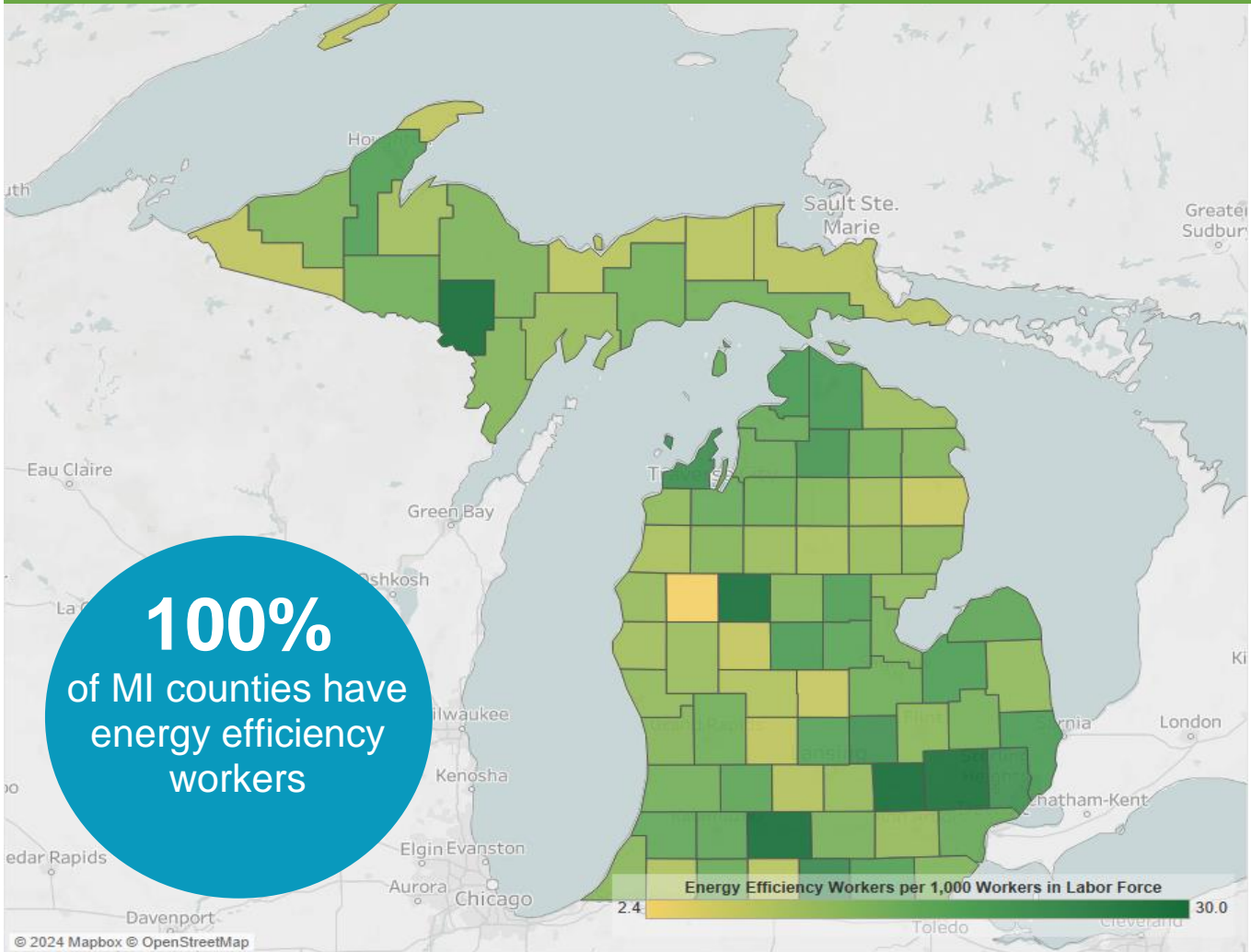
Gender in the Michigan EE Workforce



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 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		Area	Jobs
1	5,199		9	7,454		Ann Arbor	2,408		Kalamazoo-Portage	2,310
2	3,640		10	7,844		Battle Creek	1,605		Lansing-East Lansing	2,435
3	5,209		11	12,502		Bay City	473		Monroe	555
4	4,798		12	5,123		Detroit-Warren-Dearborn	42,765		Muskegon	705
5	4,221		13	4,402		Flint	1,625		Niles-Benton Harbor	733
6	6,697					Grand Rapids-Wyoming	8,165		Saginaw	1,181
7	5,989					Holland	583		South Bend-Mishawaka	78
8	3,428					Jackson	789		Rural	10,100

State Senate										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	3,036		11	5,079		21	2,406		31	1,933
2	629		12	3,971		22	1,971		32	1,124
3	1,761		13	2,729		23	2,480		33	1,603
4	303		14	1,760		24	968		34	1,311
5	623		15	1,942		25	2,039		35	2,850
6	1,140		16	2,031		26	3,444		36	1,617
7	2,457		17	1,742		27	1,098		37	2,179
8	3,334		18	2,332		28	3,652		38	2,304
9	1,620		19	2,302		29	368			
10	1,165	20	1,964	30	1,240					

State House of Representatives										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	533		35	2,049		69	48		103	879
2	265		36	524		70	719		104	441
3	714		37	1,749		71	219		105	1,261
4	591		38	1,721		72	2,038		106	929
5	734		39	370		73	2,316		107	582
6	865		40	1,260		74	1,250		108	863
7	91		41	1,186		75	337		109	686
8	495		42	1,286		76	<10		110	754
9	174		43	502		77	103			
10	<10		44	356		78	502			
11	1,084		45	415		79	399			
12	1,069		46	439		80	1,152			
13	713		47	819		81	902			
14	440		48	533		82	520			
15	86		49	94		83	425			
16	<10		50	338		84	537			
17	712		51	140		85	651			
18	1,113		52	1,770		86	260			
19	575		53	762		87	204			
20	1,367		54	411		88	678			
21	<10		55	<10		89	557			
22	551		56	409		90	<10			
23	121		57	775		91	911			
24	918		58	681		92	112			
25	718		59	1,127		93	363			
26	1,804		60	1,637		94	1,138			
27	659		61	84		95	256			
28	483		62	991		96	339			
29	1,756		63	366		97	694			
30	868		64	781		98	660			
31	460		65	151		99	409			
32	491		66	1,012		100	514			
33	314		67	1,343		101	1,535			
34	1,054	68	1,084	102	354					



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

