

Minnesota

Energy Efficiency Jobs in America

43,133
Total Jobs

What are EE Jobs?

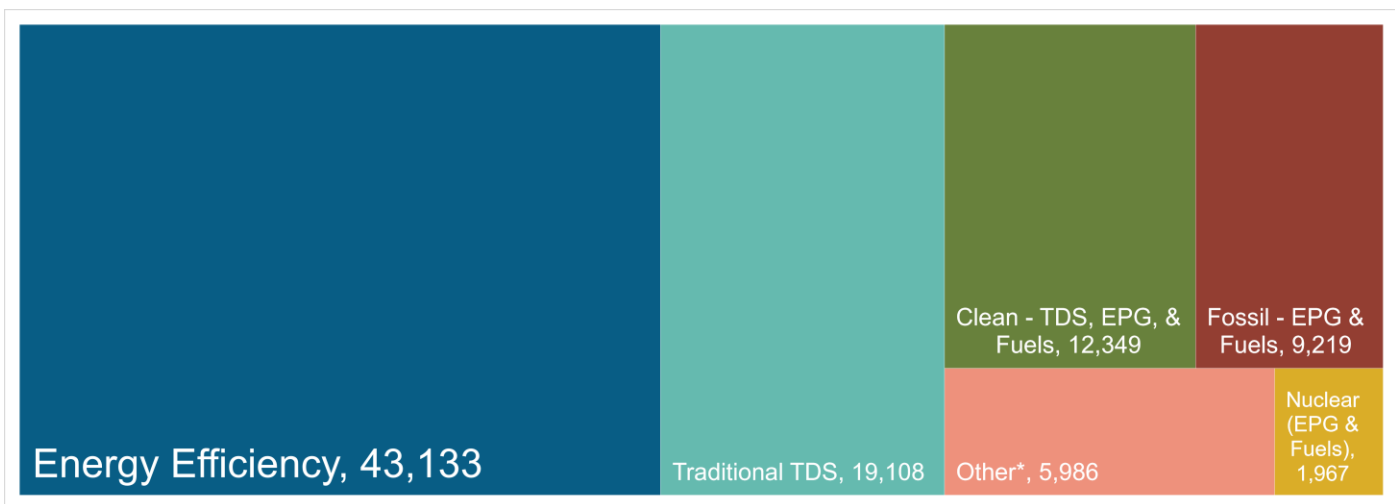
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Minnesota?

Energy Efficiency is the largest energy sector in Minnesota.

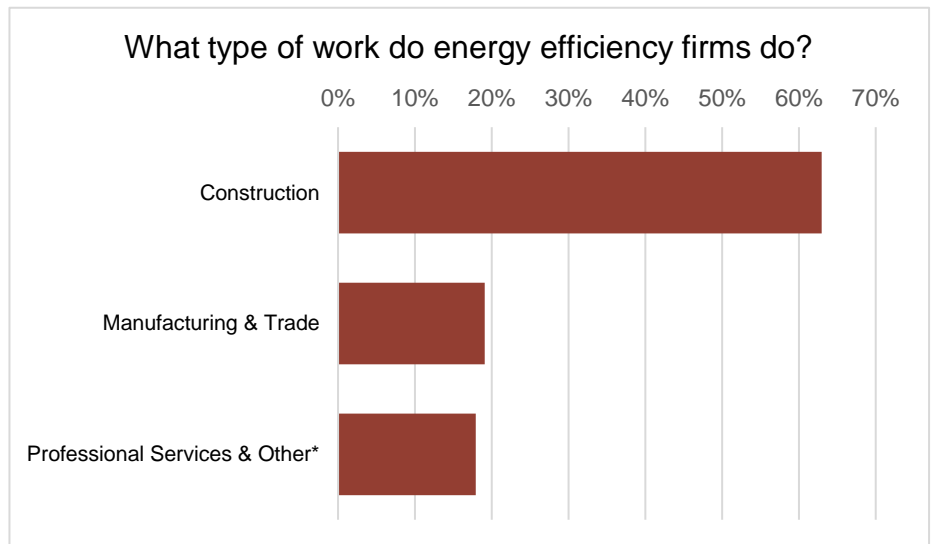
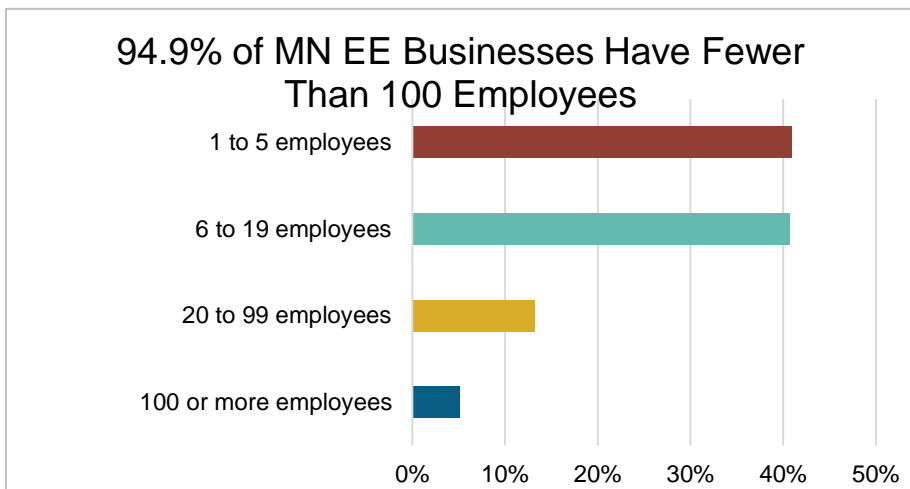
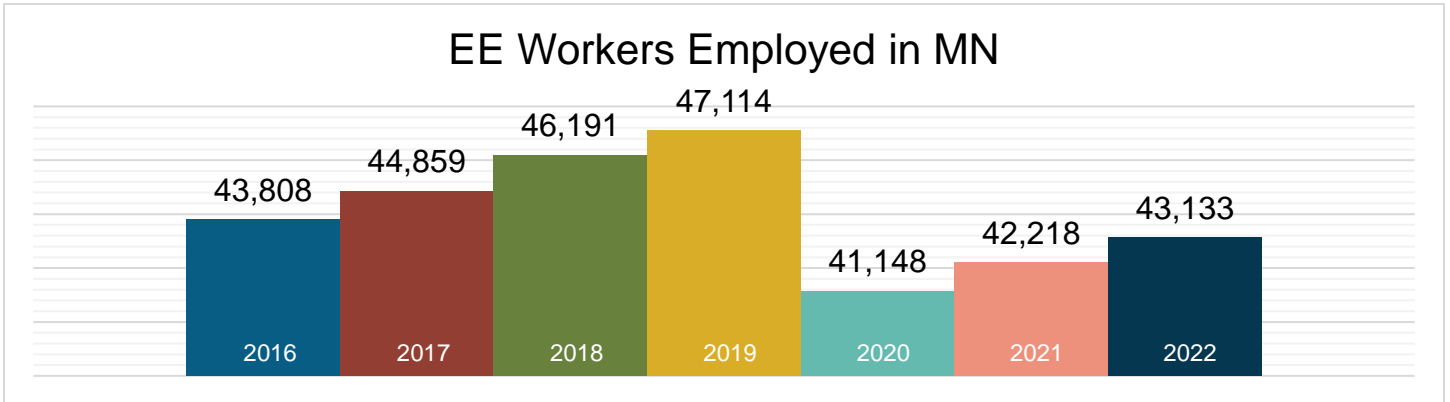


TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

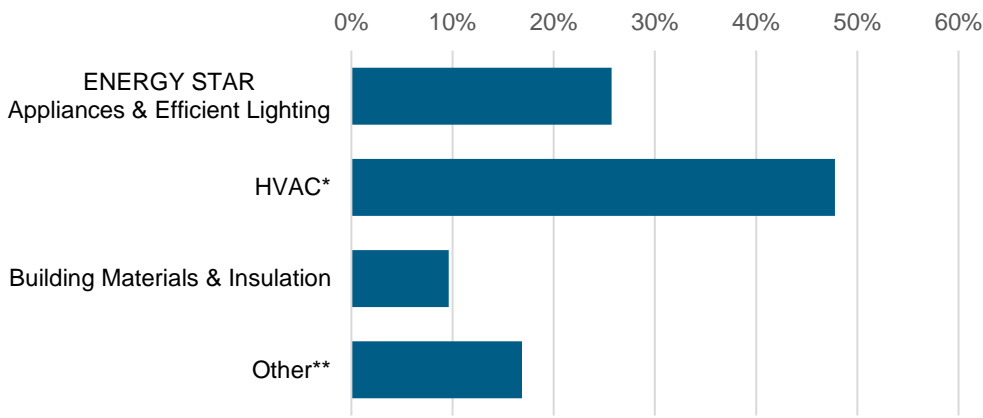
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Minnesota?



*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?



9%
of Minnesota
EE workers are
Veterans

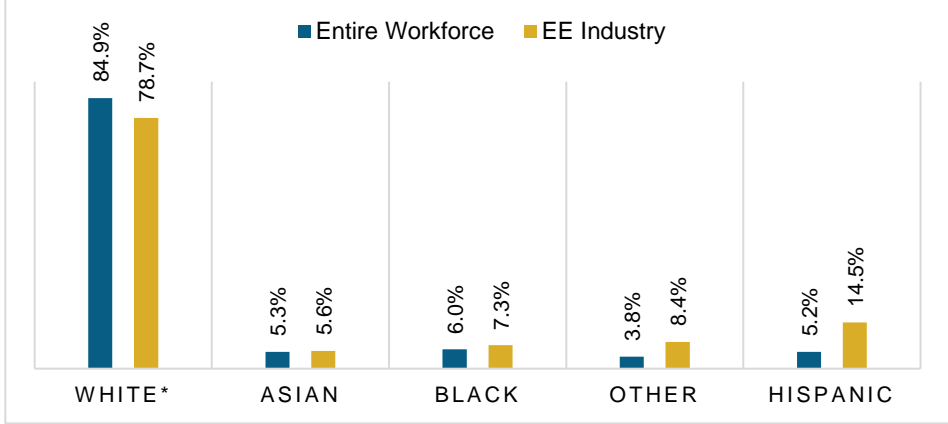
*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

How is EE doing on diversity in Minnesota?

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 Minnesota 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.

Connecticut EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

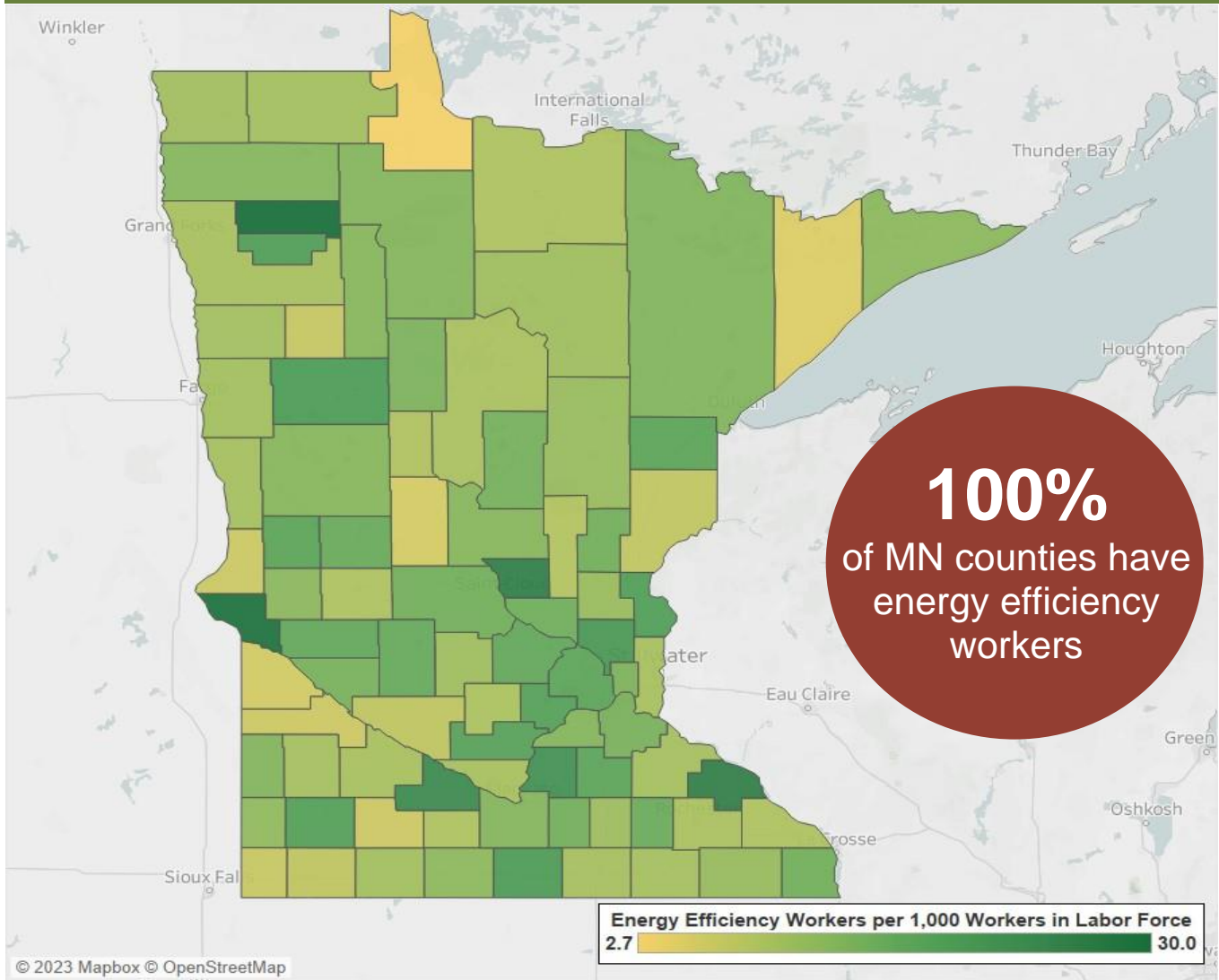
Gender in the Minnesota EE Workforce



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	5,571	6	4,346	Duluth	1,477	Minneapolis-St. Paul-Bloomington	29,995
2	3,159	7	5,328	Fargo	199	Rochester	1,273
3	9,905	8	3,523	Grand Forks	114	St. Cloud	1,732
4	5,303			La Crosse-Onalaska	76	Rural	7,591
5	5,998			Mankato-North Mankato	673		

State Upper House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	554	18	480	35	123	52	471
2	851	19	573	36	508	53	185
3	780	20	1,091	37	642	54	122
4	395	21	1,070	38	606	55	306
5	503	22	755	39	583	56	101
6	388	23	757	40	2,909	57	403
7	347	24	370	41	707	58	<10
8	918	25	567	42	723	59	2,144
9	757	26	343	43	172	60	520
10	289	27	473	44	1,888	61	354
11	327	28	282	45	241	62	89
12	1,411	29	593	46	563	63	13
13	1,116	30	1,456	47	300	64	1,225
14	<10	31	1,038	48	744	65	626
15	745	32	234	49	1,721	66	<10
16	991	33	1,371	50	394	67	<10
17	821	34	350	51	744		

State Lower House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
01A	281	18A	185	36A	221	53A	152
01B	268	18B	293	36B	286	53B	32
02A	404	19A	570	37A	519	54A	108
02B	446	20A	646	37B	120	54B	13
03A	375	20B	443	38A	482	55A	304
03B	402	21A	467	38B	122	55B	<10
04A	215	21B	602	39A	275	56A	<10
04B	172	22A	432	39B	309	56B	101
05A	183	22B	319	40A	322	57A	401
05B	318	23A	467	40B	1,984	58B	<10
06A	309	23B	285	41A	558	59A	13
06B	77	24A	267	41B	145	59B	2,129
07A	294	24B	101	42A	<10	60A	341
07B	51	25A	577	42B	760	60B	185
08A	351	26A	196	43A	102	61A	161
08B	589	26B	145	43B	69	61B	215
09A	525	27A	318	44A	757	62A	89
09B	228	27B	111	44B	1,053	62B	<10
10A	127	28A	95	45A	189	63A	<10
10B	160	28B	185	45B	51	63B	13
11A	83	29A	372	46A	440	64A	1,108
11B	242	29B	266	46B	142	64B	88
12A	483	30A	<10	47A	299	65A	76
12B	1,084	30B	1,455	47B	<10	65B	553
13A	809	31A	568	48A	788	66A	<10
13B	316	31B	465	48B	<10	66B	<10
14A	<10	32A	113	49A	967	67A	<10
14B	<10	32B	120	49B	684	67B	<10
15A	372	33A	1,721	50A	425		
15B	369	33B	160	50B	<10		
16A	389	34A	317	51A	740		
16B	596	34B	32	51B	<10		
17A	502	35A	<10	52A	348		
17B	316	35B	122	52B	137		



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.



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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