

Minnesota

Energy Efficiency Jobs in America

44,511
Total Jobs

What are EE jobs?

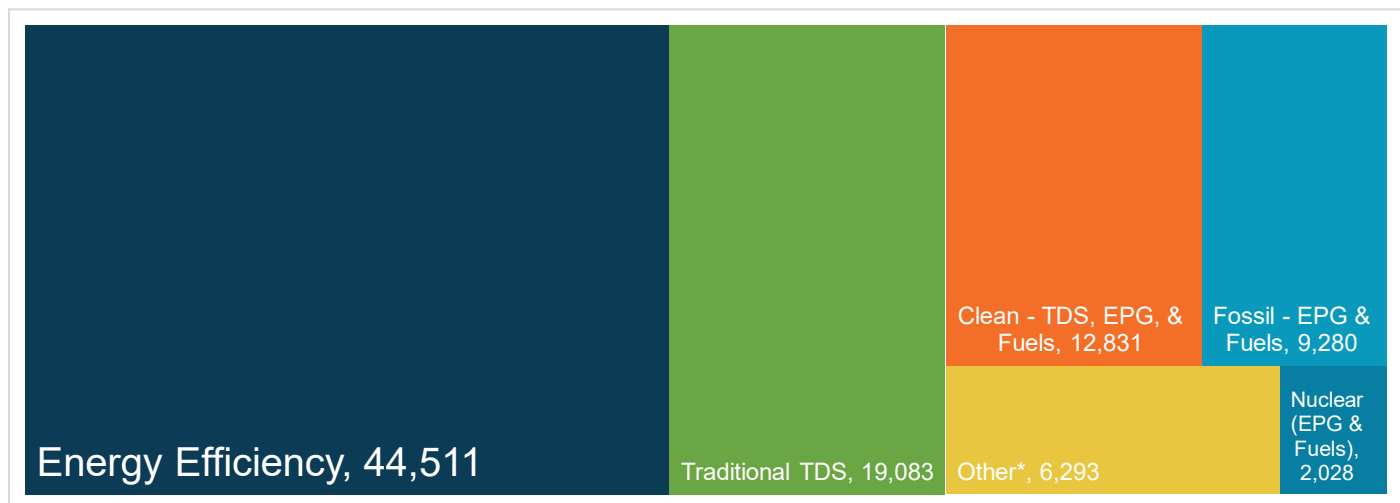
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 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.

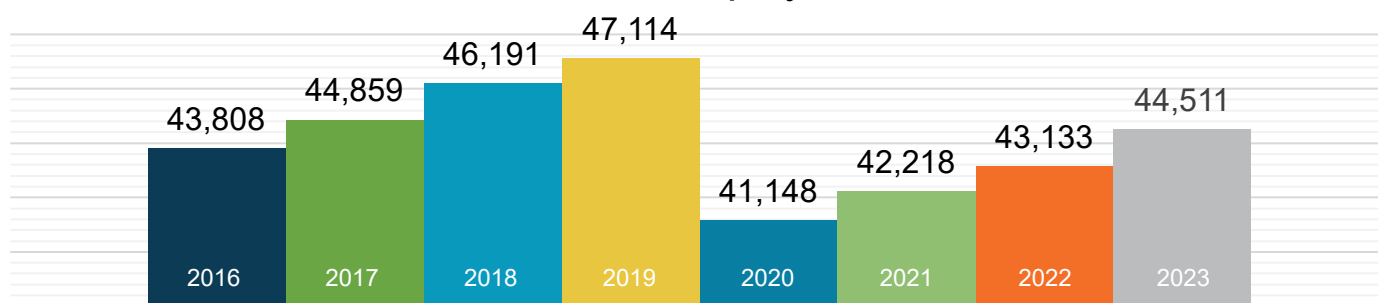
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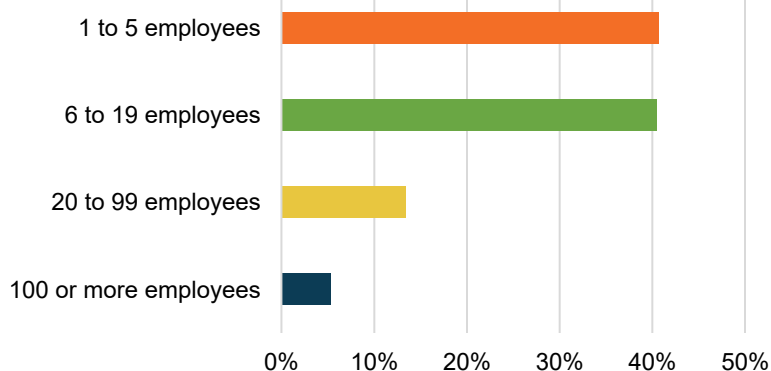
E4 THE FUTURE

What does EE look like in Minnesota?

EE Workers Employed in MN



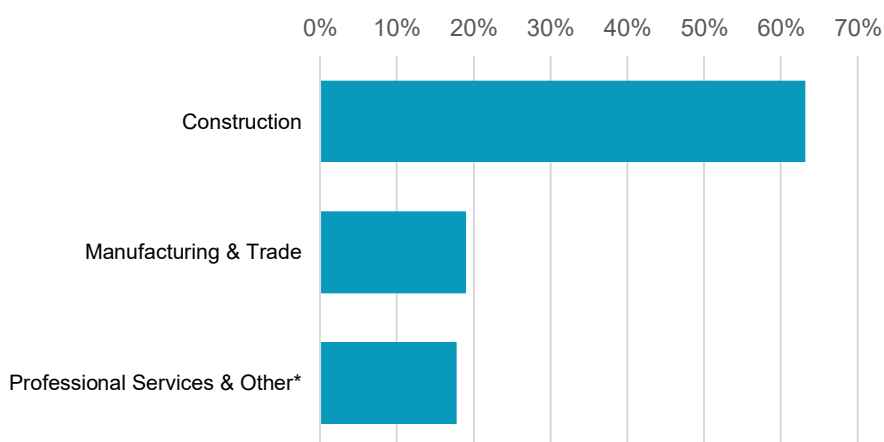
94.7% of MN EE Businesses Have Fewer Than 100 Employees



EE construction workers comprise **22%** of Minnesota's construction workforce

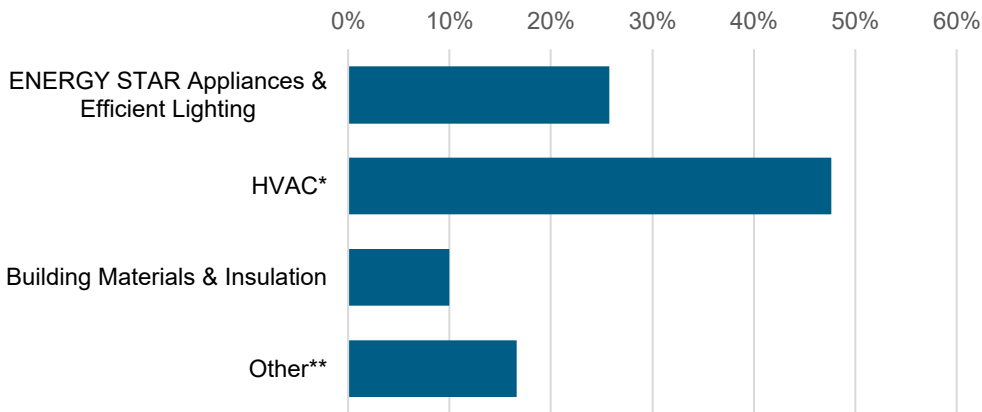


What type of work do energy efficiency firms do?



*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

10%
 of Minnesota
 EE workers are
Veterans

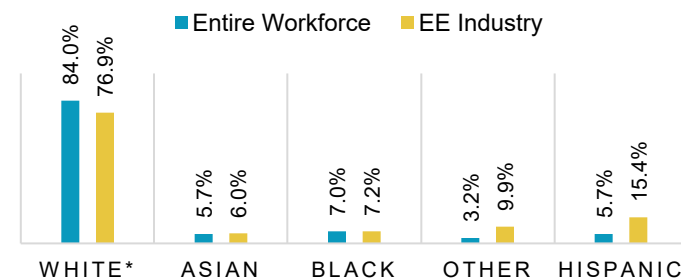


How is EE doing on diversity in Minnesota?

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 Minnesota businesses.

Minnesota EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

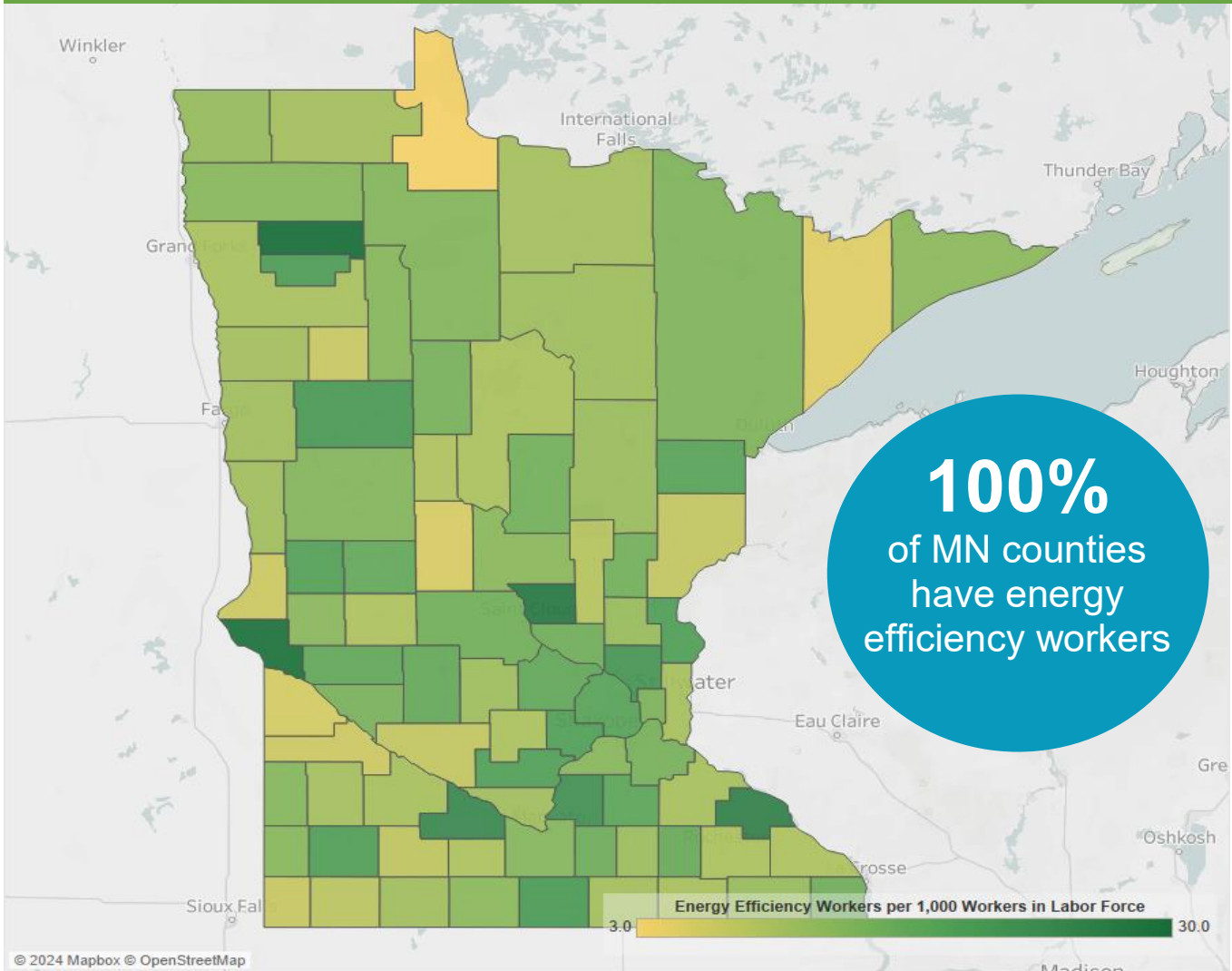
Gender in the Minnesota EE Workforce



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 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
1	4,684		6	4,532		Duluth	1,530
2	4,520		7	4,731		Fargo	205
3	8,657		8	4,264		Grand Forks	118
4	4,842					La Crosse-Onalaska	79
5	8,280					Mankato-North Mankato	693
						Minneapolis-St. Paul-Bloomington	30,979
						Rochester	1,311
						St. Cloud	1,785
						Rural	7,811

State Senate

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	565		18	490		35	126		52	480
2	868		19	585		36	518		53	188
3	802		20	1,114		37	655		54	124
4	403		21	1,091		38	618		55	432
5	513		22	771		39	605		56	104
6	396		23	772		40	2,969		57	412
7	369		24	380		41	732		58	<10
8	936		25	604		42	738		59	2,188
9	773		26	350		43	176		60	530
10	294		27	483		44	1,927		61	361
11	345		28	288		45	247		62	91
12	1,440		29	606		46	575		63	14
13	1,219		30	1,486		47	306		64	1,410
14	<10		31	1,063		48	759		65	639
15	760		32	239		49	1,756		66	<10
16	1,011		33	1,400		50	433		67	<10
17	844		34	357		51	759			

State House of Representatives

District	Jobs		District	Jobs		District	Jobs		District	Jobs
01A	286		18A	188		36A	225		53A	155
01B	273		18B	298		36B	291		53B	32
02A	412		19A	581		37A	529		54A	110
02B	455		20A	658		37B	122		54B	13
03A	382		20B	451		38A	491		55A	430
03B	416		21A	476		38B	124		55B	<10
04A	219		21B	613		39A	290		56A	<10
04B	175		22A	440		39B	314		56B	103
05A	186		22B	325		40A	329		57A	409
05B	324		23A	476		40B	2,021		58B	<10
06A	315		23B	291		41A	579		59A	13
06B	79		24A	275		41B	148		59B	2,169
07A	314		24B	103		42A	<10		60A	347
07B	52		25A	613		42B	774		60B	188
08A	357		26A	200		43A	104		61A	164
08B	600		26B	148		43B	71		61B	219
09A	535		27A	324		44A	771		62A	90
09B	232		27B	113		44B	1,073		62B	<10
10A	129		28A	97		45A	194		63A	<10
10B	163		28B	188		45B	52		63B	13
11A	84		29A	380		46A	448		64A	1,288
11B	258		29B	271		46B	144		64B	90
12A	492		30A	<10		47A	305		65A	78
12B	1,104		30B	1,482		47B	<10		65B	563
13A	824		31A	583		48A	803		66A	<10
13B	401		31B	474		48B	<10		66B	<10
14A	<10		32A	115		49A	985		67A	<10
14B	<10		32B	122		49B	697		67B	<10
15A	379		33A	1,754		50A	464			
15B	376		33B	163		50B	<10			
16A	396		34A	322		51A	753			
16B	608		34B	32		51B	<10			
17A	511		35A	<10		52A	355			
17B	328		35B	125		52B	140			





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

