

Iowa

Energy Efficiency Jobs in America

20,153
Total Jobs

What are EE jobs?

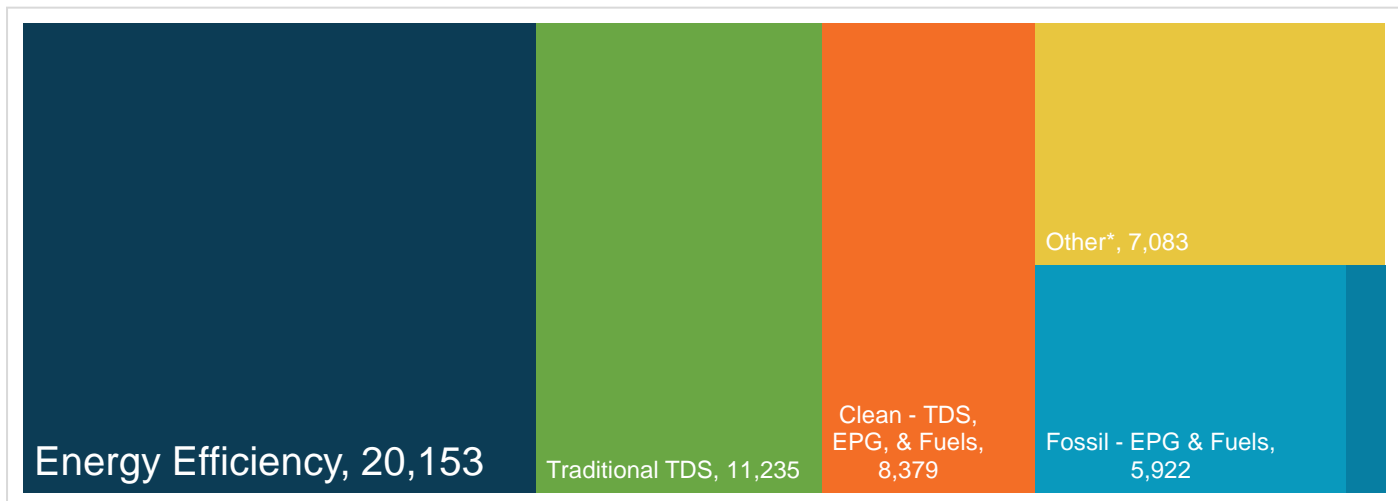
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Iowa?

Energy efficiency is the largest energy sector in Iowa.



TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 750

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

Presented by:

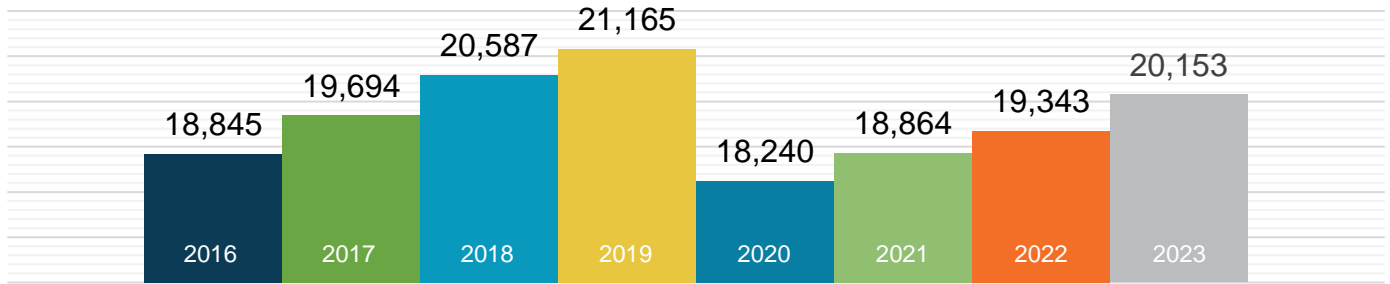


E4 THE FUTURE

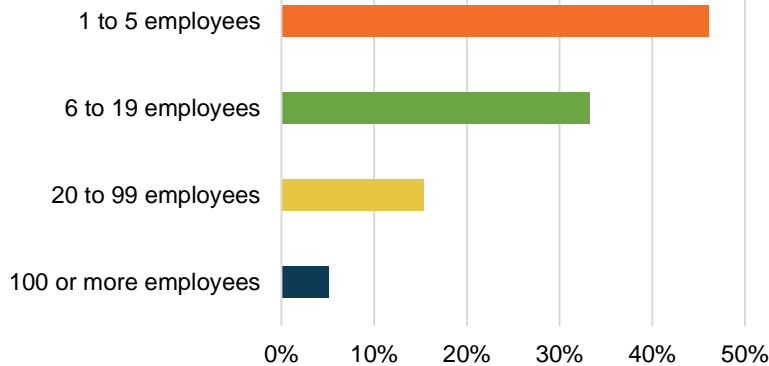
Updated April 2025

What does EE look like in Iowa?

EE Workers Employed in IA



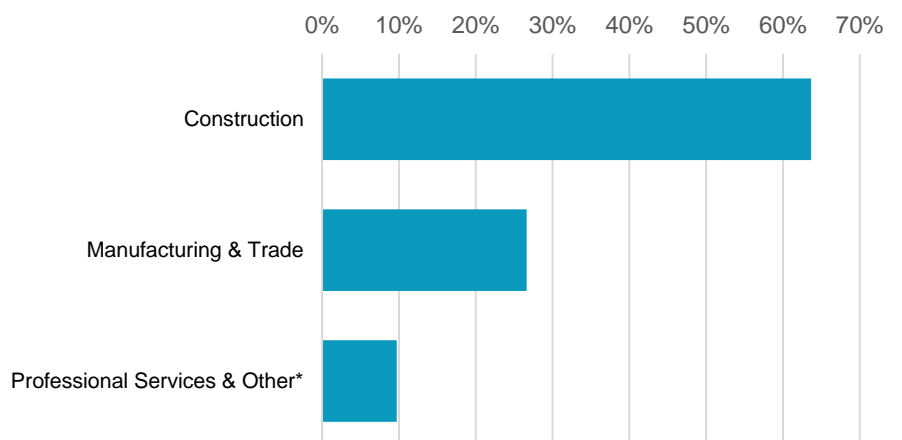
94.8% of IA EE Businesses Have Fewer Than 100 Employees



EE construction workers comprise
15% of Iowa's construction workforce

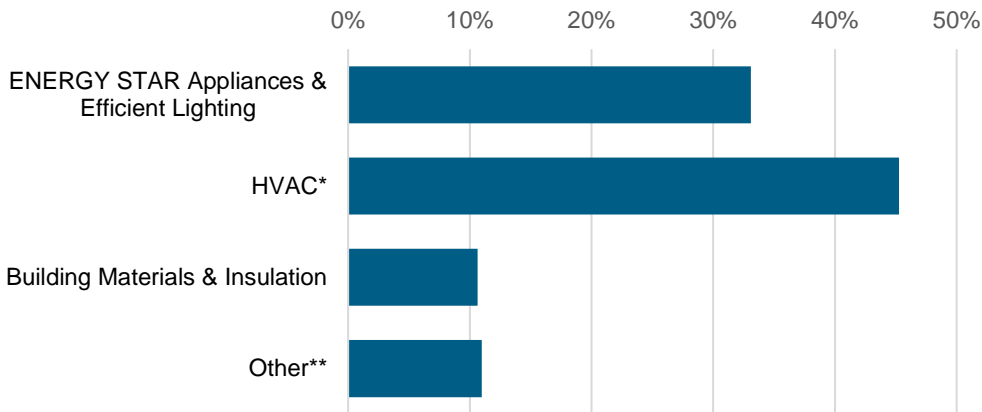


What type of work do energy efficiency firms do?



*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

9%
 of Iowa
 EE workers are
Veterans

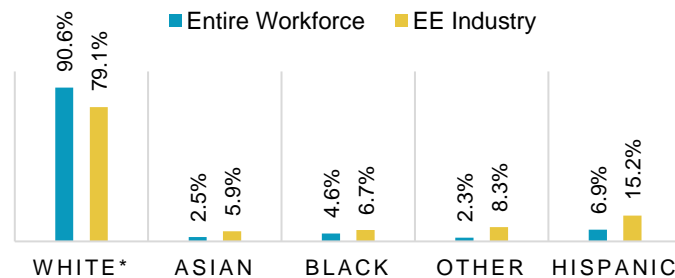


How is EE doing on diversity in Iowa?

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 Iowa 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 Iowa businesses.

Iowa EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

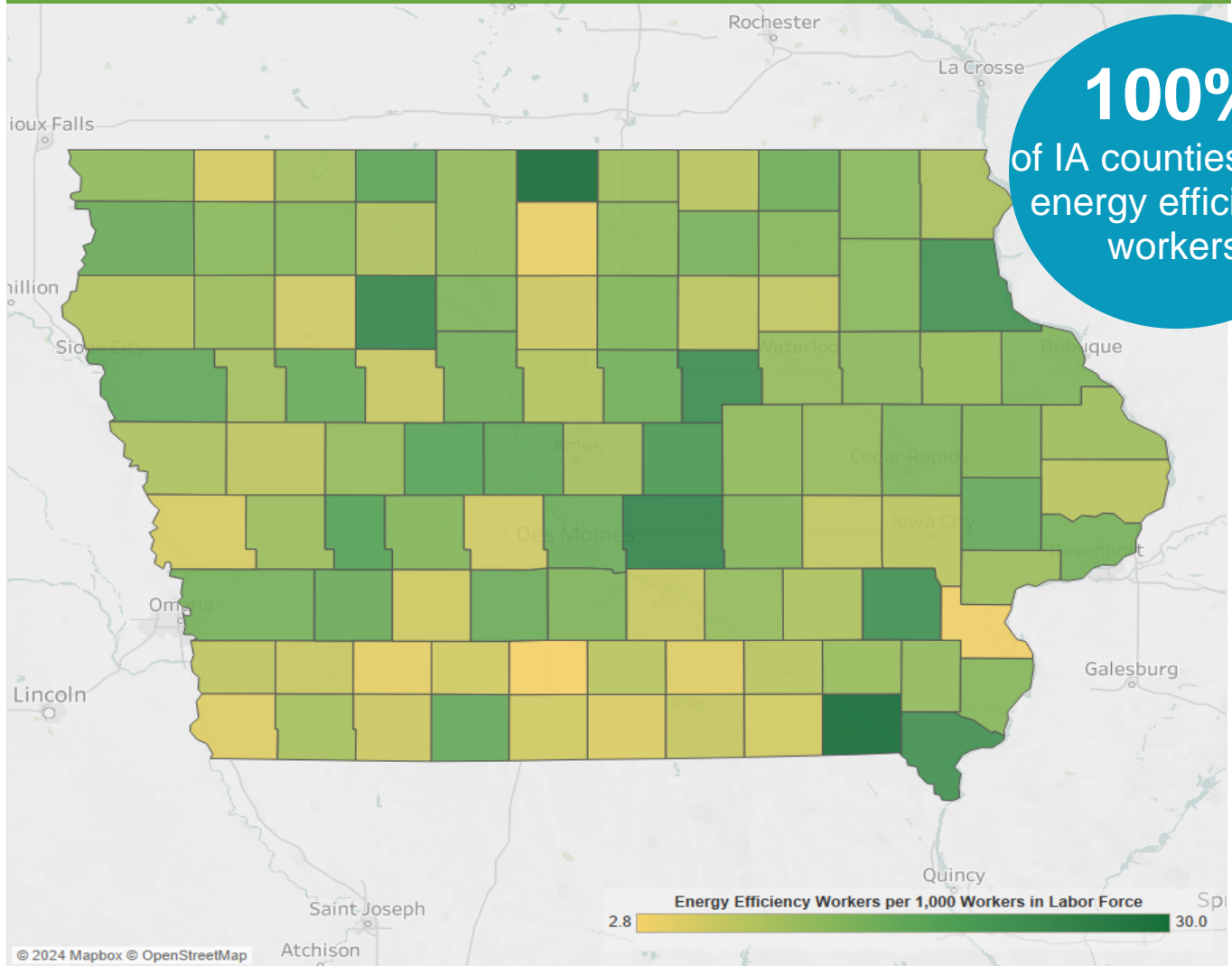
Gender in the Iowa EE Workforce



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		Area	Jobs		Area	Jobs
1	4,748		Ames	488		Iowa City	866
2	4,920		Cedar Rapids	1,871		Omaha-Council Bluffs	630
3	5,601		Davenport-Moline-Rock Island	1,321		Sioux City	955
4	4,884		Des Moines-West Des Moines	5,530		Waterloo-Cedar Falls	1,001
			Dubuque	804		Rural	6,688

State Senate

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	854		14	525		27	117		40	312
2	424		15	456		28	334		41	422
3	632		16	841		29	938		42	283
4	629		17	175		30	289		43	<10
5	360		18	715		31	212		44	430
6	634		19	153		32	346		45	436
7	50		20	<10		33	1,133		46	289
8	299		21	486		34	176		47	246
9	345		22	65		35	69		48	120
10	1,295		23	516		36	333		49	231
11	255		24	323		37	926		50	<10
12	243		25	544		38	368			
13	265		26	823		39	221			

State House of Representatives

District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	531		28	405		55	172		82	359
2	288		29	30		56	160		83	161
3	246		30	423		57	574		84	120
4	174		31	74		58	360		85	<10
5	151		32	767		59	<10		86	<10
6	477		33	99		60	286		87	183
7	453		34	75		61	210		88	247
8	172		35	304		62	<10		89	265
9	232		36	411		63	159		90	169
10	125		37	151		64	185		91	20
11	198		38	<10		65	937		92	268
12	437		39	<10		66	189		93	224
13	50		40	<10		67	160		94	20
14	<10		41	<10		68	16		95	35
15	296		42	484		69	69		96	85
16	<10		43	64		70	<10		97	224
17	181		44	<10		71	241		98	<10
18	161		45	510		72	90		99	<10
19	1,043		46	<10		73	570		100	<10
20	244		47	216		74	374			
21	203		48	105		75	282			
22	50		49	86		76	110			
23	101		50	454		77	71			
24	140		51	325		78	147			
25	193		52	492		79	76			
26	70		53	<10		80	234			
27	116		54	116		81	84			





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

