Iowa

Energy Efficiency Jobs in America

21,088
Total Jobs

What are EE jobs?

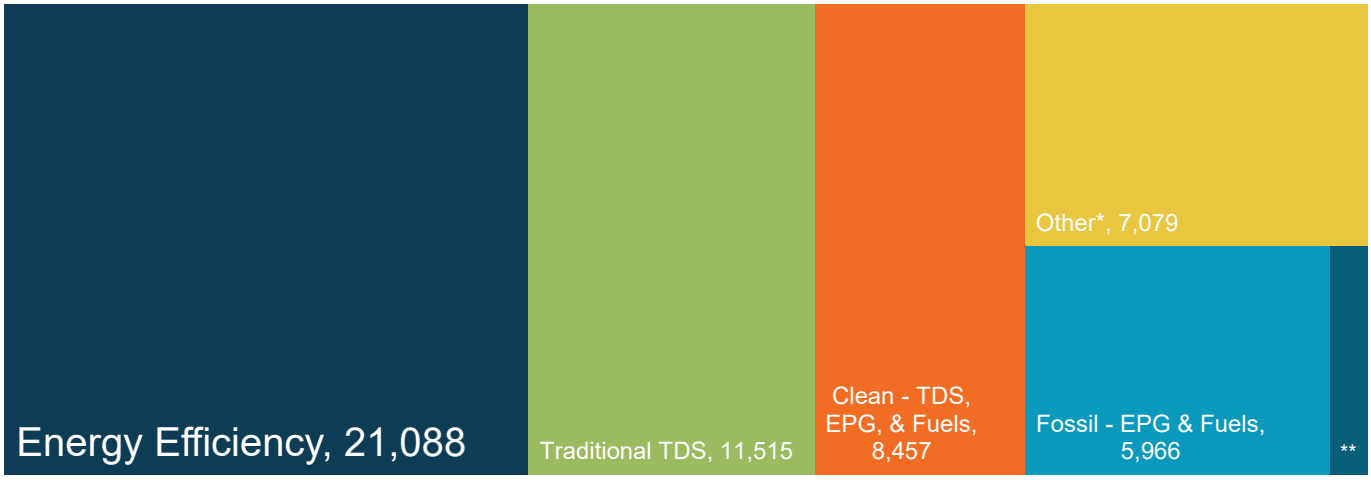
Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.

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, as well as 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 to other energy sectors in Iowa?

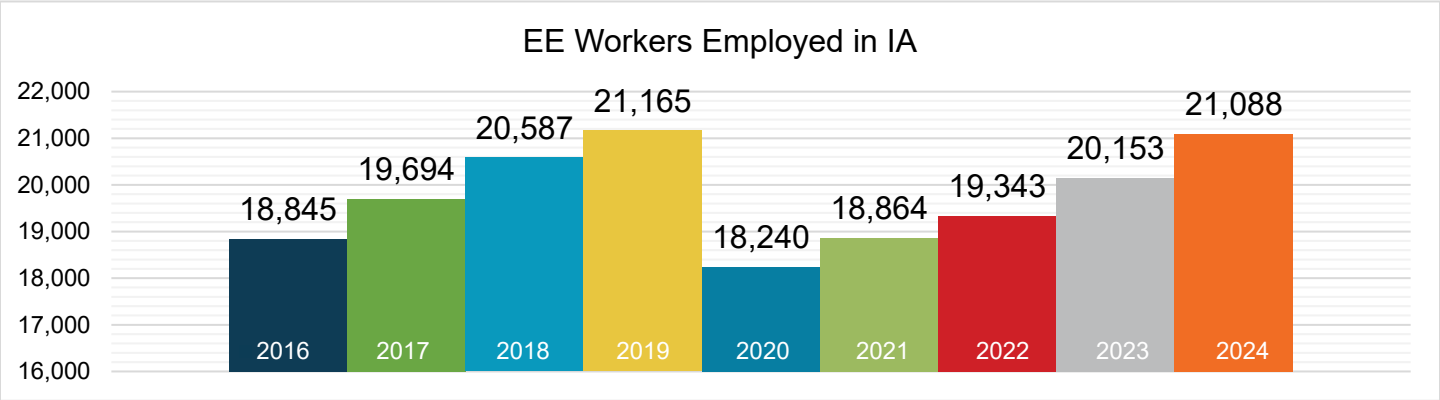
Energy efficiency is the largest energy sector in Iowa.

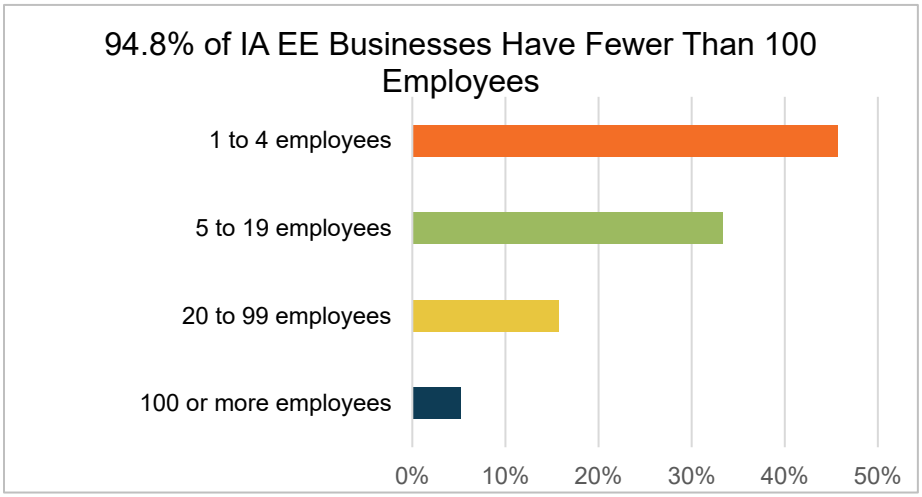


TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 730
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

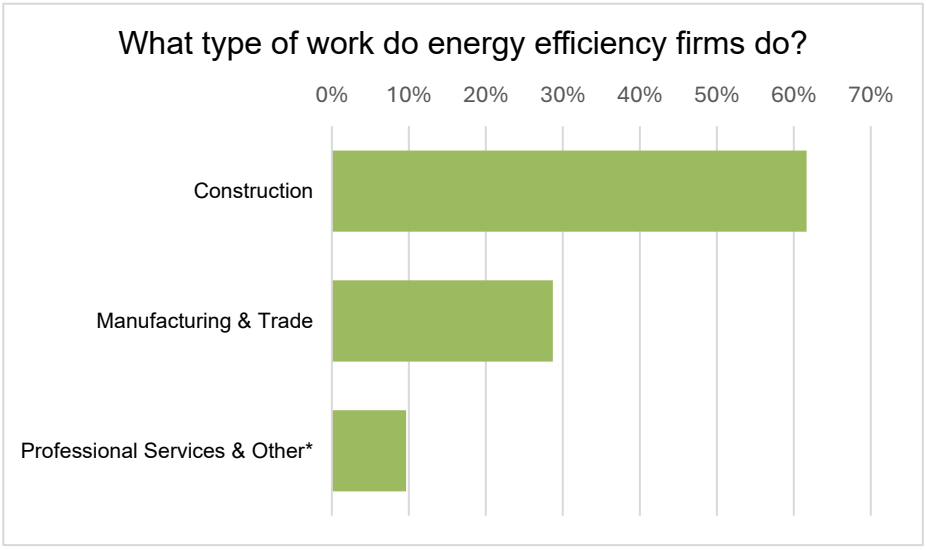
What does EE look like in Iowa?



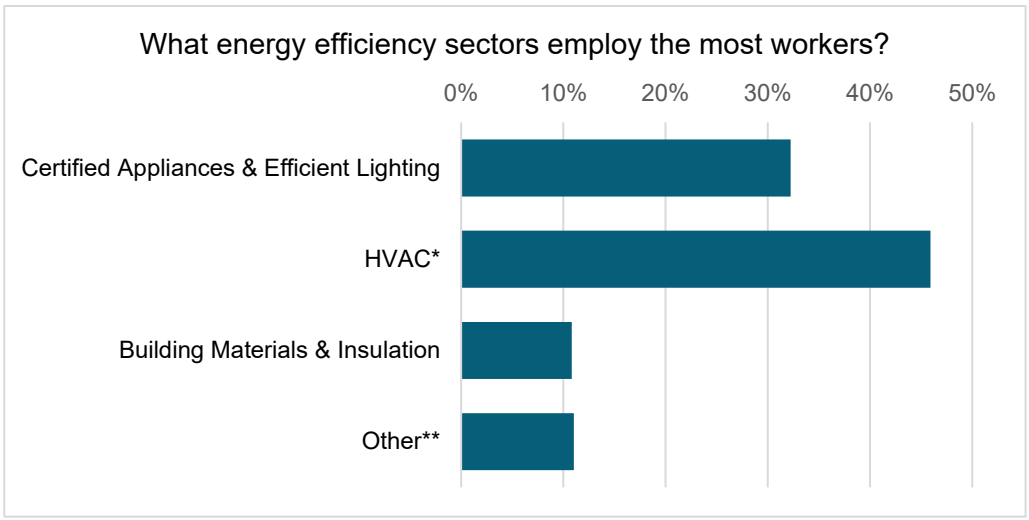


3,027
EE businesses in Iowa

EE construction workers comprise **16%** of Iowa's construction workforce



*Professional services include finance, accounting, architecture, engineering, research and development, and more. The "other" category includes roles in maintenance, business operations, and nonprofit organizations.



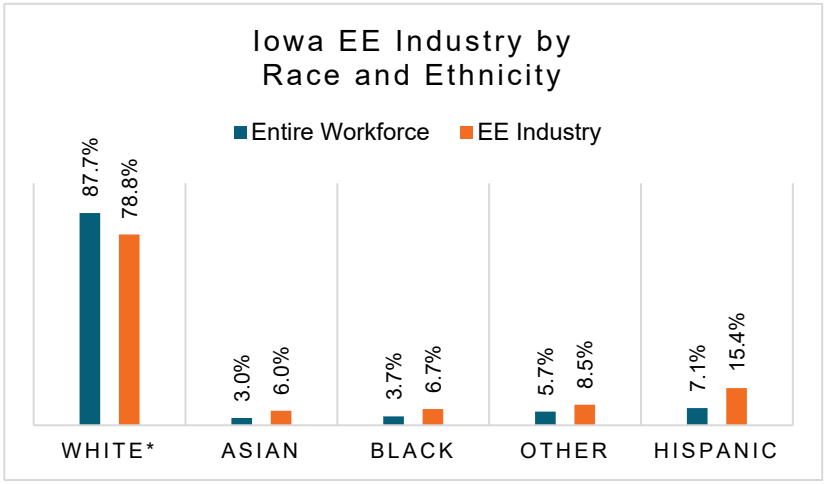
9% of Iowa EE workers are **veterans**

Certified Appliances = ENERGY STAR-certified appliances
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating and cooling
**Other includes energy audits, building certifications, and software services

How representative is the EE workforce in Iowa?

Demographic data is critical to measure progress towards a more representative EE workforce. Tracking this data helps show how well Iowa's EE workforce reflects the communities it serves and where gaps remain.

Expanded training programs in Iowa can help ensure energy efficiency careers are accessible to all.

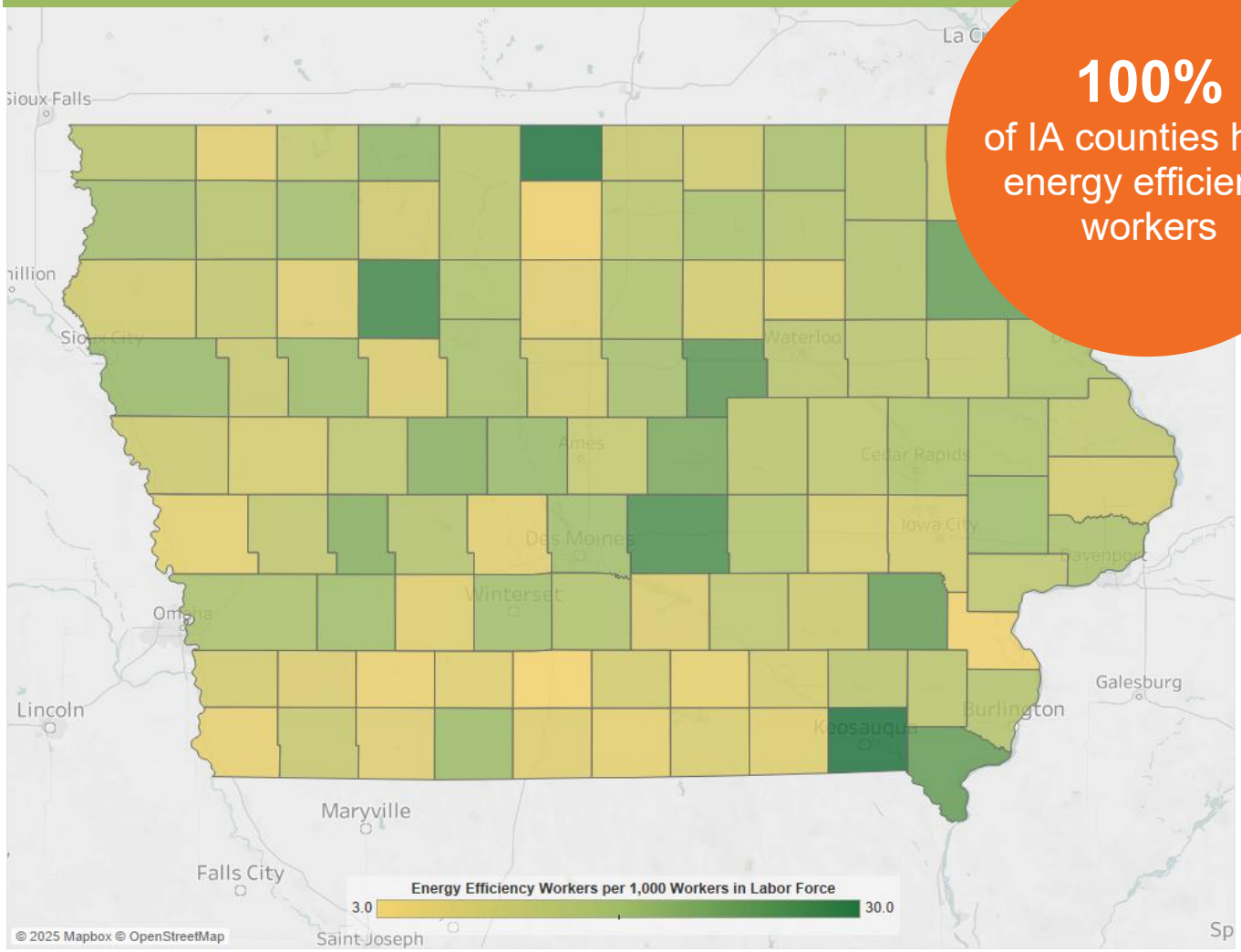


*Includes non-Hispanic and Hispanic whites.

Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. Nonbinary gender data is missing from this document due to this limitation.

Energy efficiency jobs are everywhere

EE Jobs by County



100%
of IA counties have energy efficiency workers

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/348937.

Congressional	
District	**Jobs**
1	4,580
2	5,256
3	6,228
4	5,024

Metropolitan Areas	
Area	**Jobs**
Ames	510
Cedar Rapids	1,954
Davenport-Moline-Rock Island	1,378
Des Moines-West Des Moines	5,791
Dubuque	837

Metropolitan Areas	
Area	**Jobs**
Iowa City	904
Omaha-Council Bluffs	661
Sioux City	993
Waterloo-Cedar Falls	1,074
Rural	6,986

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	510	14	232	27	376	40	347
2	503	15	721	28	257	41	368
3	342	16	527	29	242	42	315
4	411	17	666	30	366	43	245
5	596	18	608	31	483	44	365
6	333	19	358	32	411	45	401
7	452	20	771	33	293	46	327
8	159	21	790	34	284	47	577
9	269	22	612	35	232	48	286
10	500	23	503	36	638	49	515
11	236	24	319	37	666	50	550
12	174	25	362	38	421		
13	198	26	437	39	536		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	165	28	135	55	141	82	145
2	346	29	236	56	116	83	210
3	237	30	485	57	86	84	105
4	266	31	349	58	156	85	139
5	152	32	178	59	215	86	106
6	190	33	376	60	151	87	240
7	176	34	290	61	351	88	124
8	235	35	335	62	132	89	271
9	440	36	273	63	215	90	131
10	156	37	137	64	196	91	120
11	191	38	221	65	171	92	208
12	141	39	535	66	123	93	373
13	155	40	236	67	150	94	204
14	297	41	314	68	134	95	91
15	54	42	476	69	114	96	195
16	105	43	266	70	119	97	181
17	112	44	345	71	491	98	334
18	157	45	278	72	146	99	249
19	245	46	225	73	337	100	301
20	255	47	156	74	329		
21	141	48	162	75	301		
22	95	49	203	76	120		
23	106	50	159	77	338		
24	68	51	157	78	198		
25	124	52	281	79	206		
26	74	53	178	80	140		
27	97	54	198	81	223		

The Building Performance Association (BPA) is a nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more energy-efficient, comfortable, healthy, and safe. Visit www.building-performance.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 August 2025 U.S. Energy and Employment Report, 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.