

Iowa

Energy Efficiency Jobs in America

19,343
Total Jobs

What are EE Jobs?

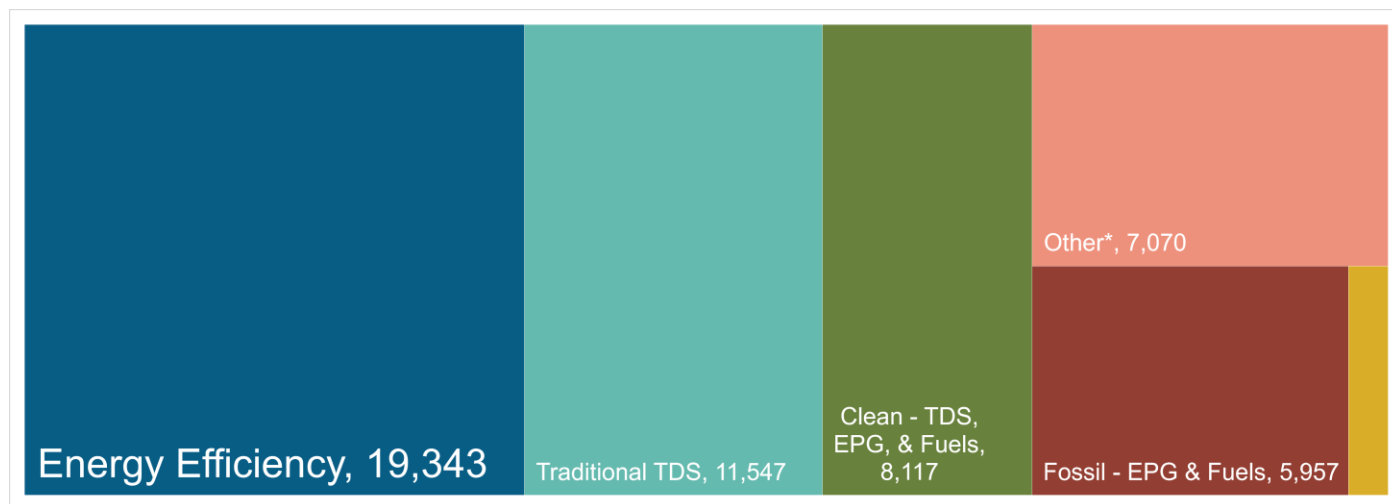
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Iowa?

Energy Efficiency is the largest energy sector in Iowa.



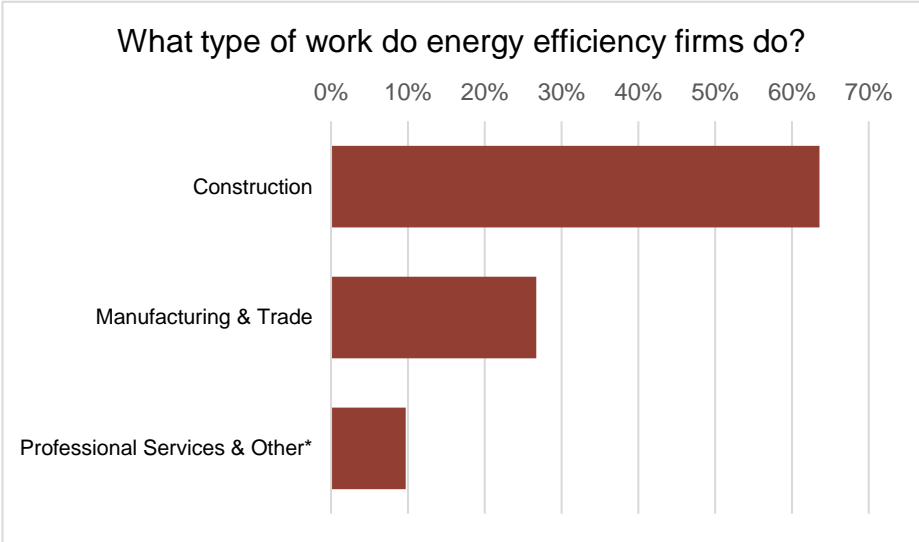
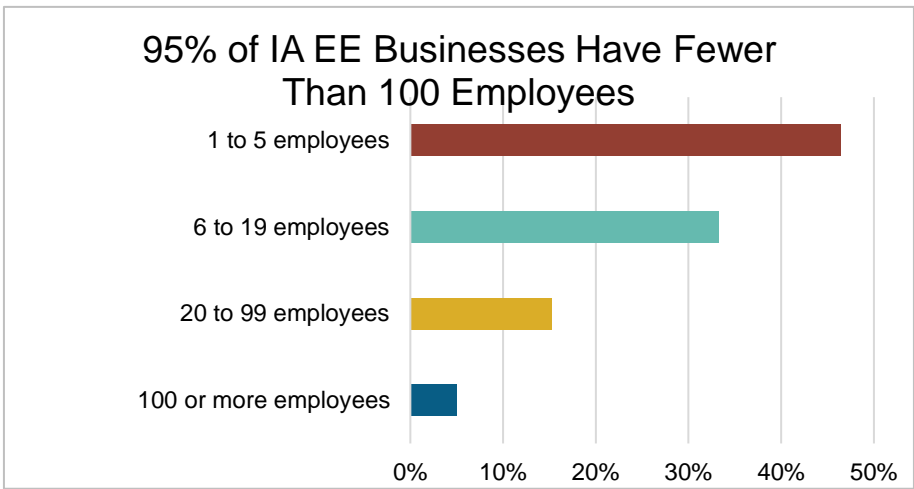
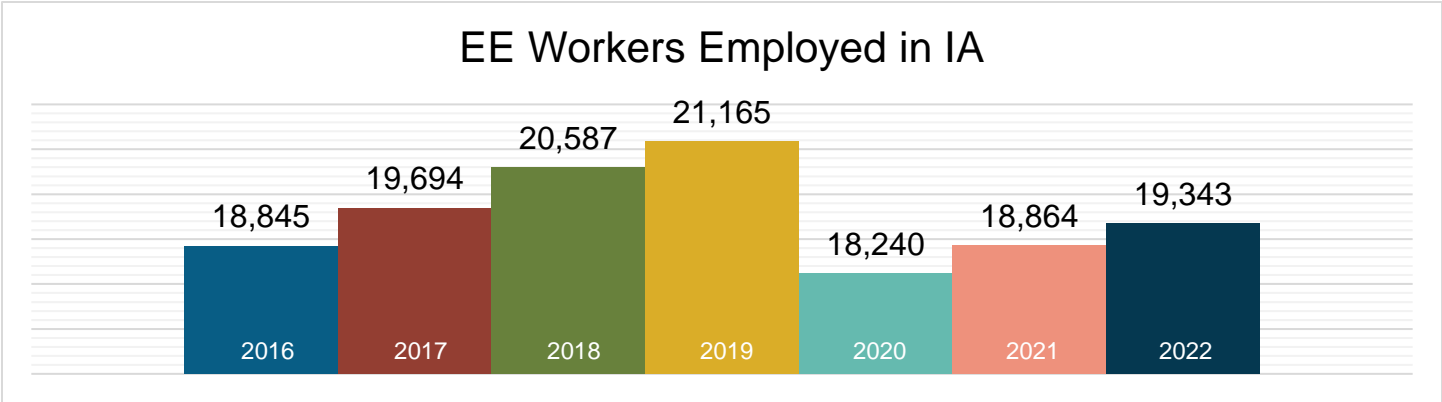
TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 750

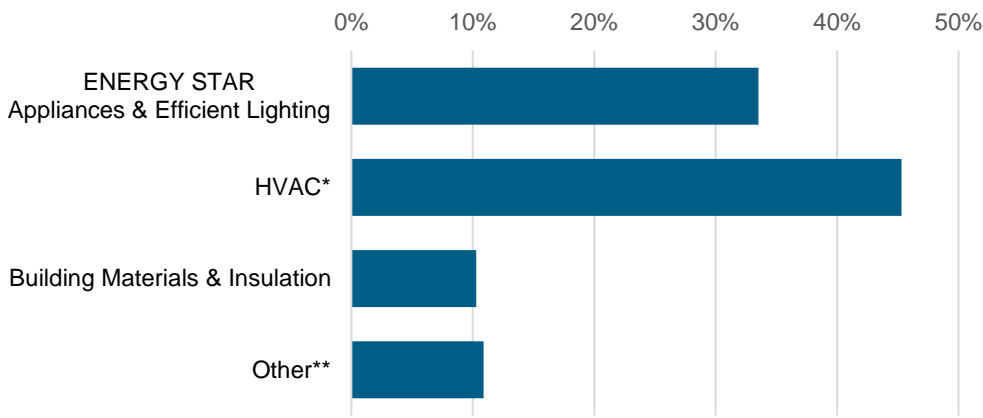
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Iowa?



*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?



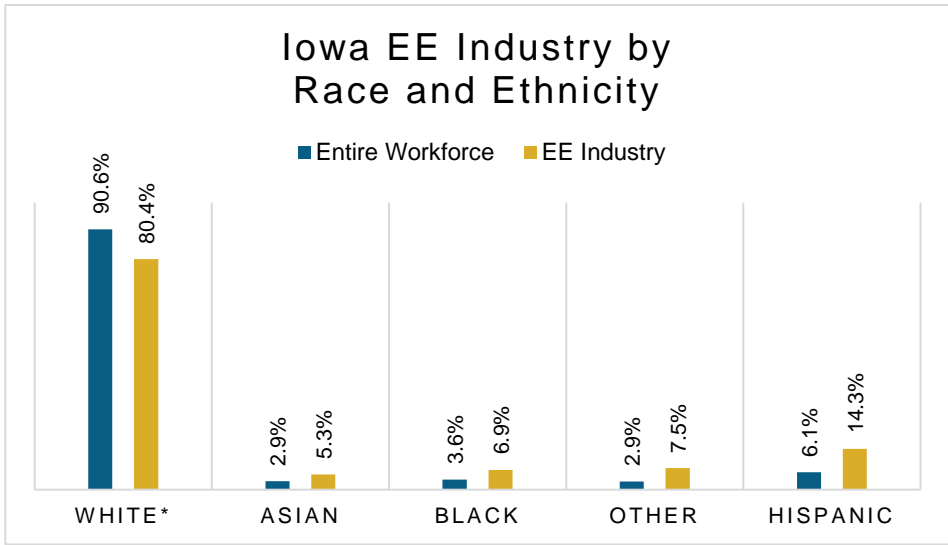
9%
of Iowa
EE workers are
Veterans

*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 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 EE businesses.



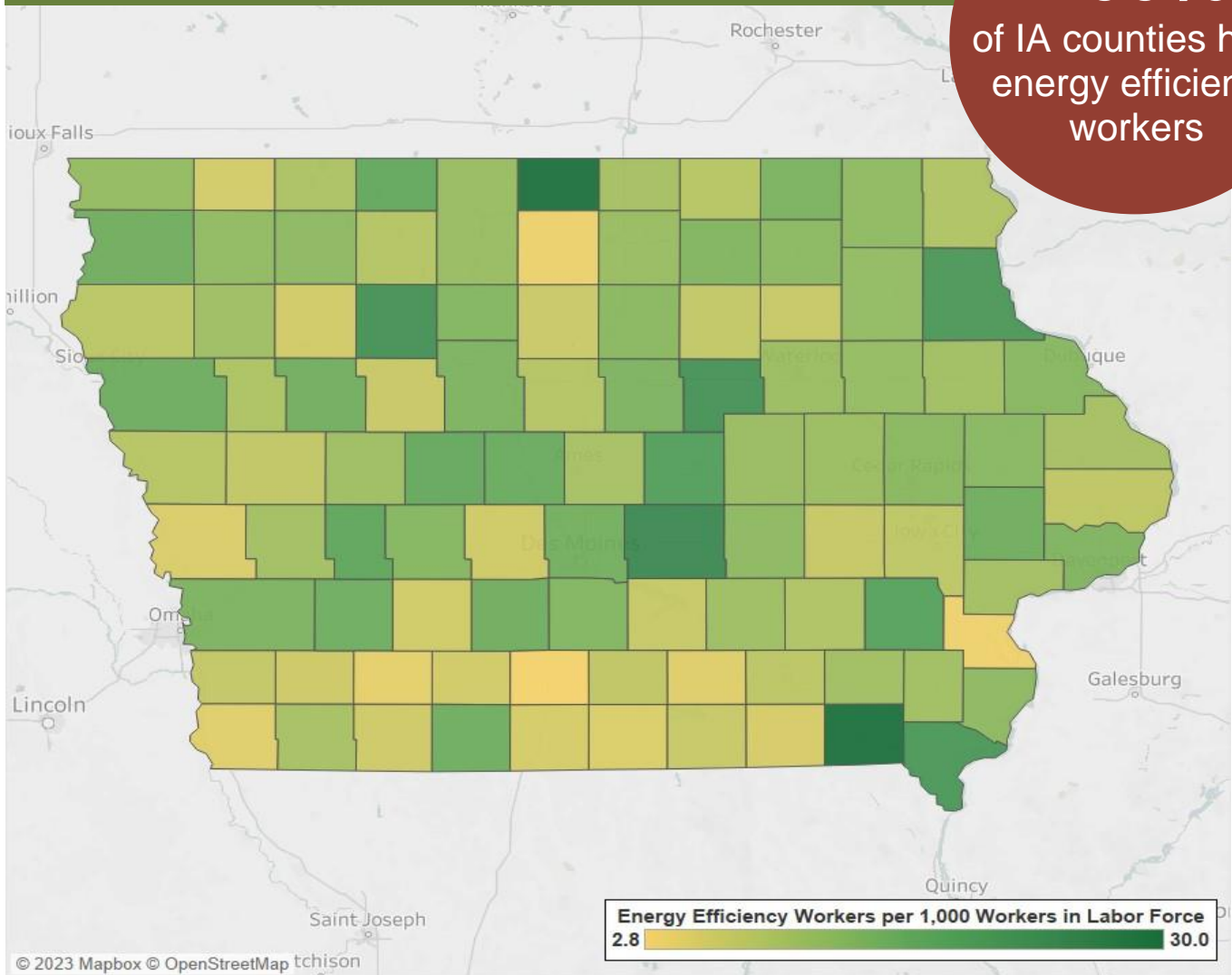
*Includes non-Hispanic and Hispanic whites.



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	Area	Jobs	Area	Jobs
1	5,052	Ames	468	Iowa City	804
2	4,177	Cedar Rapids	1,799	Omaha-Council Bluffs	605
3	5,142	Davenport-Moline-Rock Island	1,262	Sioux City	916
4	4,972	Des Moines-West Des Moines	5,309	Waterloo-Cedar Falls	964
		Dubuque	774	Rural	6,444

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	821	14	506	27	113	40	301
2	408	15	437	28	322	41	407
3	609	16	810	29	895	42	273
4	601	17	168	30	278	43	<10
5	347	18	688	31	203	44	408
6	611	19	148	32	334	45	415
7	48	20	<10	33	1,090	46	270
8	288	21	468	34	169	47	237
9	332	22	62	35	67	48	116
10	1,248	23	497	36	320	49	223
11	246	24	291	37	892	50	<10
12	234	25	524	38	354		
13	255	26	790	39	213		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	513	28	392	55	166	82	347
2	278	29	29	56	154	83	156
3	238	30	407	57	546	84	116
4	168	31	72	58	348	85	<10
5	146	32	741	59	<10	86	<10
6	461	33	96	60	277	87	176
7	433	34	72	61	202	88	233
8	166	35	293	62	<10	89	256
9	224	36	397	63	154	90	158
10	121	37	146	64	179	91	19
11	191	38	<10	65	904	92	250
12	422	39	<10	66	182	93	216
13	48	40	<10	67	155	94	19
14	<10	41	<10	68	15	95	34
15	287	42	468	69	67	96	82
16	<10	43	62	70	<10	97	217
17	175	44	<10	71	233	98	<10
18	156	45	493	72	87	99	<10
19	1,008	46	10	73	551	100	<10
20	236	47	188	74	361		
21	196	48	101	75	273		
22	48	49	83	76	106		
23	98	50	439	77	69		
24	135	51	311	78	142		
25	187	52	476	79	73		
26	67	53	<10	80	226		
27	112	54	112	81	81		



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.



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: 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