Illinois

Energy Efficiency Jobs in America

86,728
Total Jobs

What are EE jobs?

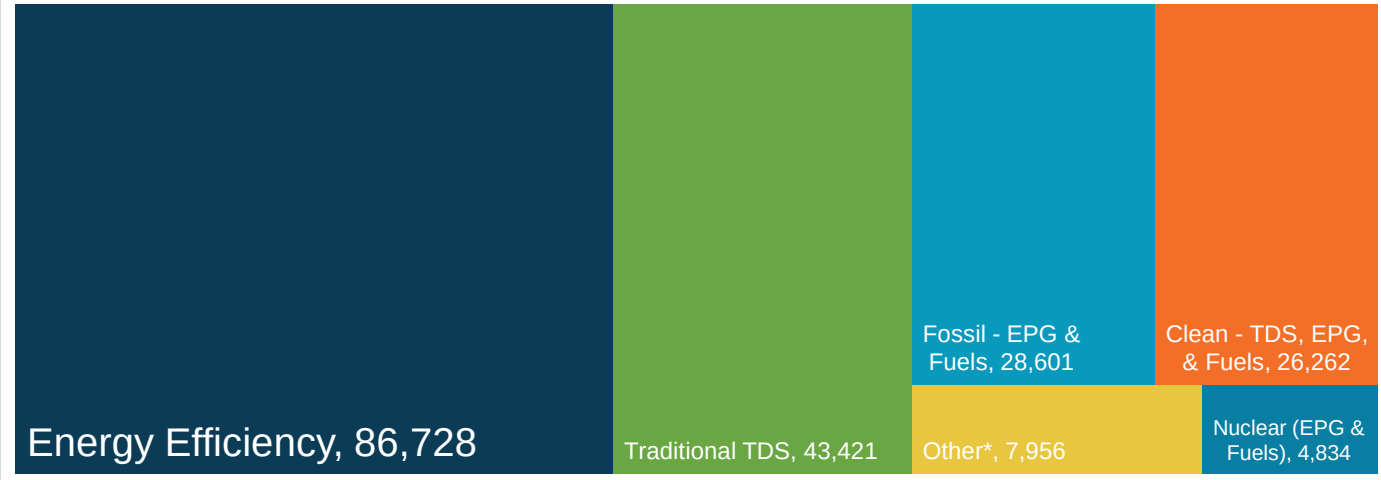
Jobs that deliver goods and services that lower energy use by improving energy efficiency with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Illinois?

Energy efficiency is the largest energy sector in Illinois.

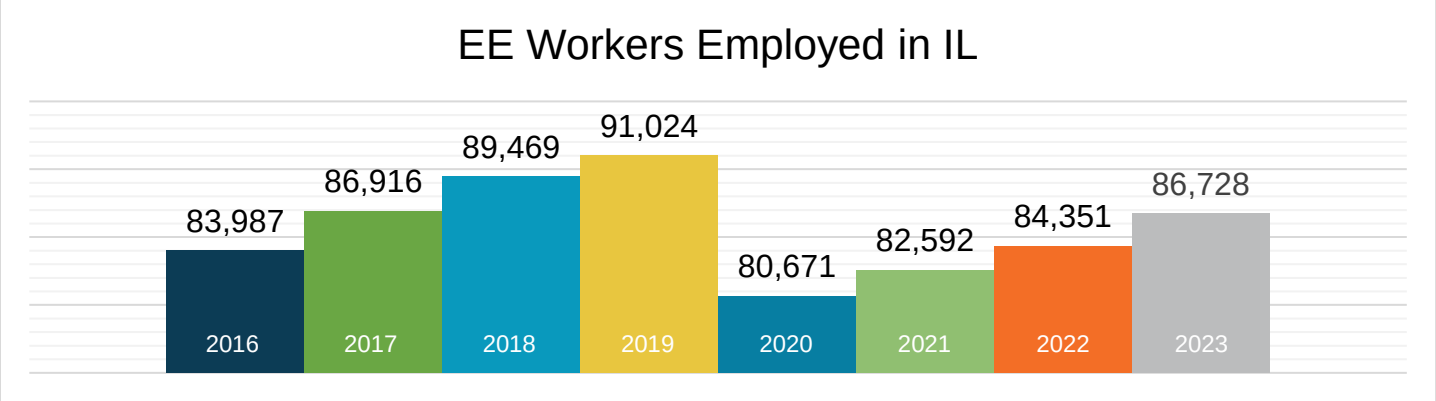


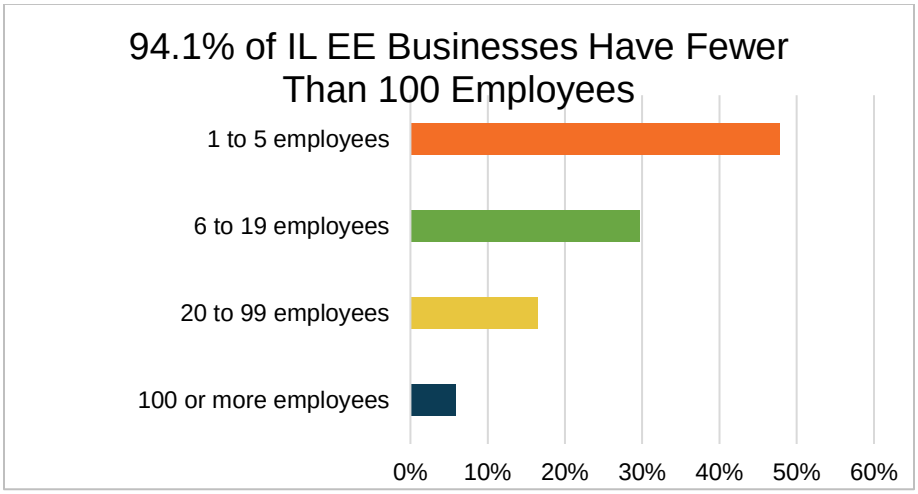
TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Updated April 2025

Presented by:

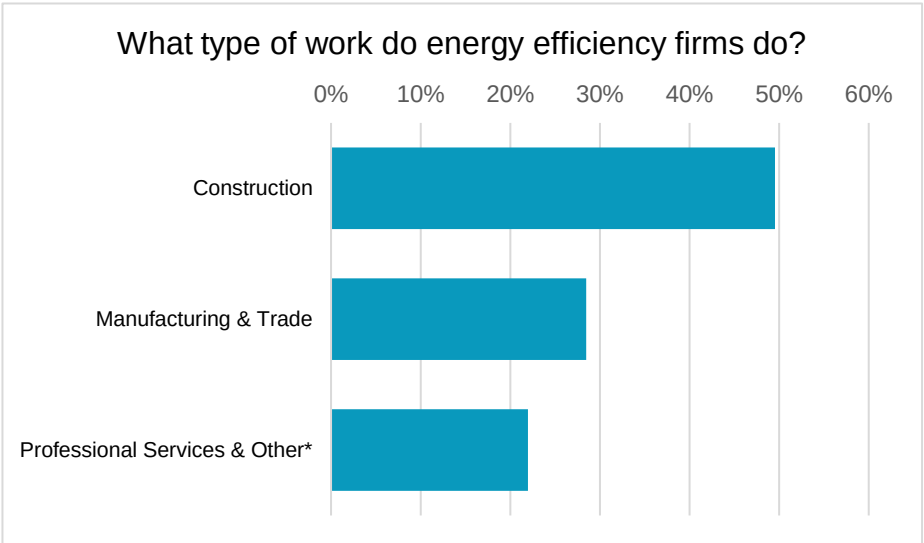
What does EE look like in Illinois?



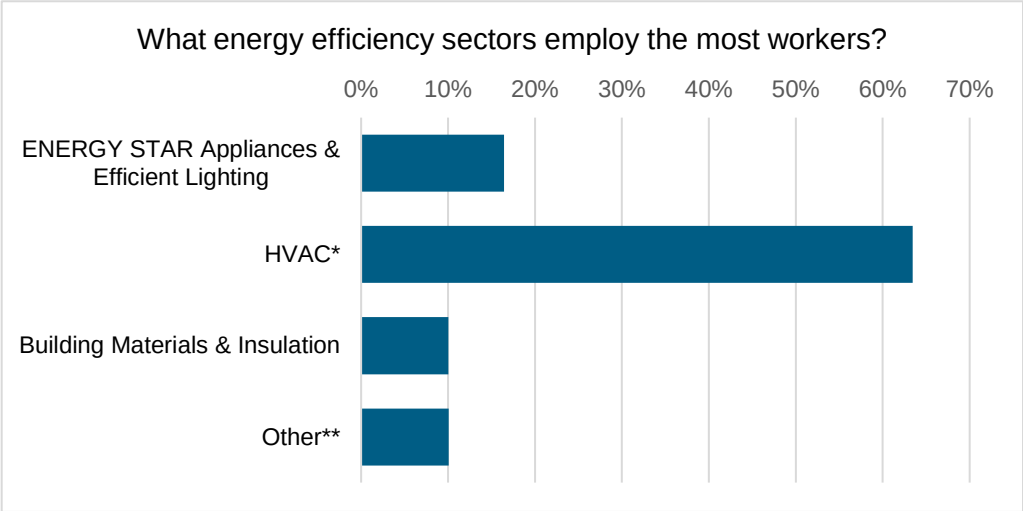


15,556
EE businesses in Illinois

EE construction workers comprise **19%** of Illinois's construction workforce



*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.



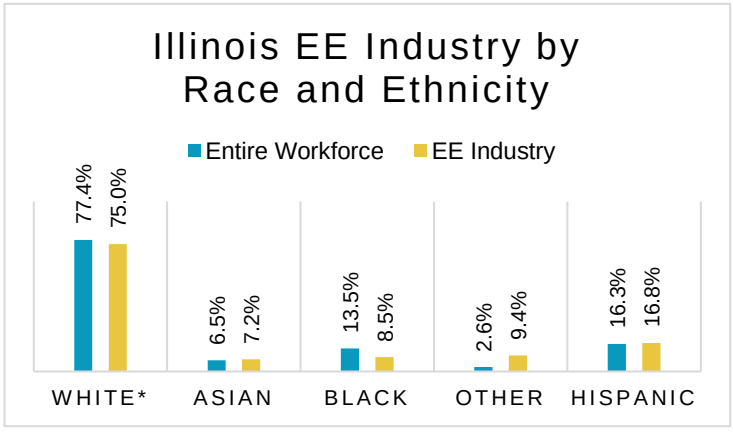
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

9%
of Illinois EE workers are **Veterans**

How is EE doing on diversity in Illinois?

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 Illinois 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 Illinois businesses.

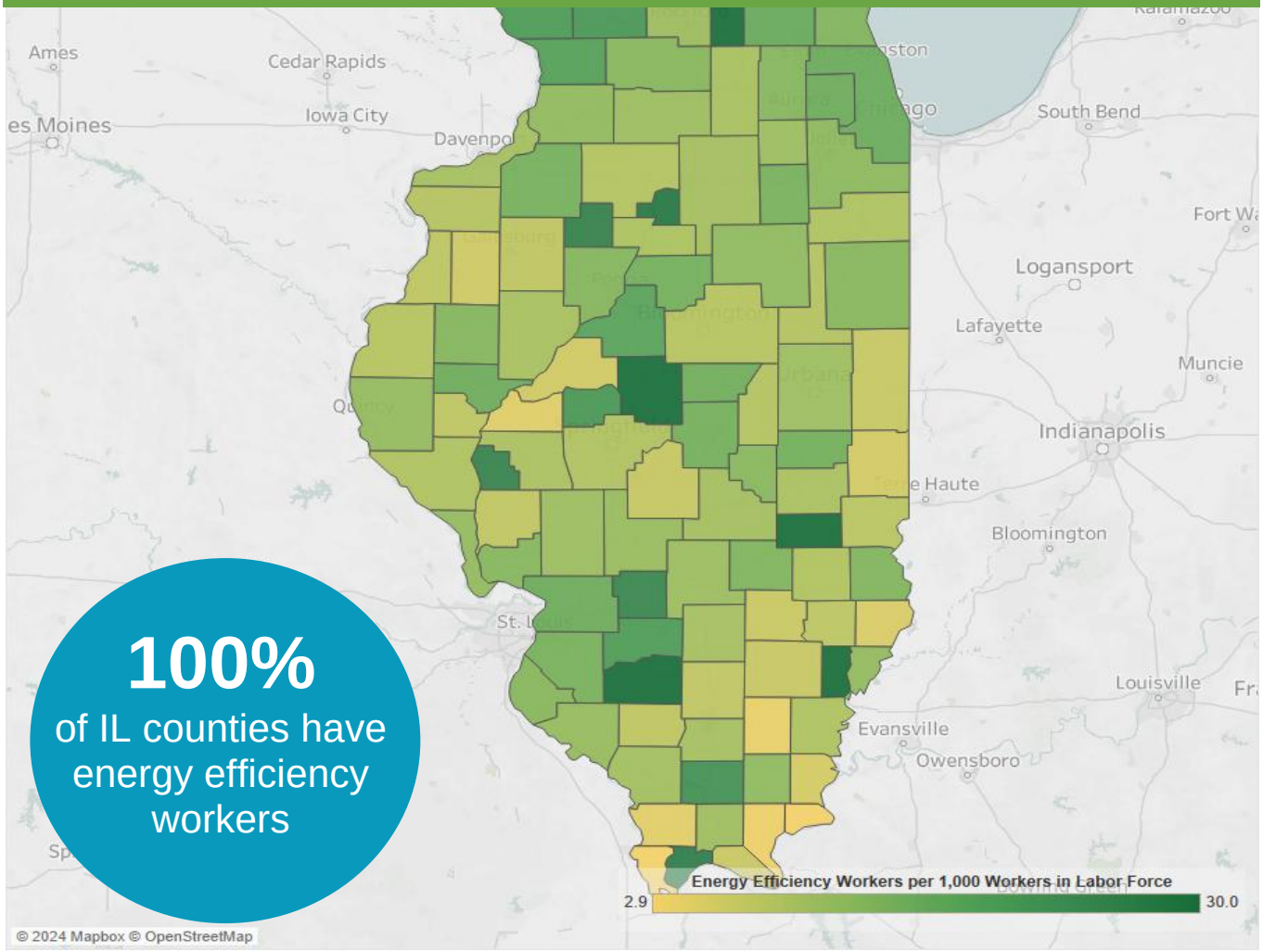


*Includes non-Hispanic and Hispanic whites.

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 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

District	Jobs	District	Jobs
1	3,621	10	4,380
2	3,346	11	5,063
3	6,207	12	7,031
4	5,023	13	3,805
5	7,115	14	4,035
6	5,327	15	5,363
7	5,576	16	6,034
8	5,544	17	3,979
9	5,281		

Metropolitan Areas

Area	Jobs	Area	Jobs
Bloomington	836	Rockford	2,167
Cape Girardeau	<10	Springfield	1,221
Champaign-Urbana	1,095	St. Louis	3,600
Chicago-Naperville-Elgin	63,360	Rural	9,799
Danville	178		
Davenport-Moline-Rock Island	954		
Decatur	670		
Kankakee	386		
Peoria	2,460		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	1,335	16	656	31	719	46	747
2	2,135	17	502	32	918	47	1,112
3	12,533	18	181	33	367	48	2,243
4	2,431	19	1,474	34	1,994	49	99
5	599	20	<10	35	746	50	772
6	1,339	21	3,247	36	1,467	51	1,750
7	630	22	2,642	37	2,299	52	938
8	2,725	23	3,867	38	1,711	53	540
9	2,622	24	2,084	39	372	54	1,799
10	1,121	25	2,791	40	217	55	1,307
11	277	26	3,651	41	626	56	822
12	246	27	2,502	42	<10	57	630
13	138	28	<10	43	636	58	1,248
14	1,975	29	1,016	44	2,391	59	986
15	1,402	30	343	45	797		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	874	32	<10	63	863	94	597
2	454	33	<10	64	50	95	1,073
3	1,190	34	481	65	365	96	1,162
4	934	35	180	66	<10	97	99
5	8,456	36	<10	67	1,217	98	<10
6	4,281	37	1,280	68	767	99	297
7	1,913	38	186	69	304	100	471
8	507	39	<10	70	433	101	709
9	596	40	<10	71	1,144	102	1,033
10	<10	41	1,895	72	317	103	480
11	1,068	42	1,346	73	1,616	104	454
12	270	43	1,771	74	688	105	144
13	428	44	858	75	1,151	106	393
14	201	45	2,536	76	546	107	770
15	2,397	46	1,317	77	<10	108	1,025
16	324	47	2,074	78	363	109	829
17	2,140	48	<10	79	218	110	471
18	469	49	1,514	80	<10	111	386
19	252	50	1,268	81	457	112	433
20	863	51	2,625	82	165	113	456
21	69	52	1,044	83	<10	114	172
22	206	53	1,325	84	<10	115	796
23	245	54	1,172	85	234	116	447
24	<10	55	<10	86	399	117	632
25	137	56	<10	87	1,508	118	350
26	<10	57	<10	88	875		
27	1,451	58	1,012	89	708		
28	514	59	190	90	86		
29	1,221	60	151	91	256		
30	173	61	496	92	491		
31	654	62	220	93	510		

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