

Kentucky

Energy Efficiency Jobs in America

23,435
Total Jobs

What are EE Jobs?

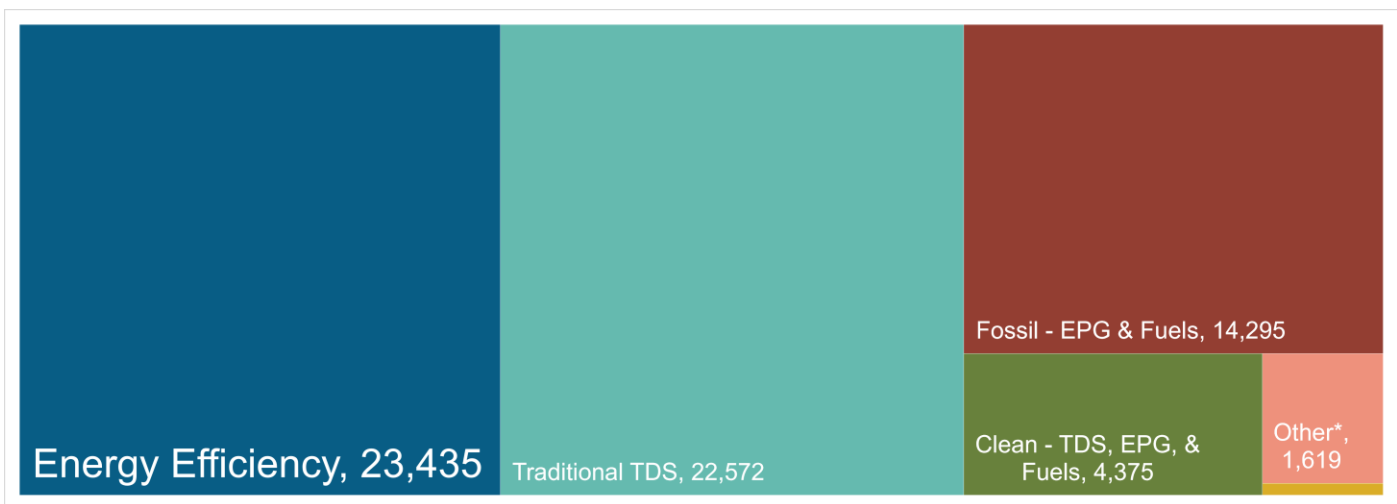
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Kentucky?

Energy Efficiency is the largest energy sector in Kentucky.



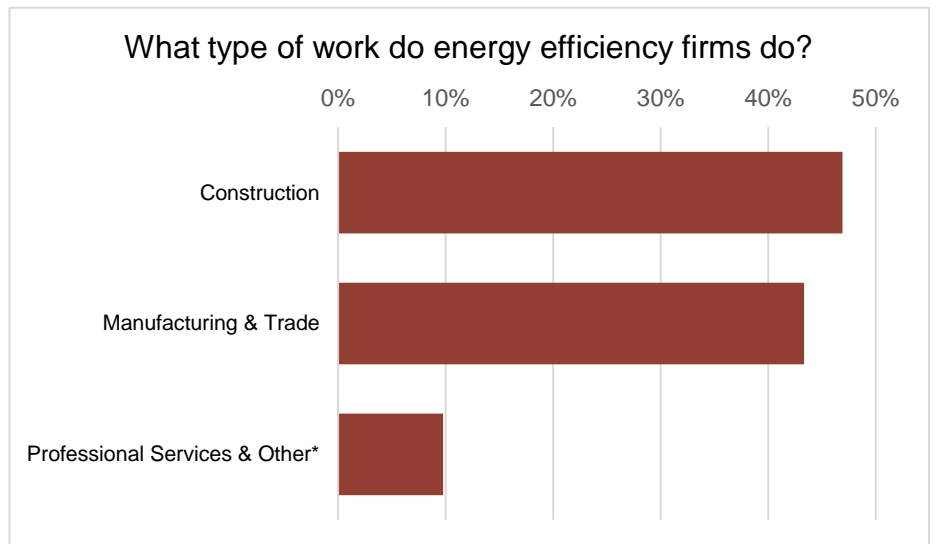
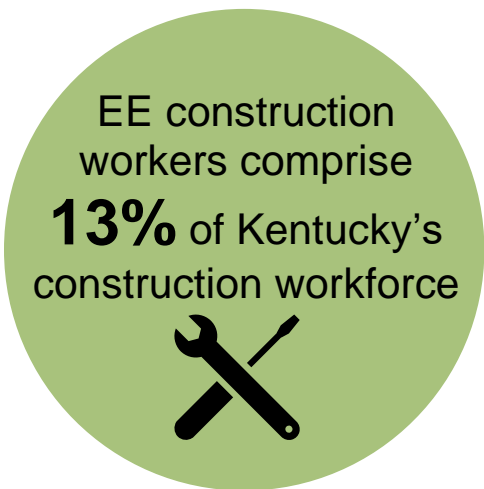
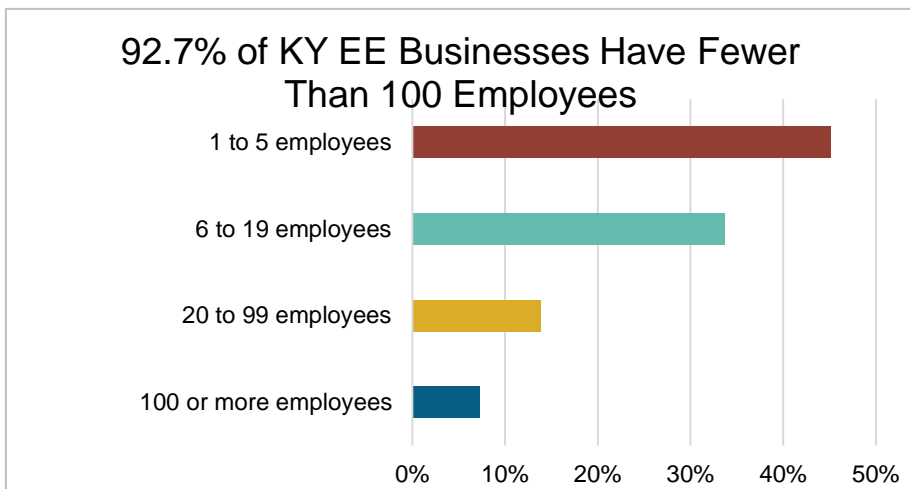
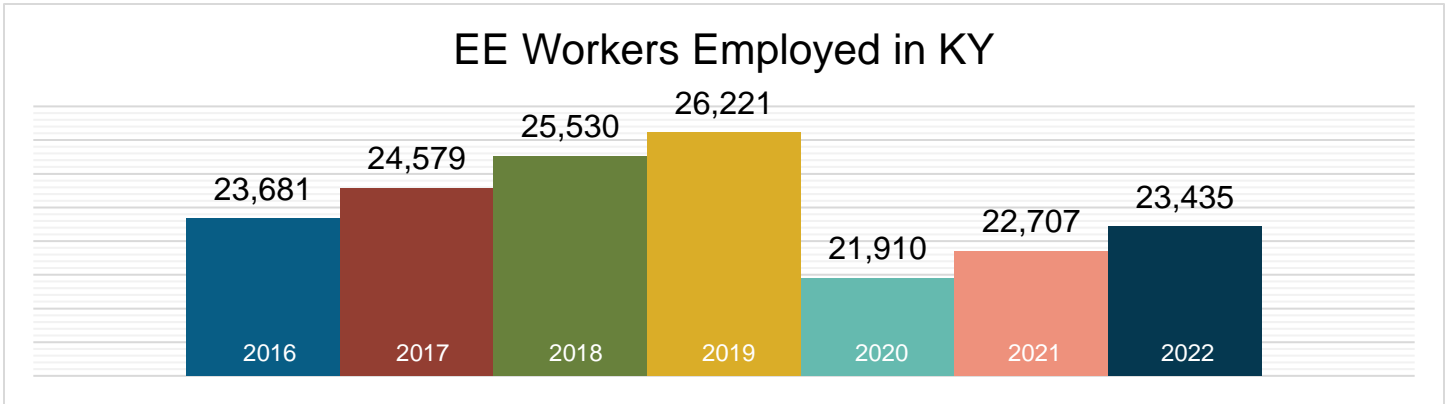
TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 150

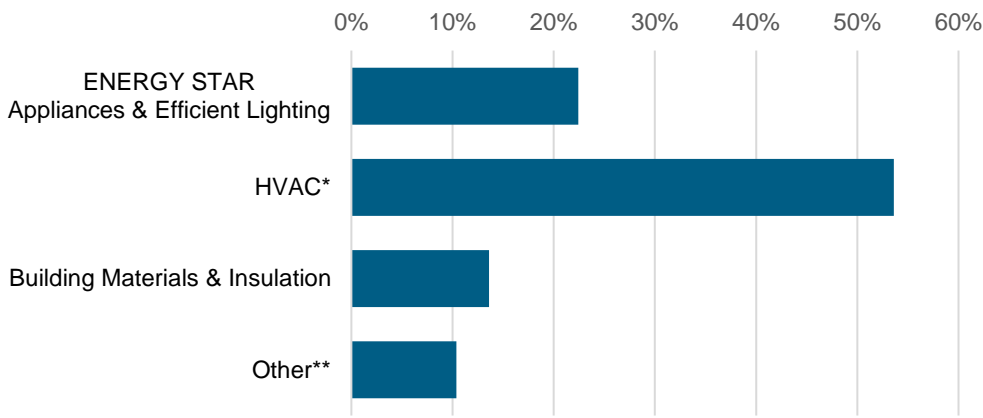
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Kentucky?



*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?



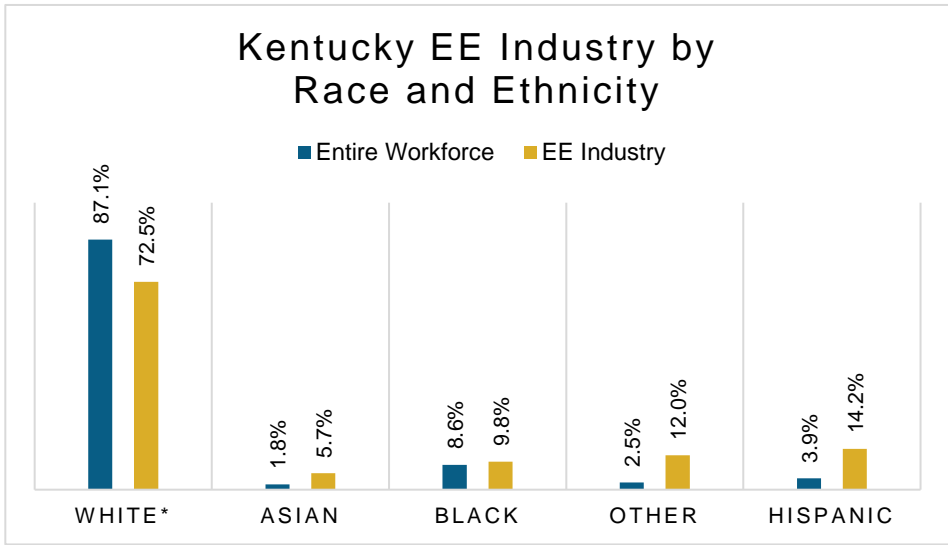
9%
of Kentucky
EE workers are
Veterans

*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

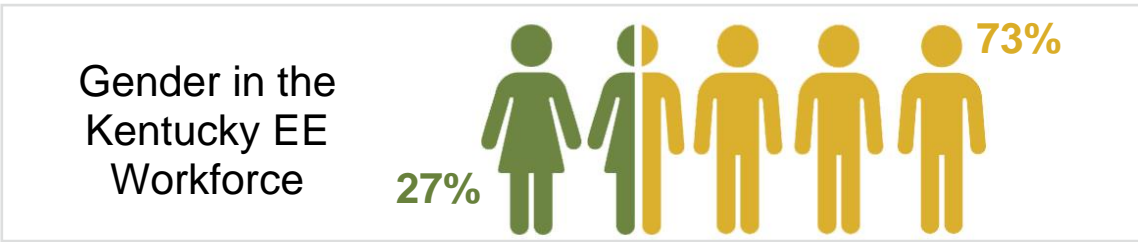
How is EE doing on diversity in Kentucky?

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 Kentucky 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.



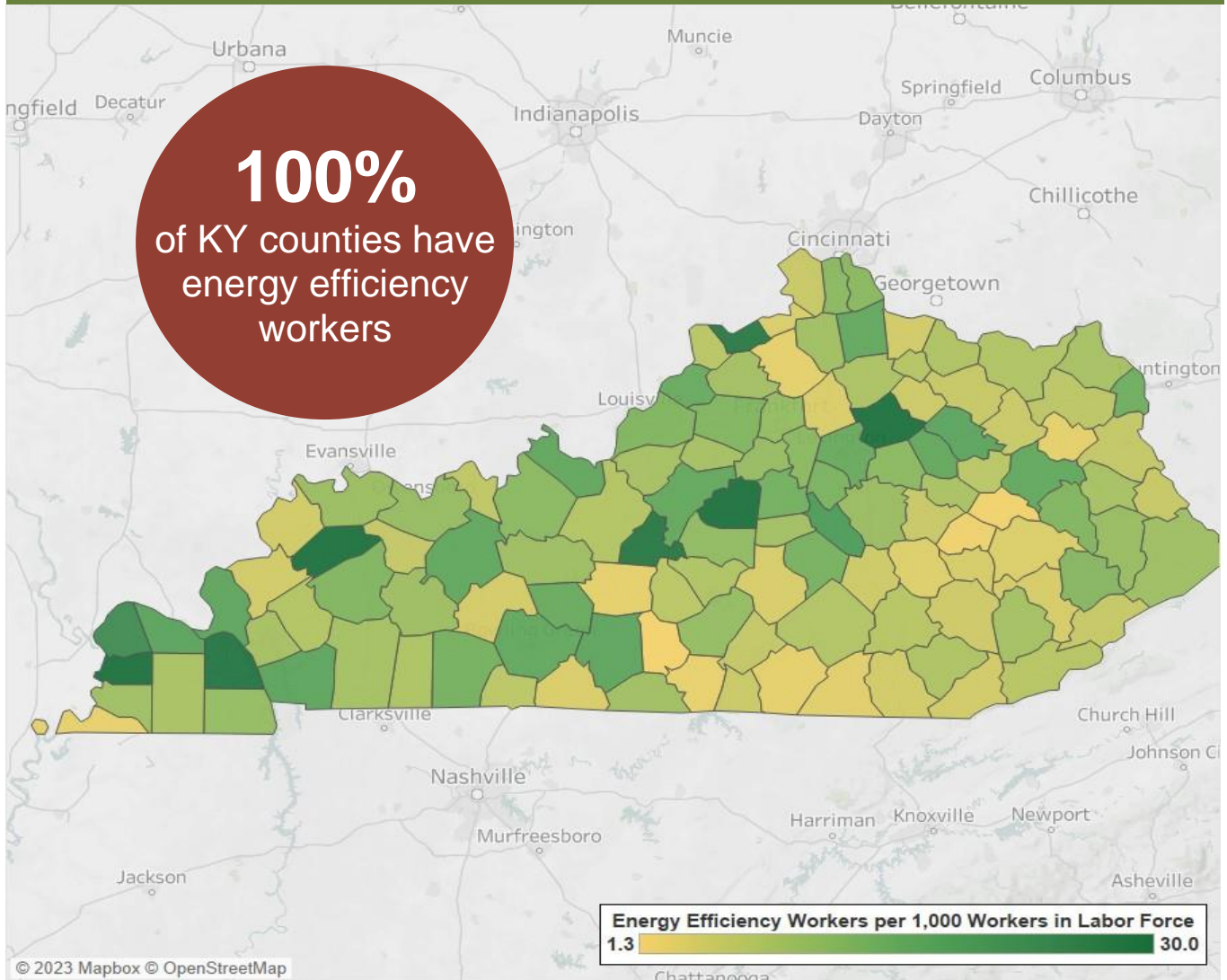
*Includes non-Hispanic and Hispanic whites.



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	4,300	Bowling Green	1,187	Lexington-Fayette	3,977
2	4,344	Cincinnati	1,918	Louisville/Jefferson County	7,046
3	5,015	Clarksville	336	Owensboro	524
4	3,780	Elizabethtown-Fort Knox	511	Rural	7,304
5	2,504	Evansville	189		
6	3,493	Huntington-Ashland	441		

State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	657	11	891	21	763	31	428
2	828	12	1,209	22	438	32	125
3	631	13	1,056	23	280	33	1,634
4	679	14	1,498	24	443	34	335
5	1,142	15	605	25	179	35	67
6	482	16	413	26	644	36	401
7	690	17	609	27	394	37	106
8	322	18	597	28	203	38	204
9	572	19	1,962	29	533		
10	594	20	595	30	231		

State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	778	28	296	55	246	82	280
2	459	29	738	56	320	83	82
3	<10	30	742	57	<10	84	245
4	375	31	447	58	39	85	185
5	80	32	784	59	25	86	47
6	113	33	410	60	649	87	67
7	867	34	276	61	393	88	<10
8	29	35	137	62	14	89	14
9	225	36	19	63	723	90	59
10	794	37	25	64	148	91	115
11	<10	38	130	65	13	92	336
12	37	39	742	66	<10	93	93
13	<10	40	117	67	217	94	63
14	108	41	1,417	68	26	95	196
15	117	42	<10	69	<10	96	227
16	785	43	<10	70	274	97	135
17	344	44	<10	71	490	98	372
18	33	45	279	72	560	99	61
19	52	46	<10	73	203	100	<10
20	<10	47	639	74	84		
21	197	48	135	75	735		
22	60	49	57	76	289		
23	251	50	210	77	<10		
24	291	51	184	78	<10		
25	<10	52	579	79	<10		
26	488	53	262	80	33		
27	64	54	208	81	<10		



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