

# Kentucky

## Energy Efficiency Jobs in America



25,562  
Total Jobs

### What are EE jobs?

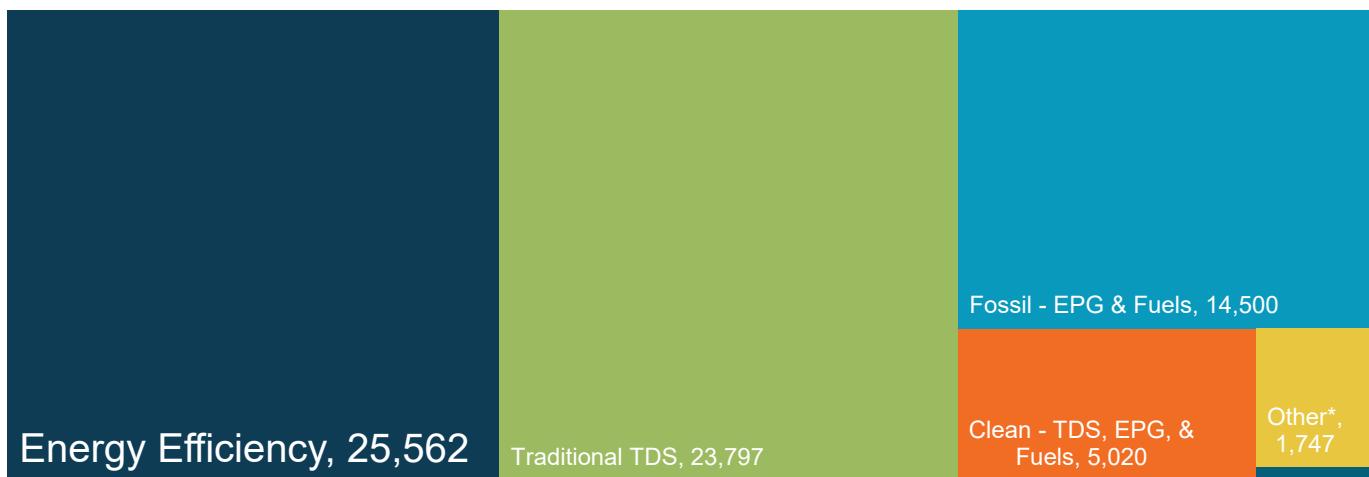
*Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.*

### 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 Kentucky?

*Energy efficiency is the largest energy sector in Kentucky.*



TDS = Transmission, Distribution, & Storage

EPG = Electric Power Generation

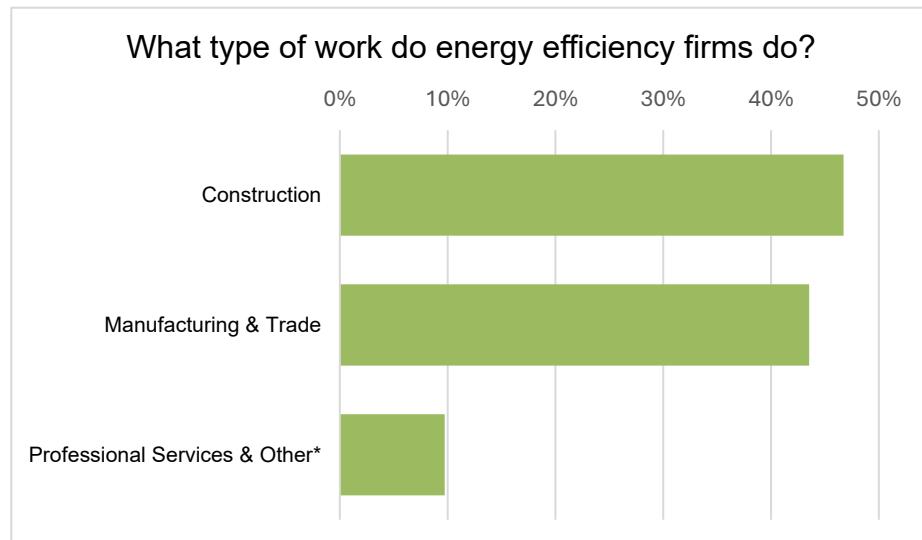
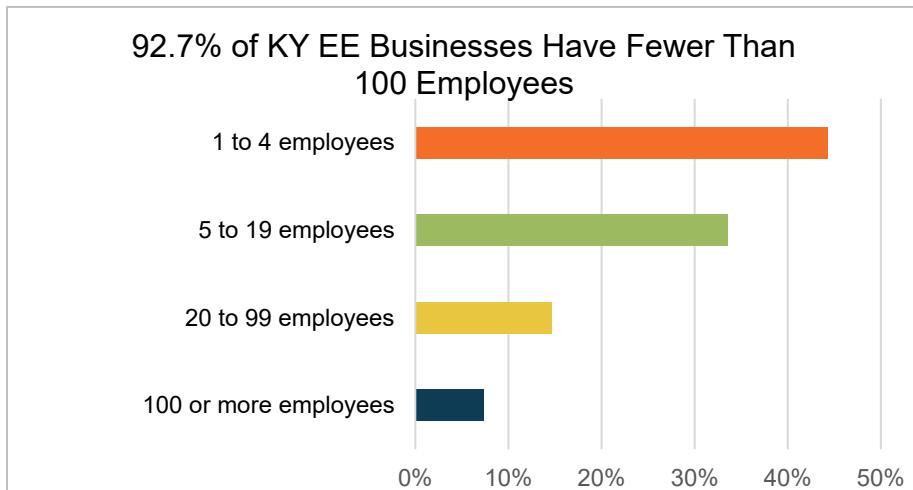
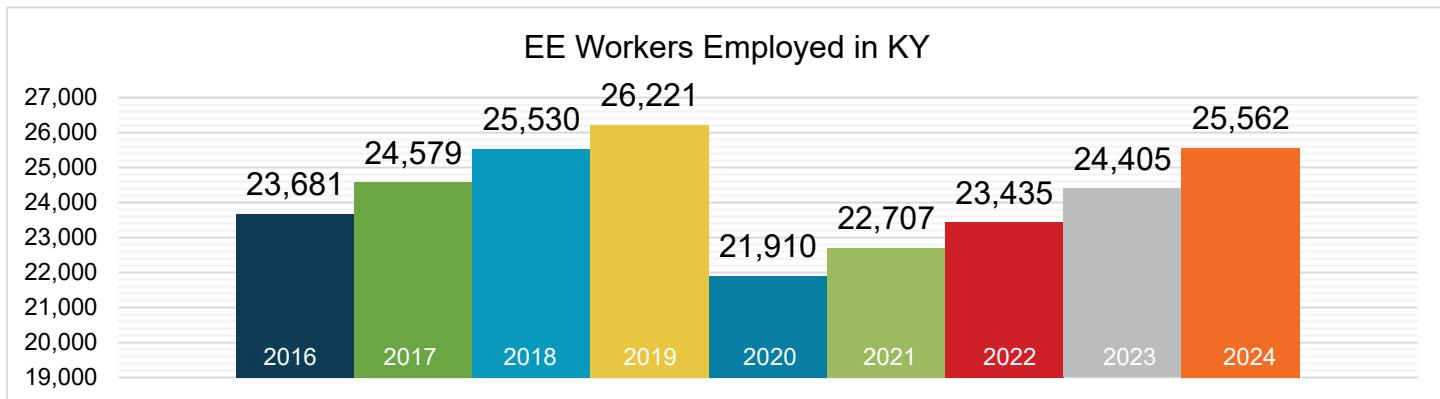
\*\*Nuclear - EPG & Fuels = 162

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

Presented by:

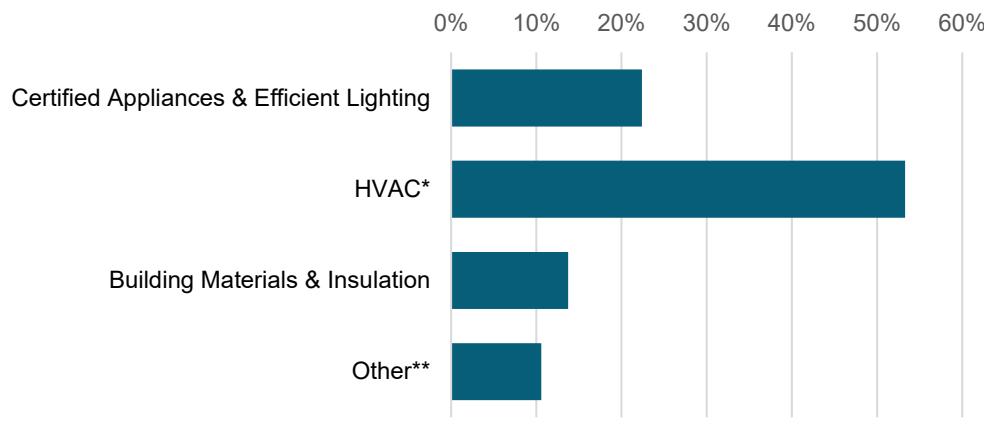


## What does EE look like in Kentucky?



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

## What energy efficiency sectors employ the most workers?



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

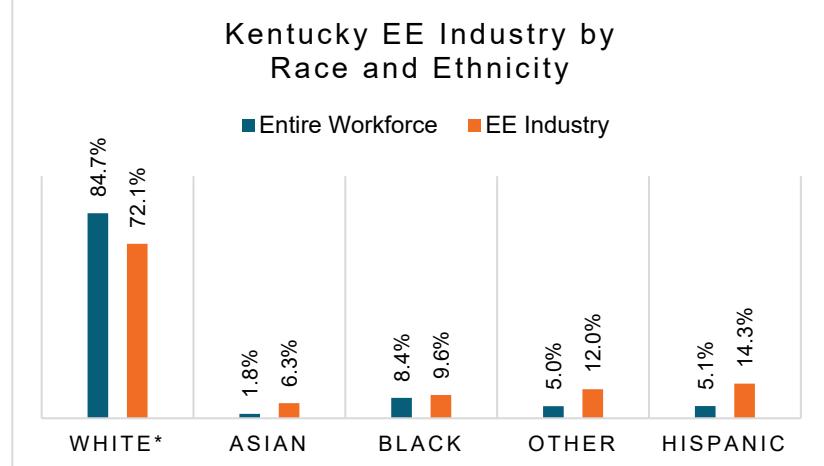
**9%**  
of Kentucky  
EE workers are  
veterans



## How representative is the EE workforce in Kentucky?

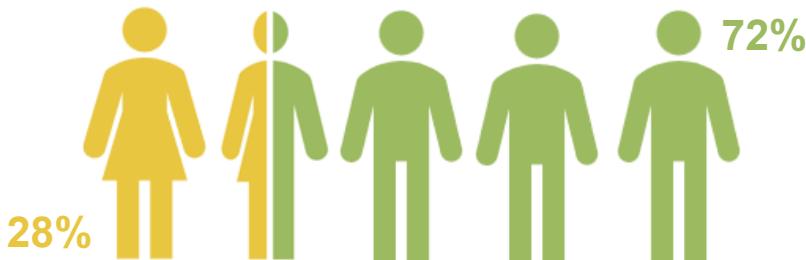
*Demographic data is critical to measure progress towards a more representative EE workforce. Tracking this data helps show how well Kentucky's EE workforce reflects the communities it serves and where gaps remain.*

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



\*Includes non-Hispanic and Hispanic whites.

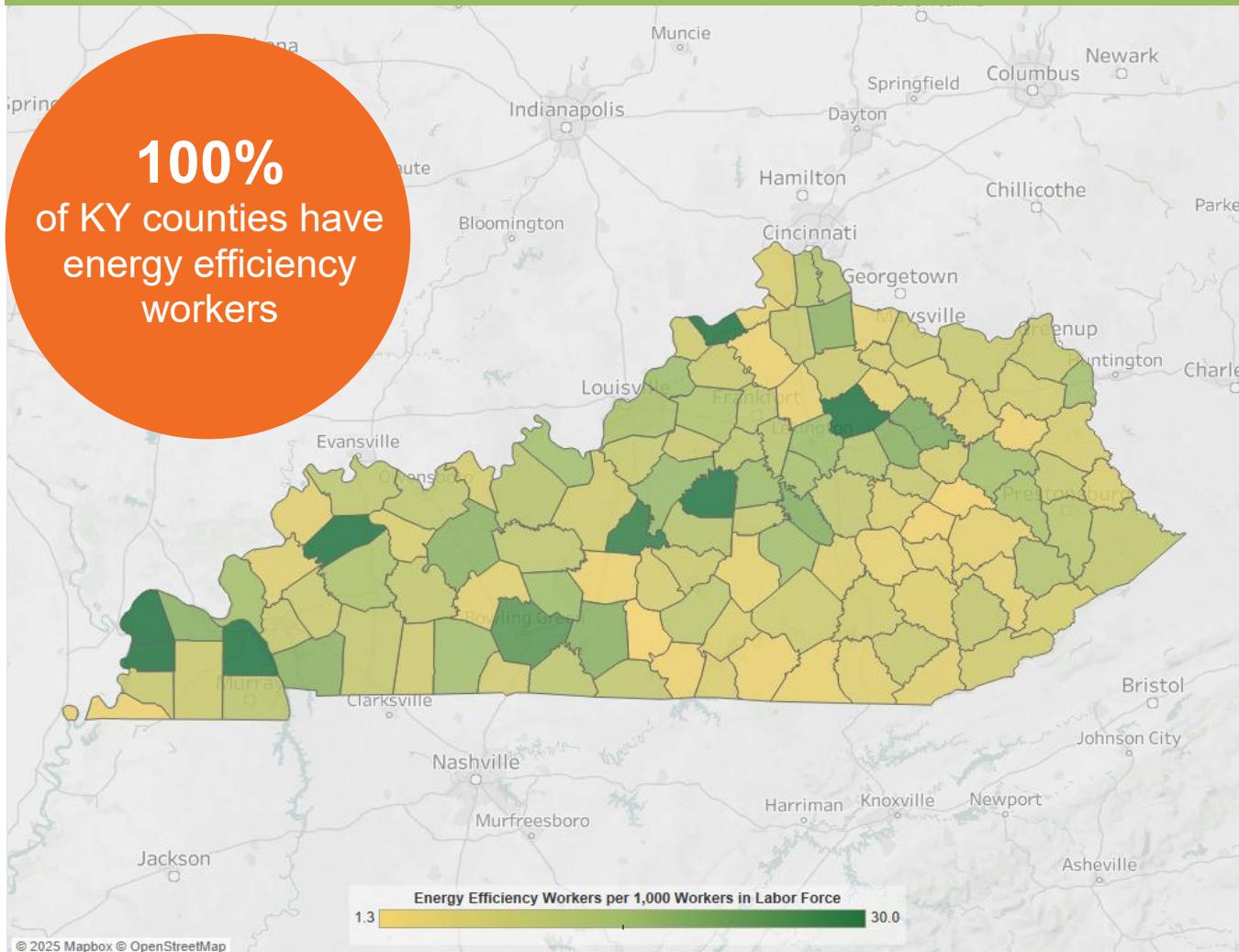
## Gender in the Kentucky EE Workforce



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



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		Metropolitan Areas			
District	Jobs	Area	Jobs	Area	Jobs
1	3,988	Bowling Green	1,816	Lexington-Fayette	4,239
2	4,299	Cincinnati	2,062	Louisville/Jefferson County	7,549
3	6,553	Clarksville	357	Owensboro	557
4	3,435	Elizabethtown-Fort Knox	544	Rural	7,768
5	2,042	Evansville	201		
6	5,246	Huntington-Ashland	469		

### State Senate

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	395	11	603	21	316	31	312
2	1,285	12	973	22	1,118	32	803
3	444	13	871	23	726	33	1,235
4	595	14	669	24	460	34	869
5	374	15	305	25	186	35	1,017
6	759	16	567	26	756	36	1,186
7	671	17	391	27	834	37	834
8	573	18	544	28	721	38	531
9	1,247	19	786	29	279		
10	392	20	733	30	206		

### State House of Representatives

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	204	28	567	55	221	82	77
2	107	29	350	56	164	83	162
3	749	30	294	57	394	84	67
4	246	31	781	58	235	85	177
5	184	32	285	59	156	86	85
6	372	33	331	60	389	87	80
7	234	34	449	61	76	88	512
8	289	35	506	62	126	89	50
9	105	36	339	63	258	90	119
10	119	37	322	64	338	91	42
11	207	38	407	65	149	92	88
12	165	39	245	66	214	93	777
13	219	40	314	67	139	94	105
14	245	41	341	68	274	95	219
15	100	42	453	69	158	96	77
16	181	43	355	70	131	97	97
17	869	44	382	71	152	98	68
18	106	45	293	72	266	99	118
19	148	46	164	73	177	100	426
20	779	47	293	74	240		
21	99	48	378	75	572		
22	130	49	125	76	278		
23	296	50	316	77	671		
24	110	51	223	78	118		
25	188	52	46	79	303		
26	195	53	80	80	113		
27	174	54	171	81	273		





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](http://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](http://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](mailto:communications@building-performance.org).

