

# West Virginia

## Energy Efficiency Jobs in America



7,242  
Total Jobs

### What are EE jobs?

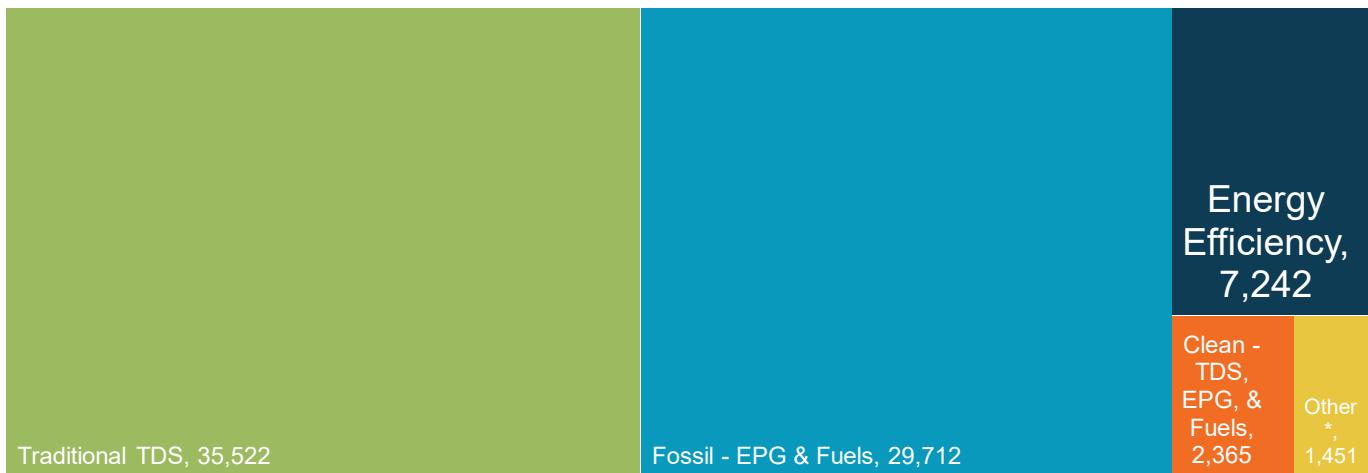
*Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.*

### 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 West Virginia?

*Energy efficiency is the third largest energy sector in West Virginia.*



TDS = Transmission, Distribution, & Storage

EPG = Electric Power Generation

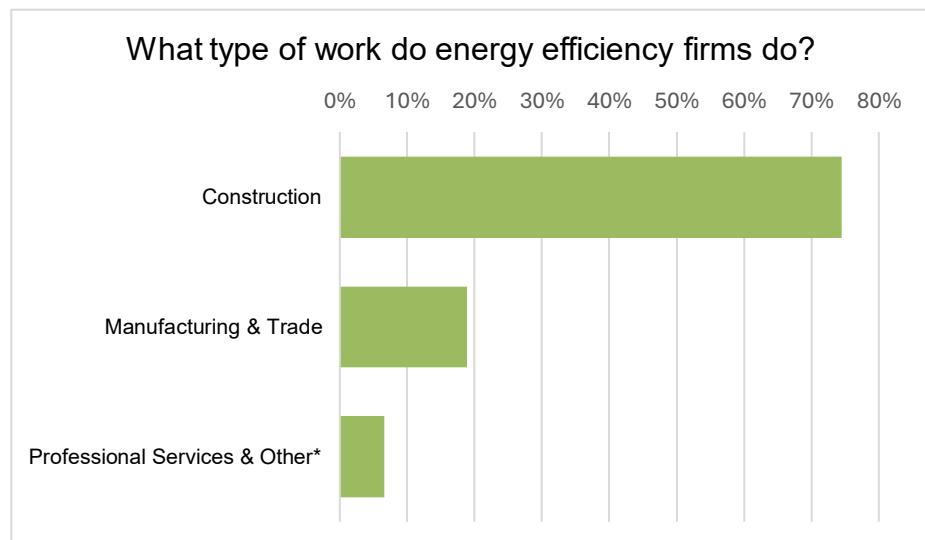
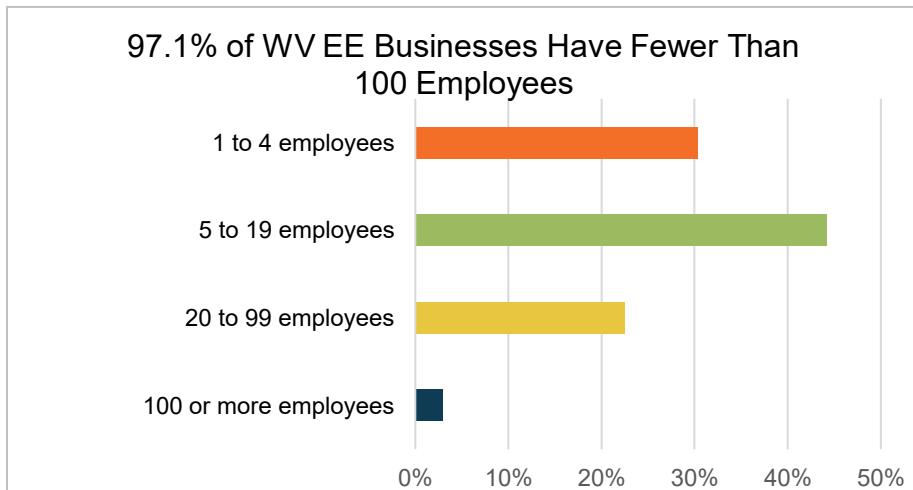
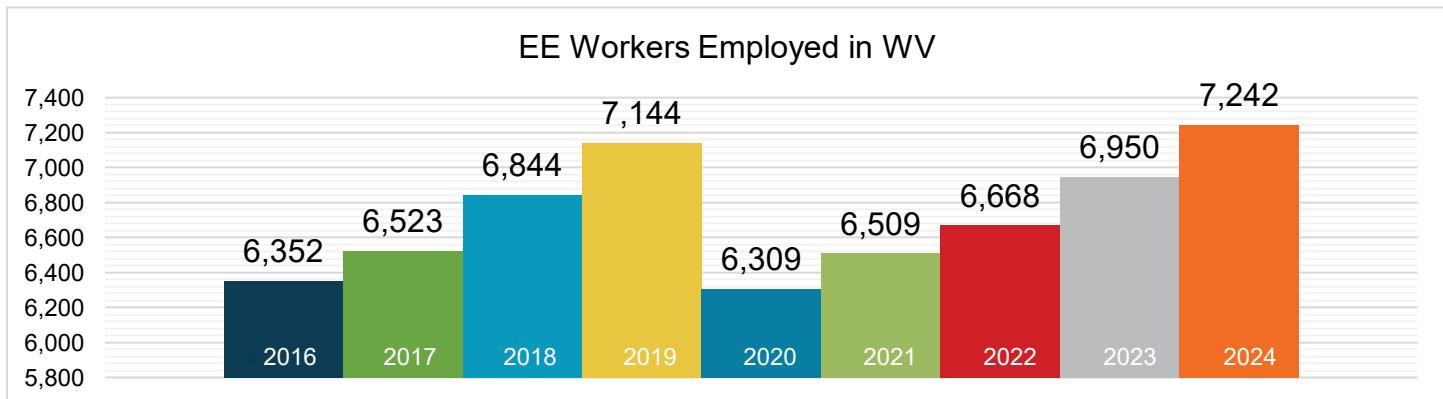
\*\*Nuclear - EPG & Fuels = 12

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

Presented by:

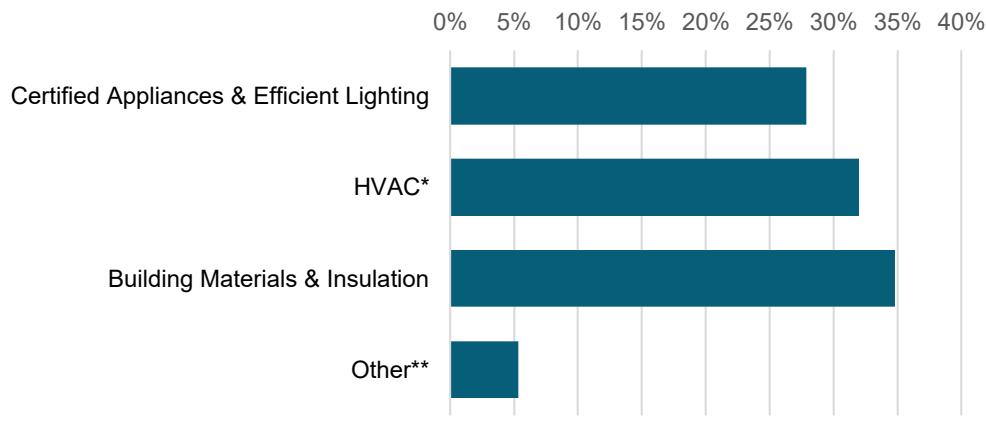


## What does EE look like in West Virginia?



\*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

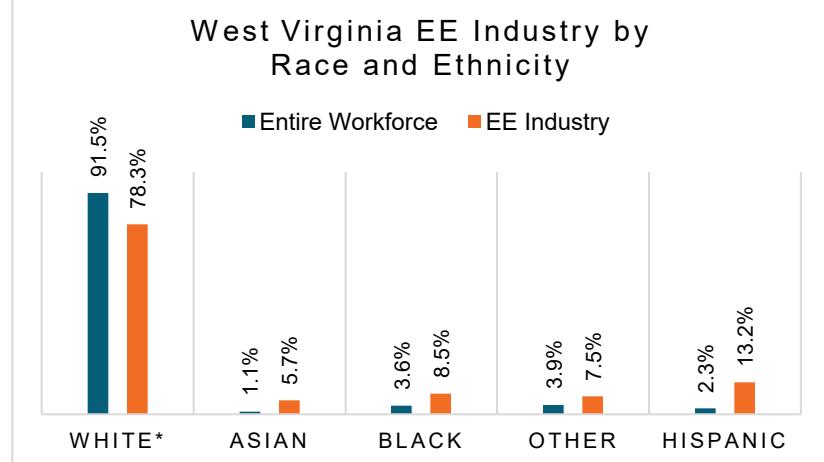
**13%**  
of West Virginia  
EE workers are  
veterans



## How representative is the EE workforce in West Virginia?

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

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



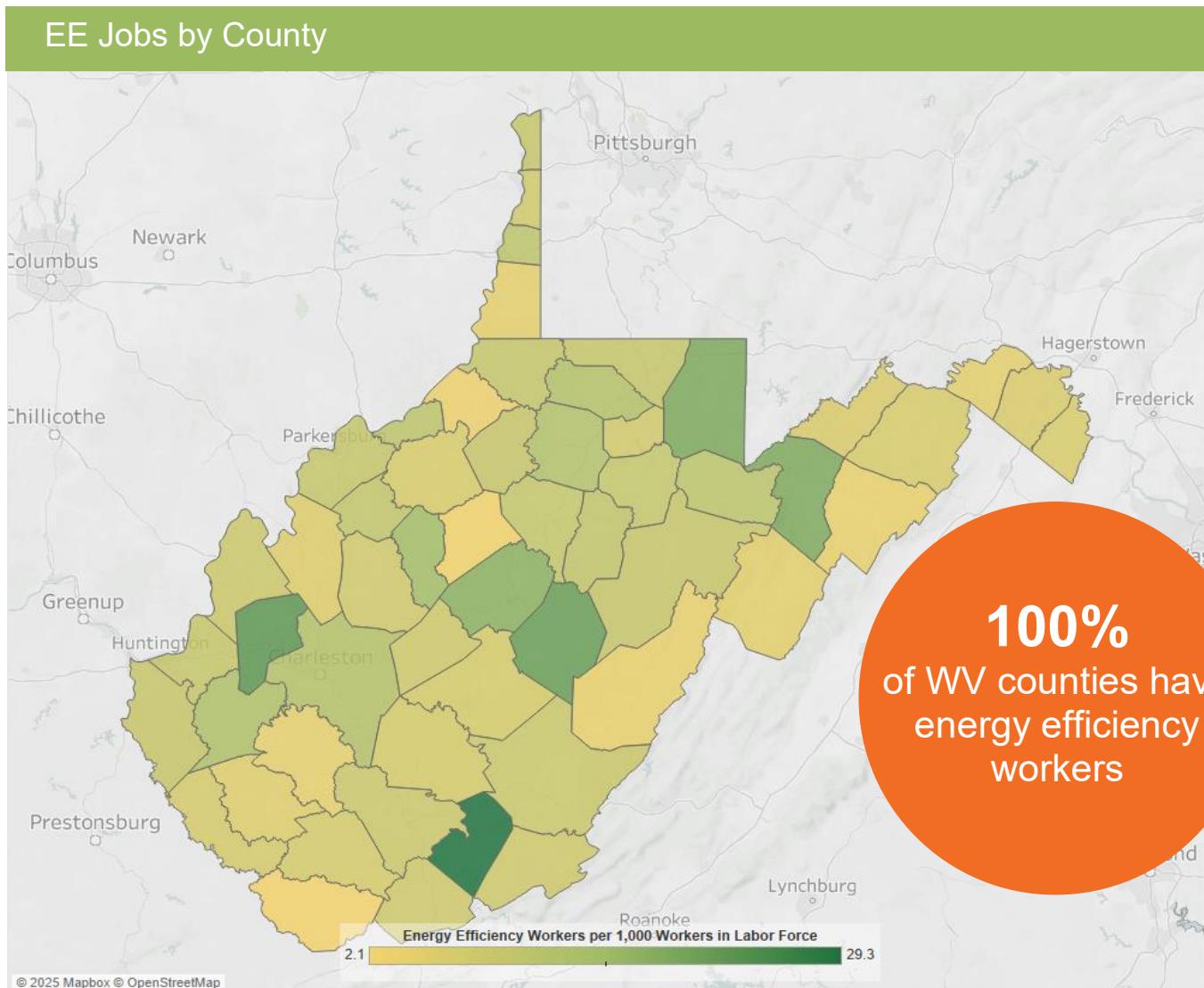
\*Includes non-Hispanic and Hispanic whites.

## Gender in the West Virginia 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



Congressional		Metropolitan Areas			
District	Jobs	Area	Jobs	Area	Jobs
1	3,773	Charleston	1,253	Washington-Arlington-Alexandria	115
2	3,469	Cumberland	57	Weirton-Steubenville	141
		Hagerstown-Martinsburg	246	Wheeling	351
		Huntington-Ashland	1,093	Winchester	29
		Morgantown	709	Rural	2,902
		Parkersburg-Vienna	348		

State Senate										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	484		6	240		11	357		16	237
2	217		7	199		12	598		17	788
3	422		8	620		13	746			
4	569		9	368		14	366			
5	521		10	312		15	198			

State House of Delegates										
District	Jobs		District	Jobs		District	Jobs		District	Jobs
1	37		28	24		55	74		82	<10
2	62		29	29		56	203		83	77
3	63		30	31		57	118		84	74
4	37		31	29		58	167		85	106
5	277		32	21		59	140		86	27
6	43		33	40		60	104		87	45
7	41		34	30		61	102		88	21
8	31		35	29		62	35		89	28
9	50		36	<10		63	74		90	45
10	44		37	63		64	62		91	30
11	53		38	90		65	84		92	34
12	73		39	21		66	32		93	33
13	149		40	64		67	82		94	<10
14	45		41	68		68	44		95	77
15	33		42	53		69	54		96	59
16	30		43	42		70	225		97	<10
17	35		44	130		71	112		98	32
18	56		45	53		72	123		99	42
19	130		46	41		73	29		100	45
20	150		47	89		74	180			
21	218		48	52		75	27			
22	117		49	37		76	29			
23	90		50	34		77	40			
24	44		51	33		78	216			
25	164		52	110		79	112			
26	124		53	125		80	13			
27	40		54	164		81	229			





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).

