Maryland

Energy Efficiency Jobs in America

67,095
Total Jobs

What are EE jobs?

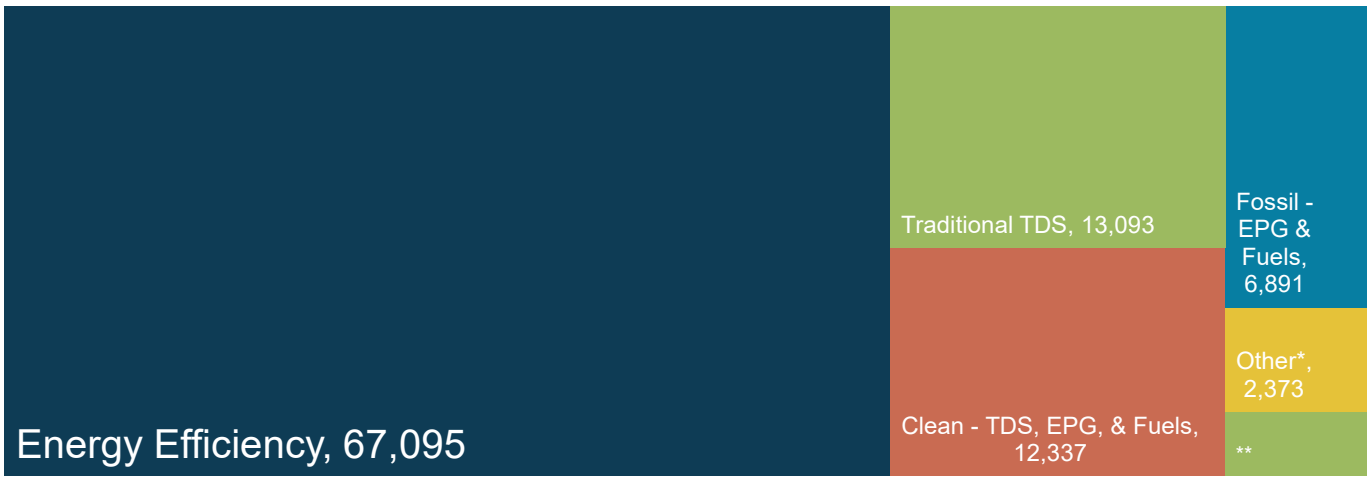
Jobs that reduce energy use by improving efficiency in appliances, buildings, data systems, financing, new technologies, and more.

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 Maryland?

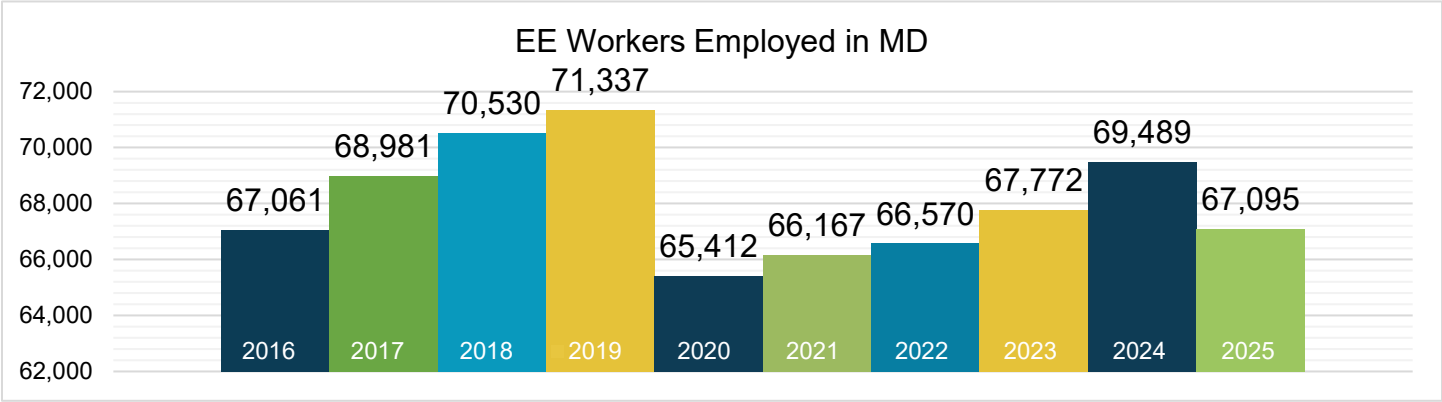
Energy efficiency is the largest energy sector in Maryland.

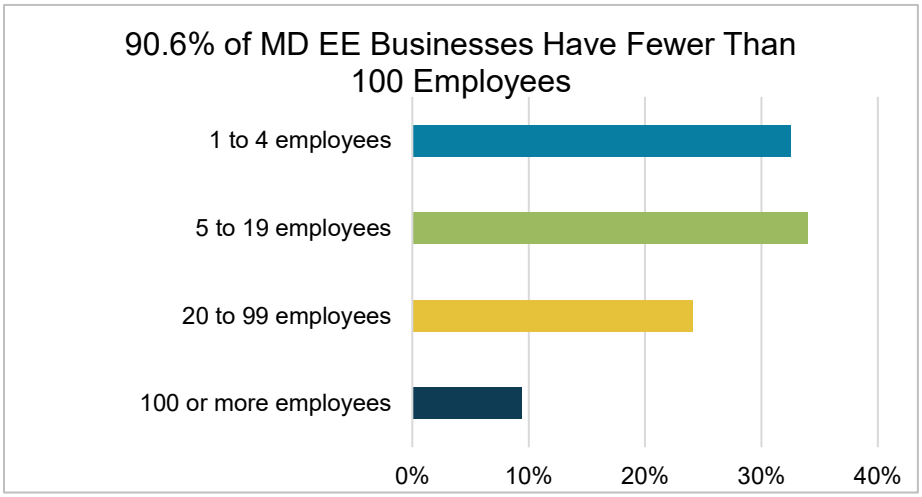


TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 1,476
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

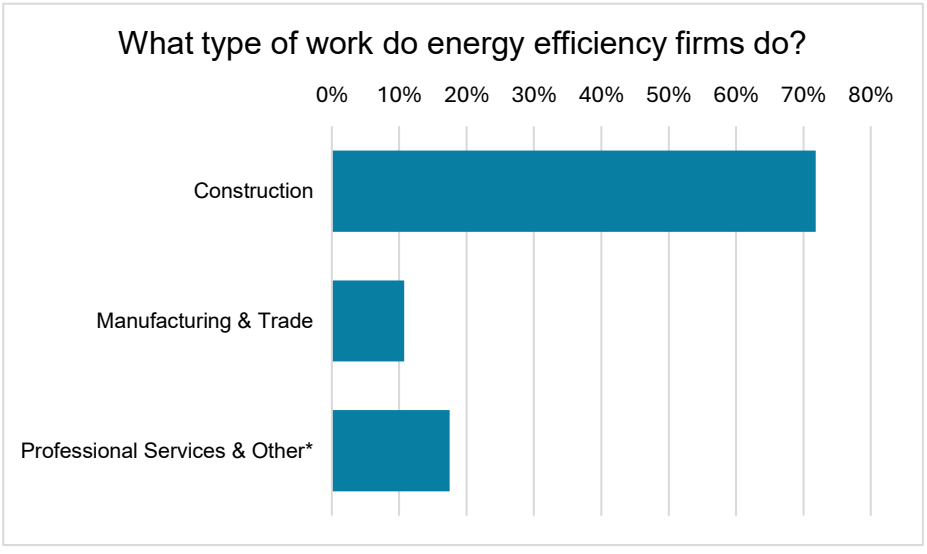
What does EE look like in Maryland?



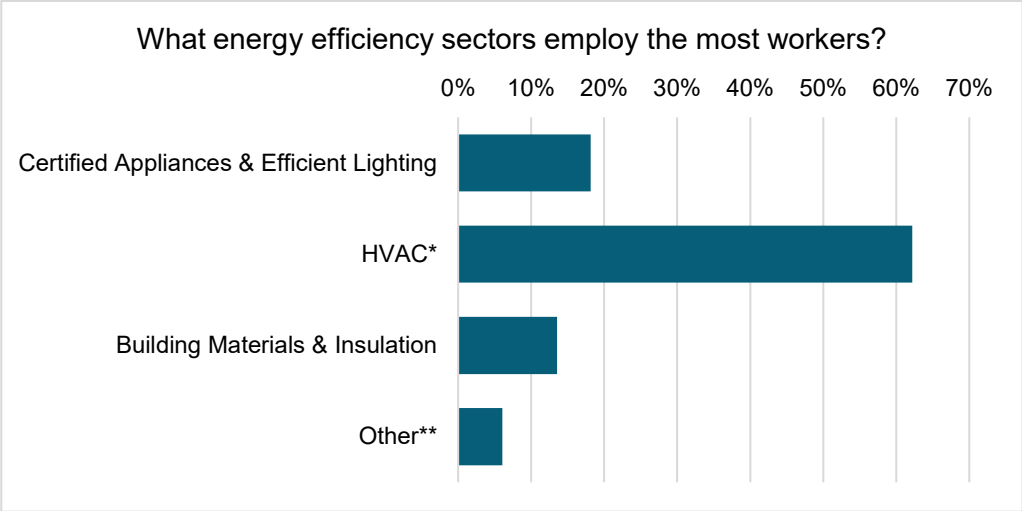








*Professional services include finance, accounting, architecture, engineering, research and development, and more. The "other" category includes roles in maintenance, business operations, and nonprofit organizations.



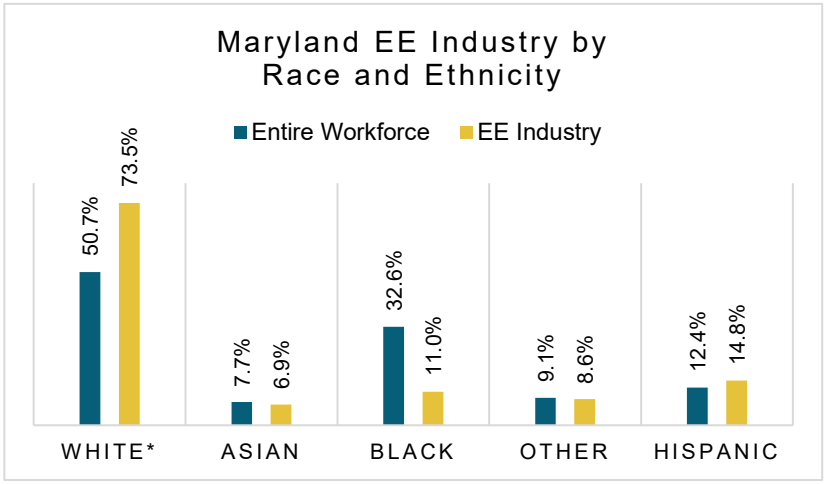
8% of Maryland EE workers are **veterans**

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

How representative is the EE workforce in Maryland?

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

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



*Includes non-Hispanic and Hispanic whites.

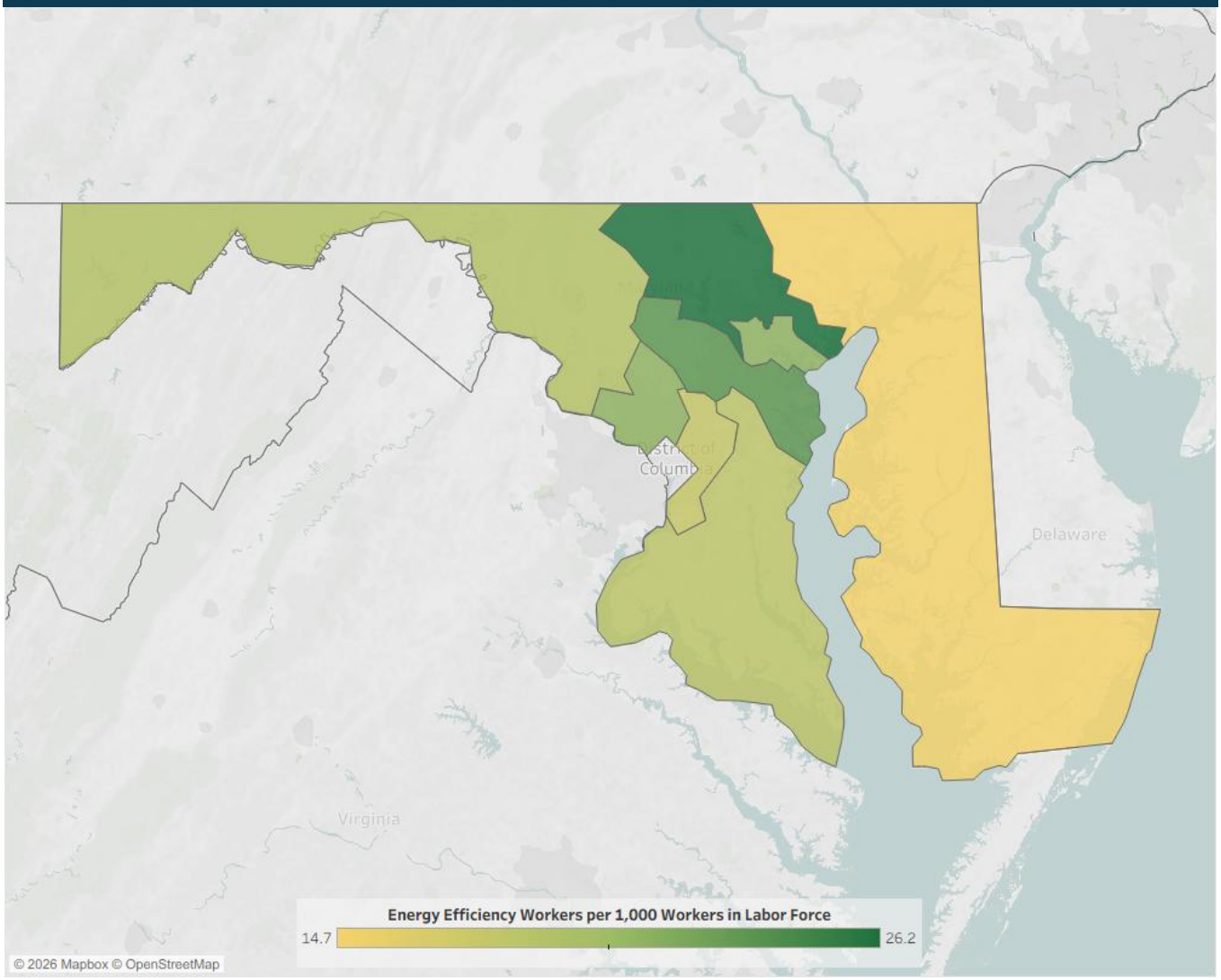
Gender in the Maryland EE Workforce



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 Congressional District



Congressional		Metropolitan Areas	
District	**Jobs**	**Area**	**Jobs**
1	6,249	Baltimore-Columbia-Towson	34,008
2	11,208	Cumberland	359
3	10,429	Hagerstown-Martinsburg	1,111
4	7,623	Philadelphia-Camden-Wilmington	554
5	8,170	Salisbury	1,249
6	8,374	Washington-Arlington-Alexandria	27,077
7	8,286	Rural	5,132
8	9,150		

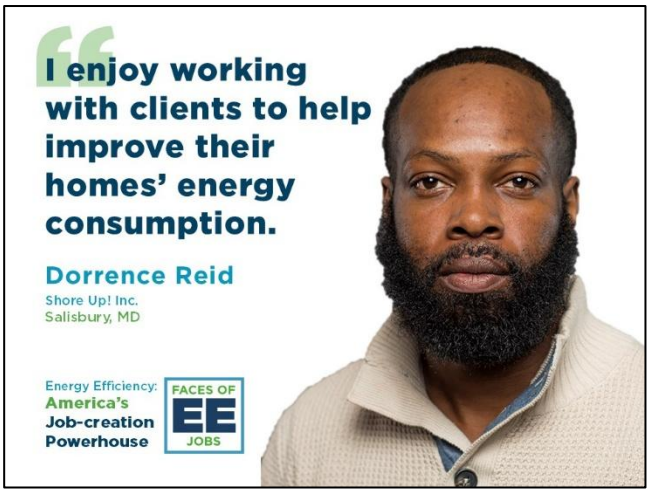
State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	698	16	1,645	31	1,688	46	1,769
2	1,164	17	1,996	32	1,700	47	1,494
3	1,737	18	1,238	33	1,559		
4	1,020	19	1,408	34	1,046		
5	1,763	20	1,459	35	1,324		
6	1,474	21	1,067	36	775		
7	1,291	22	1,407	37	964		
8	1,740	23	1,272	38	899		
9	2,305	24	1,328	39	1,786		
10	1,375	25	1,317	40	1,464		
11	1,967	26	1,350	41	1,288		
12	1,356	27	874	42	1,117		
13	1,947	28	1,235	43	1,773		
14	1,695	29	1,952	44	1,633		
15	1,144	30	1,304	45	1,289		

State House of Delegates							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
01A	237	12B	462	28	1,235	38A	186
01B	289	13	1,948	29A	722	38B	387
01C	172	14	1,695	29B	841	38C	326
02A	700	15	1,144	29C	389	39	1,786
02B	465	16	1,645	30A	798	40	1,464
3	1,737	17	1,996	30B	507	41	1,288
4	1,021	18	1,238	31	1,688	42A	458
5	1,763	19	1,408	32	1,700	42B	348
6	1,474	20	1,459	33A	551	42C	310
07A	984	21	1,067	33B	534	43A	1,131
07B	308	22	1,756	33C	474	43B	642
8	1,740	23	1,272	34A	748	44A	467
09A	1,498	24	1,328	34B	299	44B	1,166
09B	808	25	1,318	35A	1,085	45	1,290
10	1,376	26	1,350	35B	239	46	1,770
11A	788	27A	255	36	775	47A	664
11B	1,180	27B	363	37A	380	47B	482
12A	879	27C	256	37B	584		

Faces of EE

The EE industry creates jobs, lowers bills, and strengthens the economy. Woven through communities via manufacturing, construction, professional services, and more, EE jobs are the backbone of the energy sector. This sample of people highlights just a few of the wide variety of jobs in the energy efficiency industry and the potential for growth when workforce development and training are prioritized.





Note: Some individuals pictured may have changed jobs since they joined Faces of EE.

This report was funded by the Building Performance Foundation and informed by the industry expertise of the Building Performance Association. Research was conducted by BW Research Partnership.

The Building Performance Foundation (BPF) is a 501(c)(3) charitable organization that works with policymakers, industry stakeholders, and professionals across the trades to educate and advance understanding of building performance, support workforce development, and expand access to career opportunities. Visit www.foundation.building-performance.org.

The Building Performance Association (BPA) is a 501(c)(6) industry trade association that serves and represents the professionals and businesses working to make America's homes more comfortable, healthy, and energy efficient, supporting them through membership, advocacy, education, and engagement. Visit 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.

Data Source: Unless otherwise stated, all data are from the August 2026 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.