Maryland

Energy Efficiency Jobs in America

69,489
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.

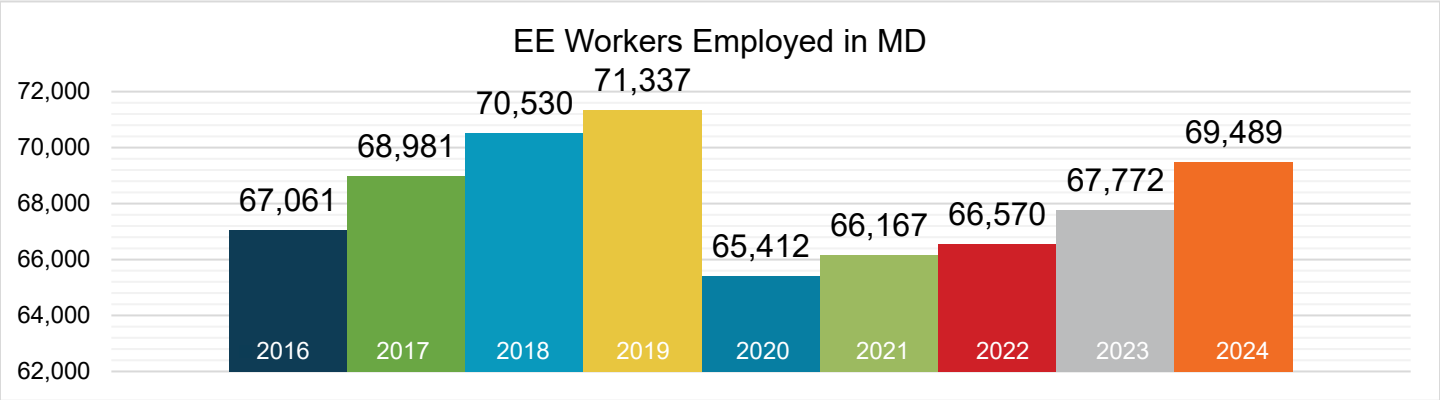
How does EE compare to other energy sectors in Maryland?

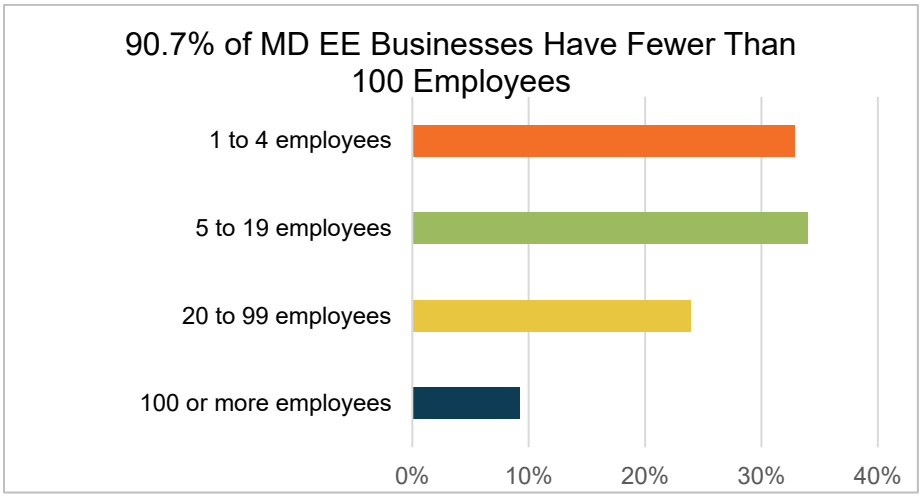
Energy efficiency is the largest energy sector in Maryland.

TDS = Transmission, Distribution, & Storage
EPG = Electric Power Generation
**Nuclear - EPG & Fuels = 1,327
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Presented by:

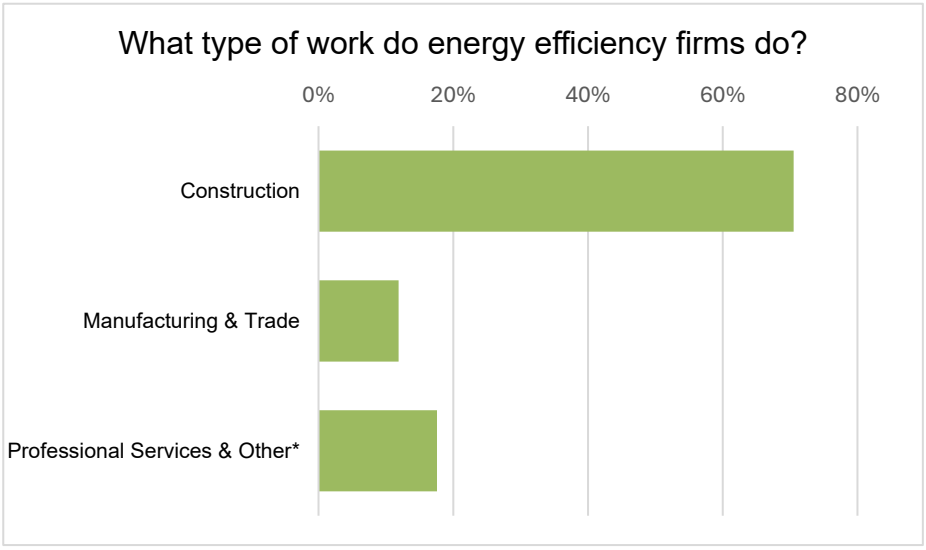
What does EE look like in Maryland?



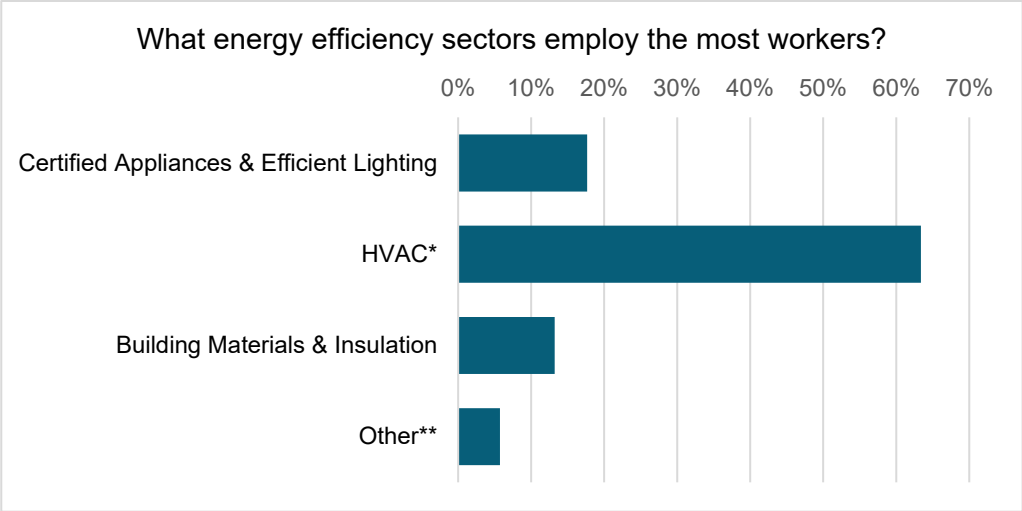


7,147
EE businesses in Maryland

EE construction workers comprise **30%** of Maryland's construction workforce



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



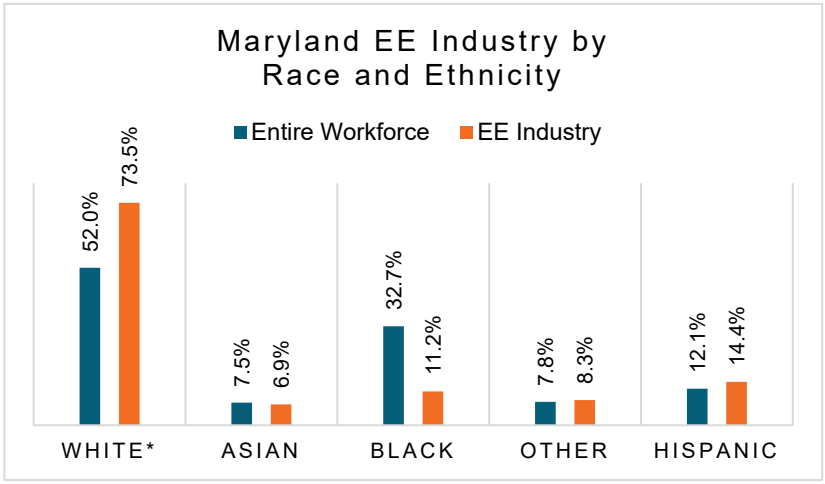
8% of Maryland EE workers are **veterans**

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.

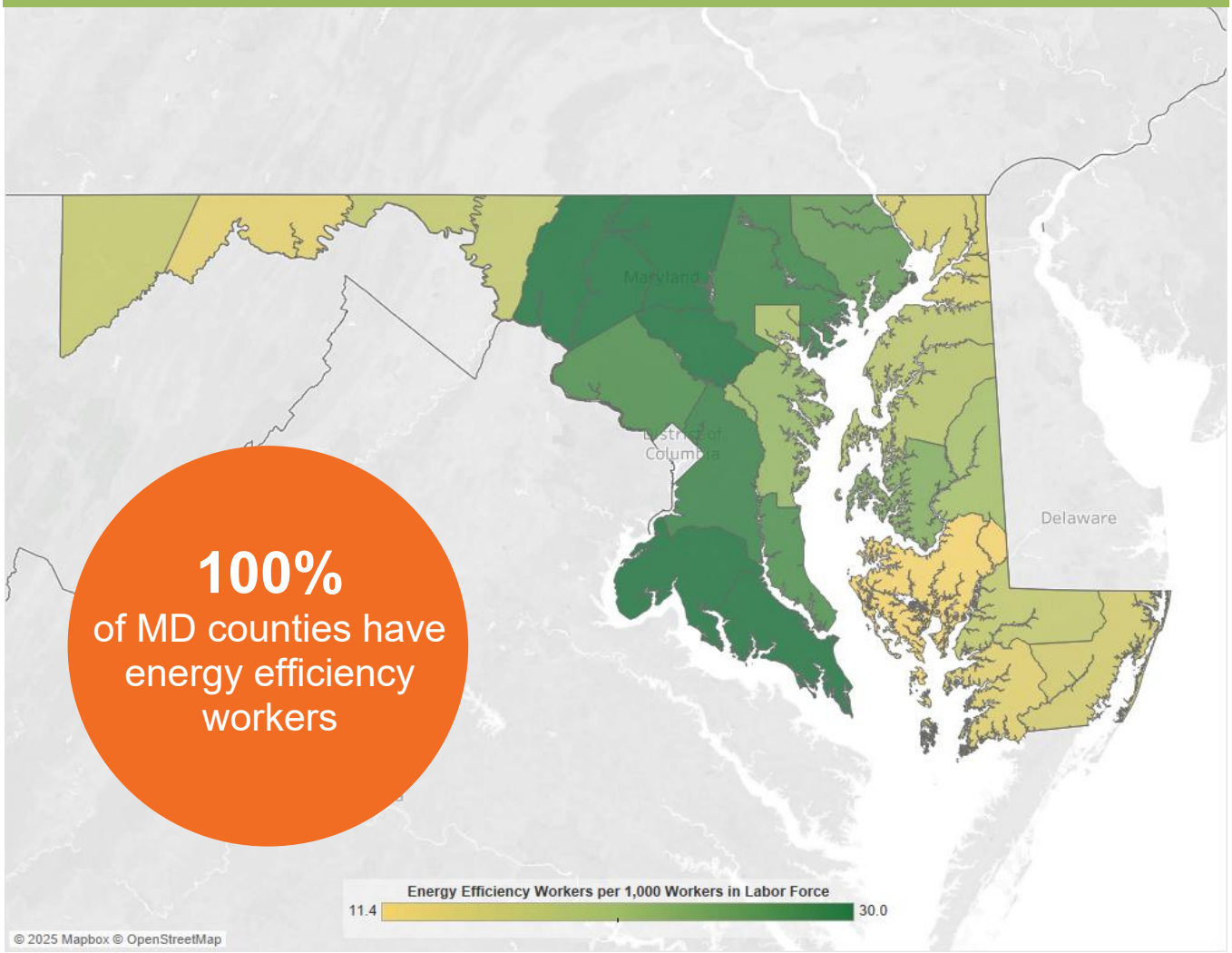


*Includes non-Hispanic and Hispanic whites.

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	
District	Jobs
1	6,249
2	11,208
3	10,429
4	7,623
5	8,170
6	8,374
7	8,286
8	9,150

Metropolitan Areas	
Area	Jobs
Baltimore-Columbia-Towson	34,008
Cumberland	359
Hagerstown-Martinsburg	1,111
Philadelphia-Camden-Wilmington	554
Salisbury	1,249
Washington-Arlington-Alexandria	27,077
Rural	5,132

State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	740	15	1,171	29	2,071	43	1,805
2	1,234	16	1,683	30	1,361	44	1,668
3	1,842	17	2,042	31	1,762	45	1,311
4	1,082	18	1,266	32	1,775	46	1,799
5	1,871	19	1,441	33	1,628	47	1,526
6	1,505	20	1,493	34	1,109		
7	1,331	21	1,089	35	1,403		
8	1,777	22	1,437	36	820		
9	2,442	23	1,299	37	1,024		
10	1,405	24	1,356	38	955		
11	2,010	25	1,345	39	1,827		
12	1,440	26	1,378	40	1,488		
13	2,068	27	917	41	1,309		
14	1,734	28	1,297	42	1,153		

State House of Delegates							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1A	251	12B	484	28	1,297	38A	198
1B	307	13	2,068	29A	766	38B	412
1C	182	14	1,734	29B	893	38C	346
2A	741	15	1,171	29C	412	39	1,827
2B	492	16	1,683	30A	833	40	1,488
3	1,842	17	2,042	30B	529	41	1,309
4	1,082	18	1,266	31	1,762	42A	468
5	1,871	19	1,441	32	1,775	42B	356
6	1,505	20	1,493	33A	575	42C	329
7A	1,005	21	1,089	33B	558	43A	1,149
7B	326	22	1,792	33C	495	43B	656
8	1,777	23	1,299	34A	793	44A	477
9A	1,584	24	1,356	34B	317	44B	1,191
9B	858	25	1,345	35A	1,150	45	1,311
10	1,405	26	1,378	35B	253	46	1,799
11A	805	27A	268	36	820	47A	678
11B	1,205	27B	378	37A	404	47B	492
12A	957	27C	271	37B	620		

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.

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 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.