Maryland

Energy Efficiency Jobs in America

67,772
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 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.

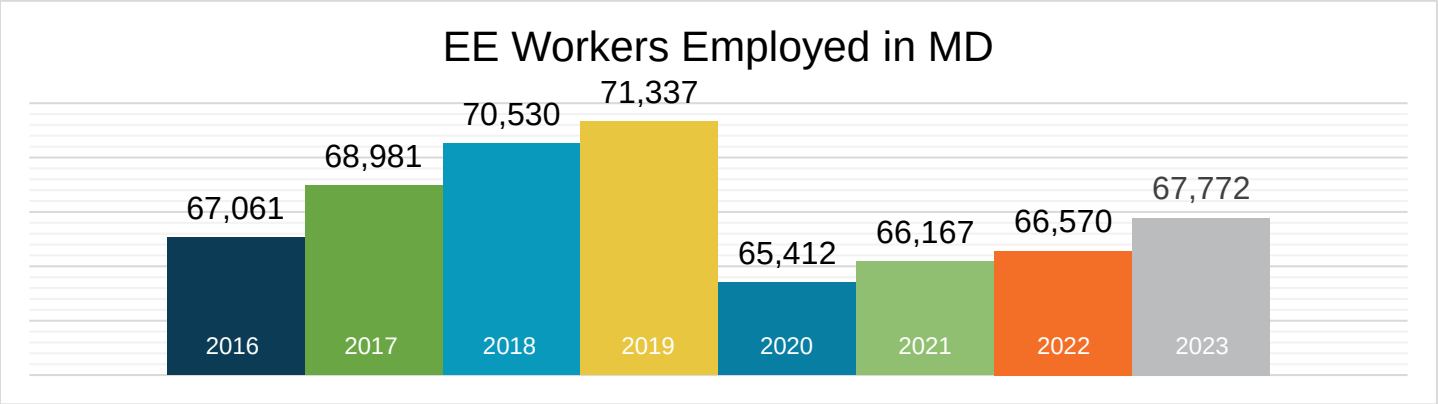
How does EE compare in Maryland?

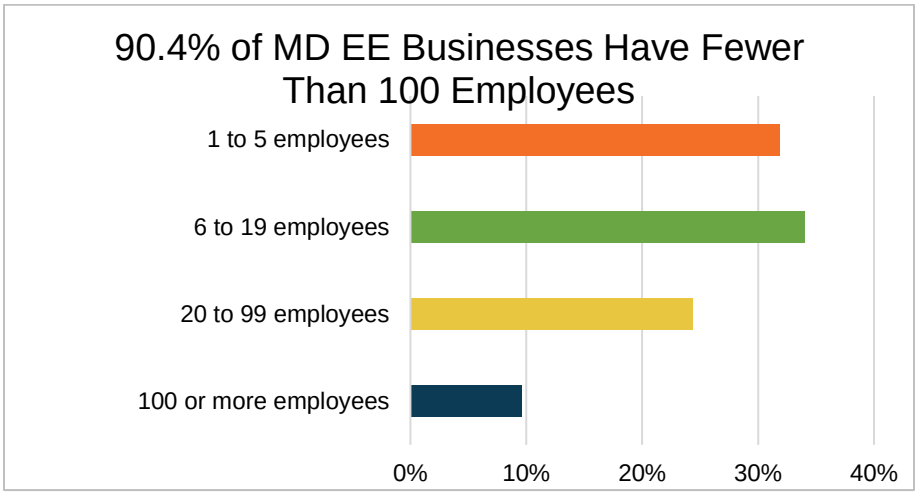
Energy efficiency is the largest energy sector in Maryland.

TDS = Transmission, Distribution & Storage
EPG = Electric Power Generation
Nuclear (EPG & Fuels) = 1,320
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

Updated April 2025

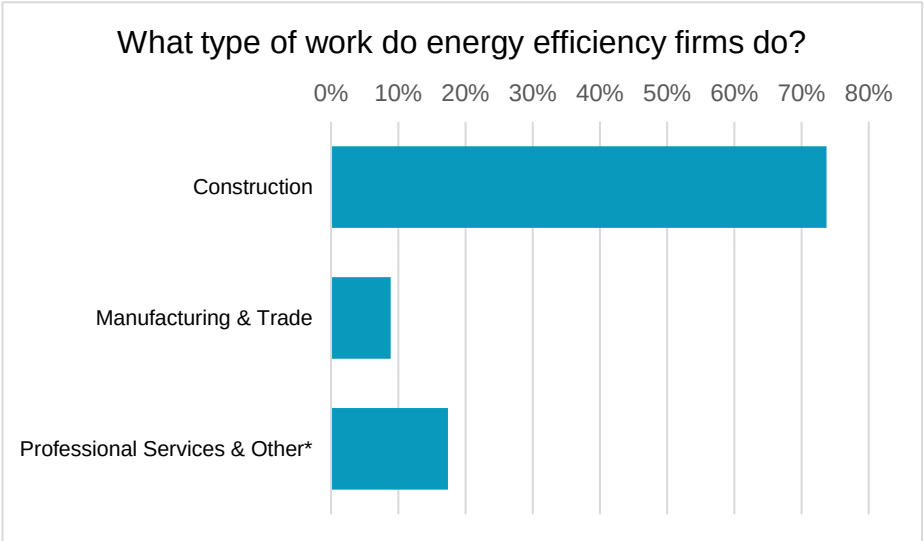
What does EE look like in Maryland?



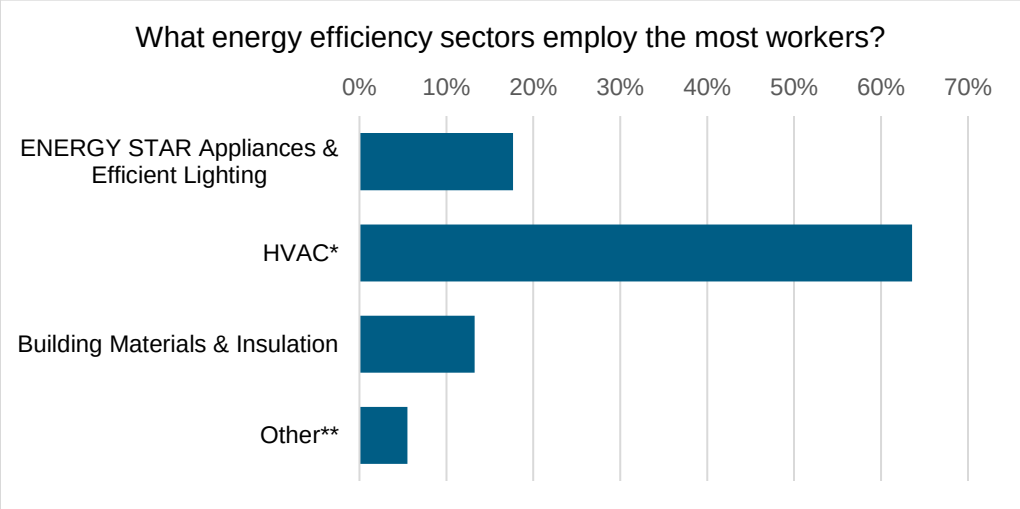


7,143
EE businesses in Maryland

EE construction workers comprise **31%** of Maryland's construction workforce



*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.



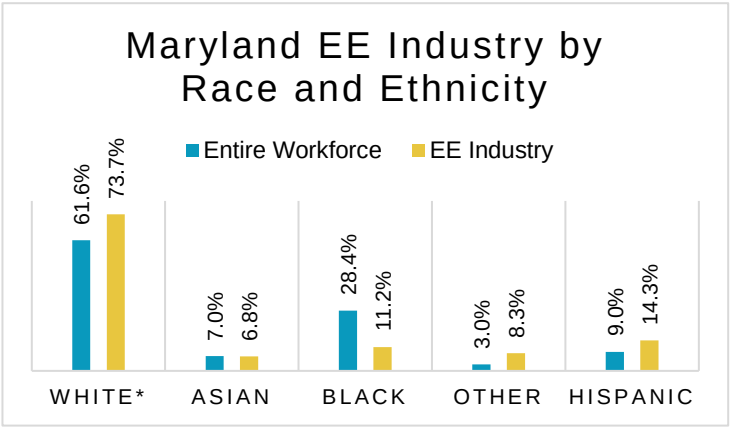
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

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

How is EE doing on diversity in Maryland?

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 Maryland 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 Maryland businesses.

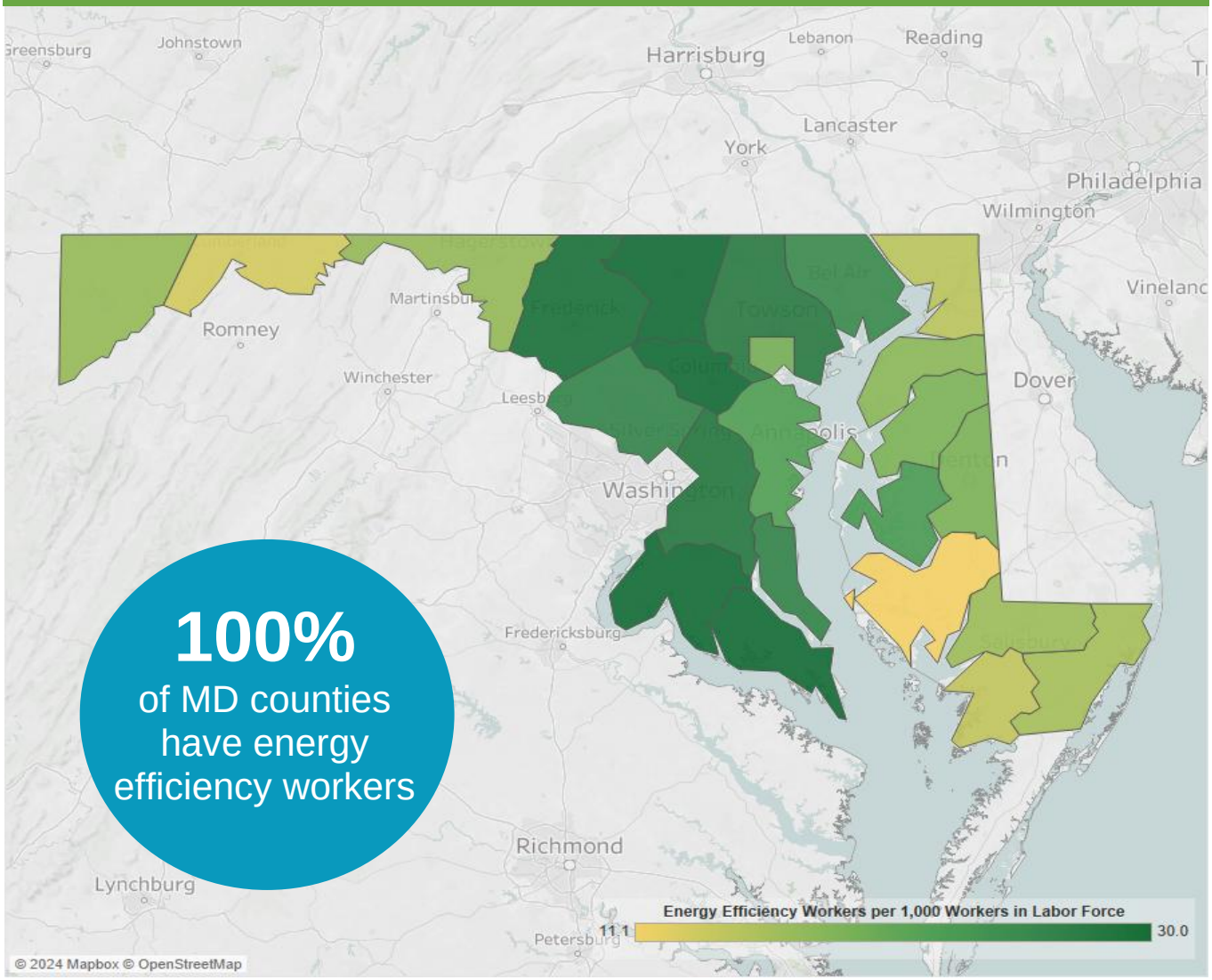


*Includes non-Hispanic and Hispanic whites.

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



100%
of MD counties have energy efficiency workers

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/330956.

Congressional	
District	**Jobs**
1	8,023
2	8,304
3	11,291
4	7,079
5	9,088
6	7,600
7	7,345
8	9,042

Metropolitan Areas	
Area	**Jobs**
Baltimore-Columbia-Towson	33,156
Cumberland	350
Hagerstown-Martinsburg	1,083
Philadelphia-Camden-Wilmington	541
Salisbury	1,215
Washington-Arlington-Alexandria	26,415
Rural	5,011

State Senate							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	2,059	15	4,051	29	721	43	250
2	587	16	3,531	30	2,716	44	<10
3	2,718	17	2,061	31	2,766	45	229
4	2,096	18	1,258	32	38	46	<10
5	1,530	19	178	33	343	47	121
6	1,994	20	1,416	34	561		
7	2,845	21	1,932	35	826		
8	935	22	1,921	36	1,650		
9	2,845	23	915	37	2,325		
10	1,908	24	679	38	963		
11	3,373	25	644	39	<10		
12	2,371	26	350	40	4,085		
13	1,350	27	1,001	41	<10		
14	2,133	28	1,316	42	158		

State House of Delegates							
District	Jobs	District	Jobs	District	Jobs	District	Jobs
4	4,925	22	1,934	03B	14	37B	1,058
5	1,508	24	670	09A	75	38A	432
6	2,010	25	1,164	23A	185	38B	125
7	2,805	26	345	23B	191	38C	395
8	919	28	1,438	27A	75	42A	12
10	2,067	32	1,468	27B	397	42B	139
11	3,444	33	2,803	27C	464	47A	120
12	4,471	36	2,207	29A	254		
13	1,708	40	4,024	29B	435		
14	2,201	43	250	29C	26		
15	4,071	45	225	30A	327		
16	3,487	46	279	30B	244		
17	2,037	01A	930	31A	705		
18	1,272	01B	24	34A	554		
19	176	01C	1,085	35A	148		
20	1,591	02A	274	35B	105		
21	1,918	03A	298	37A	1,260		

The Building Performance Association (BPA) is a 501(c) 6 nonprofit industry association that serves as the hub for businesses, nonprofits, and government agencies working to make America's homes more comfortable, healthy, and energy efficient. Our mission is to transform the market for the home performance industry through advocacy, education, professional development, and networking. Visit www.building-performance.org

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.

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 U.S. Energy and Employment Report, August 2024, 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