

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

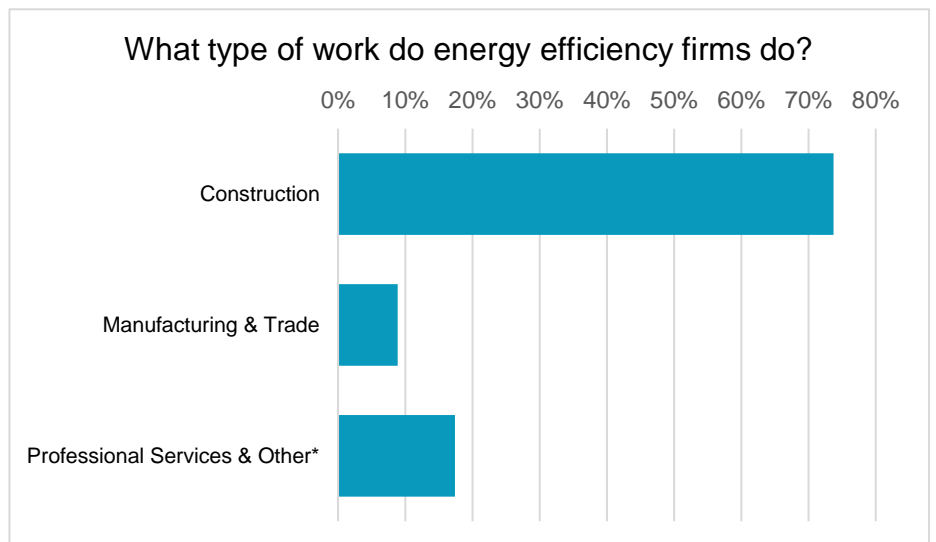
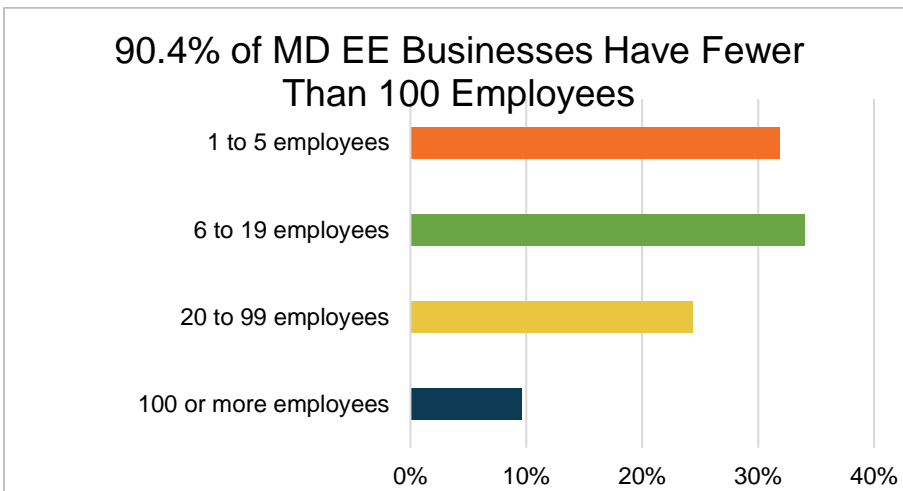
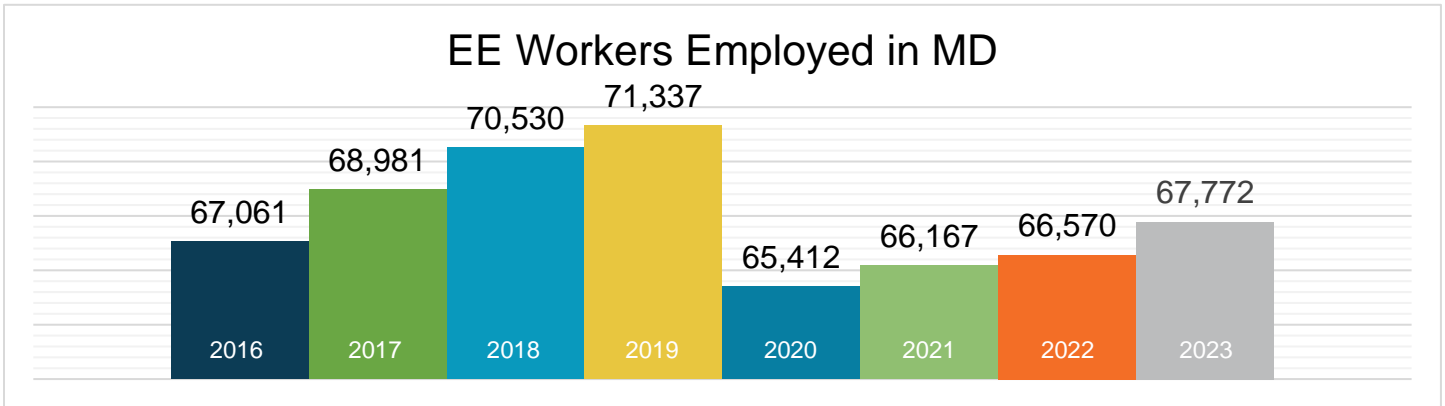
Nuclear (EPG & Fuels) = 1,320

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



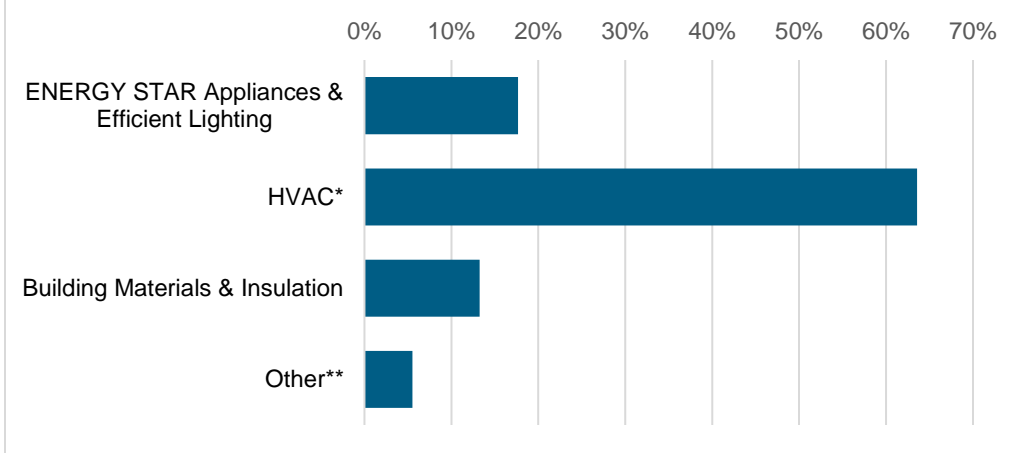
E4 THE FUTURE

What does EE look like in Maryland?

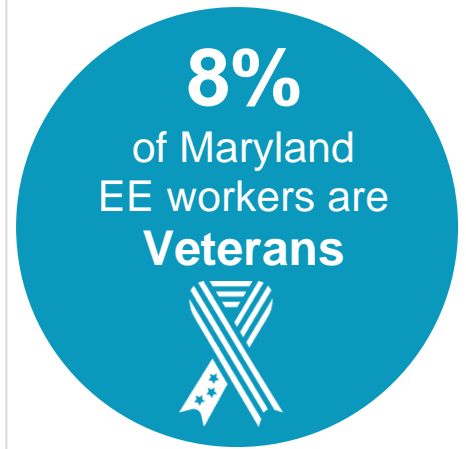


*Professional services include finance/accounting, architecture, engineering, R&D, etc. and other includes maintenance, and business, and nonprofit organizations.

What energy efficiency sectors employ the most workers?



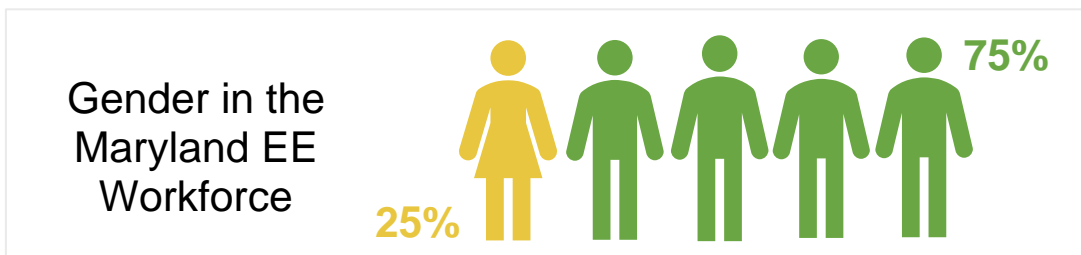
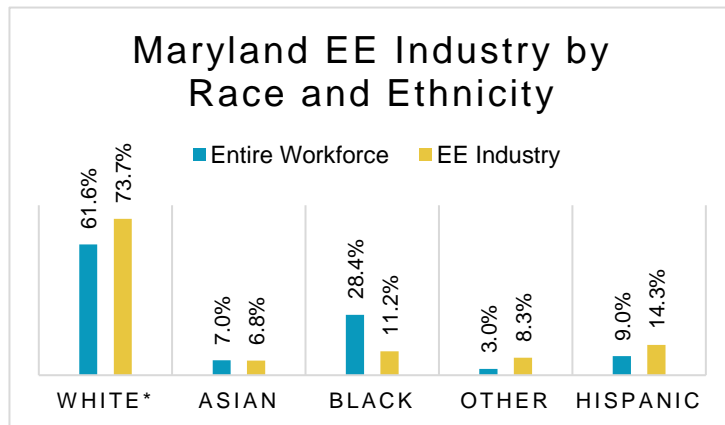
*Heating, ventilation, air conditioning of higher than standard efficiency/renewable heating & cooling
 **Other such as energy audits, building certifications, and software services



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.

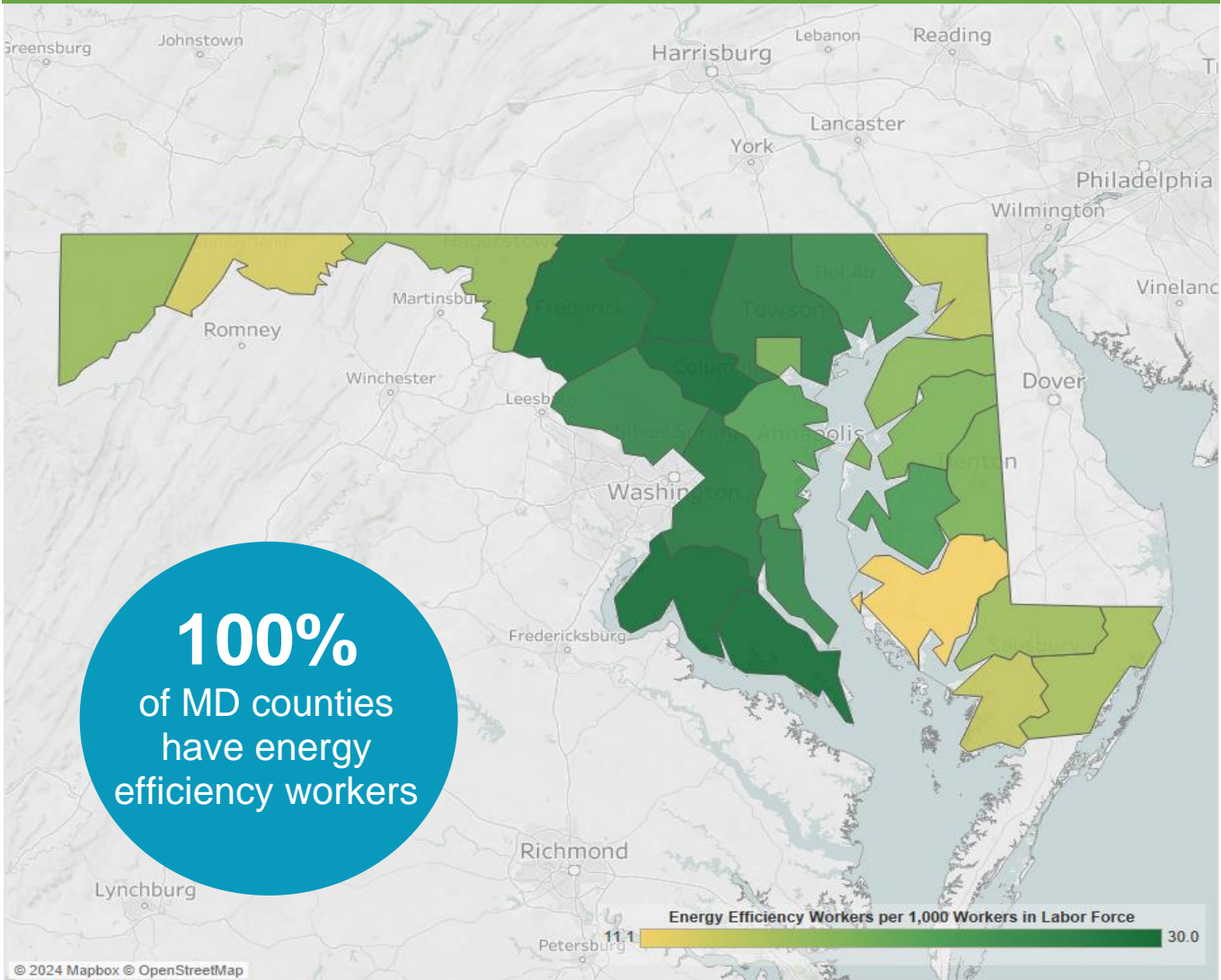


Note: The U.S. Bureau of Labor Statistics (BLS) only includes two genders in their survey. Non-binary gender data is missing from this document due to this limitation.



Energy Efficiency Jobs are Everywhere

EE Jobs by County



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		Metropolitan Areas	
District	Jobs	Area	Jobs
1	12,711	Baltimore-Columbia-Towson	33,156
2	12,246	Cumberland	350
3	13,429	Hagerstown-Martinsburg	1,083
4	5,776	Philadelphia-Camden-Wilmington	541
5	4,638	Salisbury	1,215
6	11,991	Washington-Arlington-Alexandria	26,415
7	1,645	Rural	5,011
8	5,335		

State Senate							
District	Jobs		District	Jobs		District	Jobs
1	2,059		15	4,051		29	721
2	587		16	3,531		30	2,716
3	2,718		17	2,061		31	2,766
4	2,096		18	1,258		32	38
5	1,530		19	178		33	343
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
						43	250
						44	<10
						45	229
						46	<10
						47	121

State House of Delegates							
District	Jobs		District	Jobs		District	Jobs
4	4,925		22	1,934		03B	14
5	1,508		24	670		09A	75
6	2,010		25	1,164		23A	185
7	2,805		26	345		23B	191
8	919		28	1,438		27A	75
10	2,067		32	1,468		27B	397
11	3,444		33	2,803		27C	464
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
						37B	1,058
						38A	432
						38B	125
						38C	395
						42A	12
						42B	139
						47A	120





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

