

Maryland

Energy Efficiency Jobs in America

66,570

Total Jobs

What are EE Jobs?

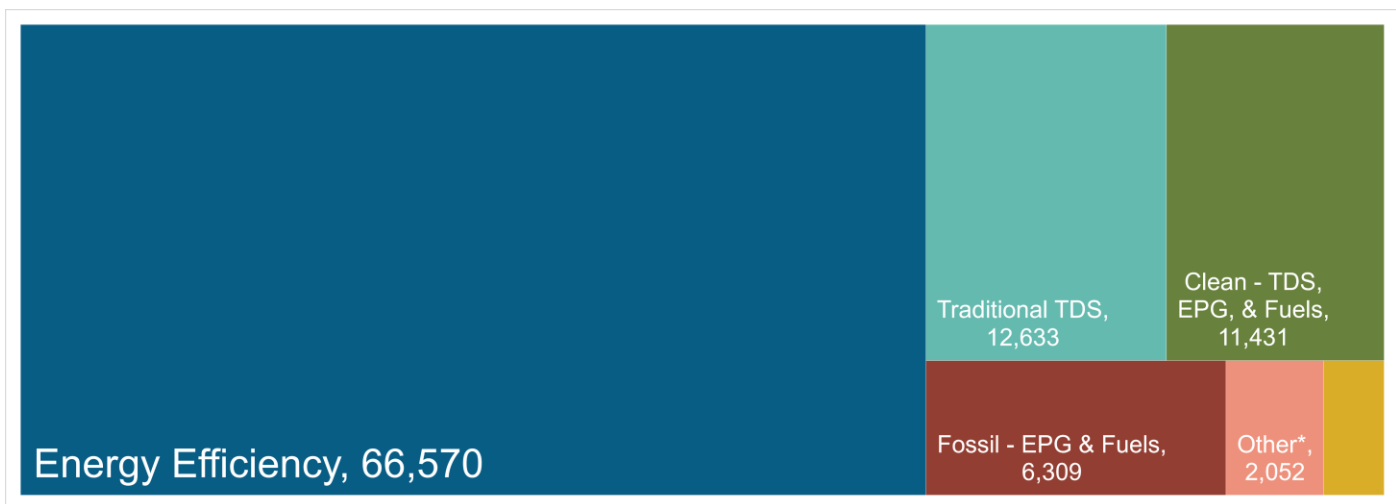
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 & industrial buildings.
- **Design and construct** high performance buildings such as those earning LEED certification.
- **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.



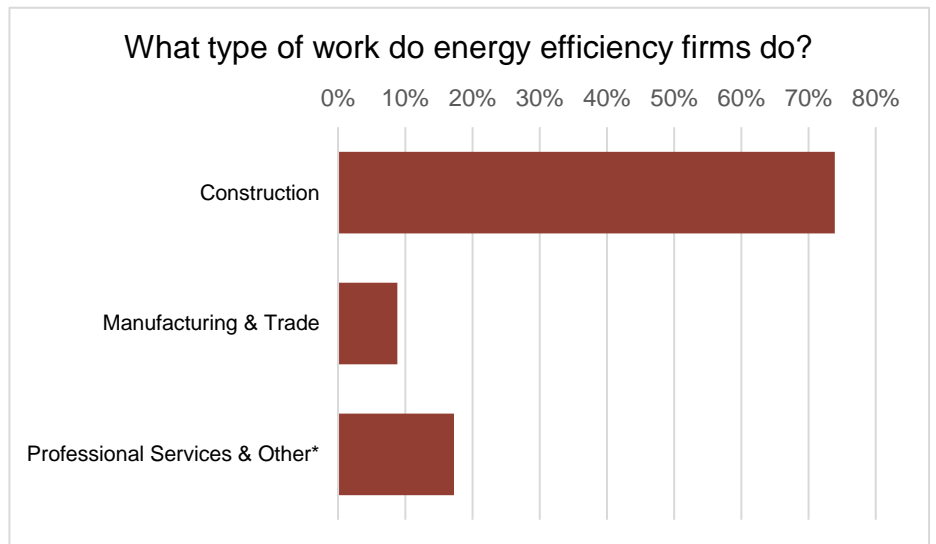
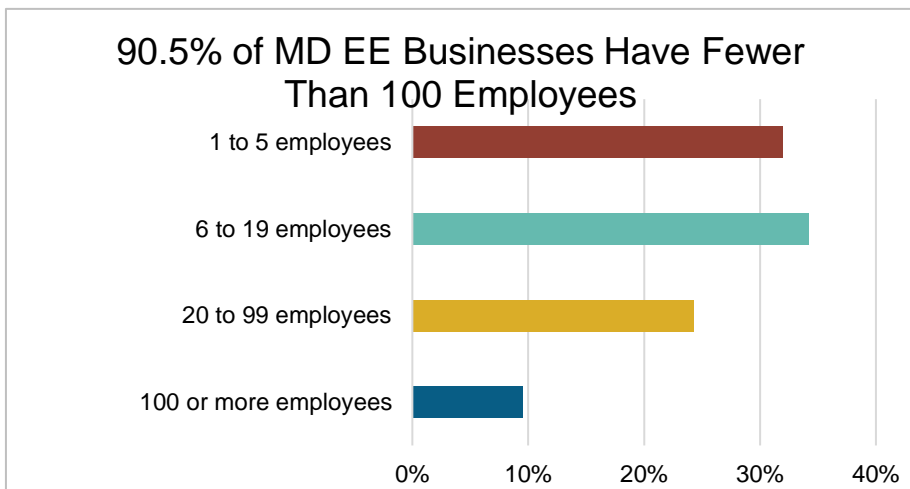
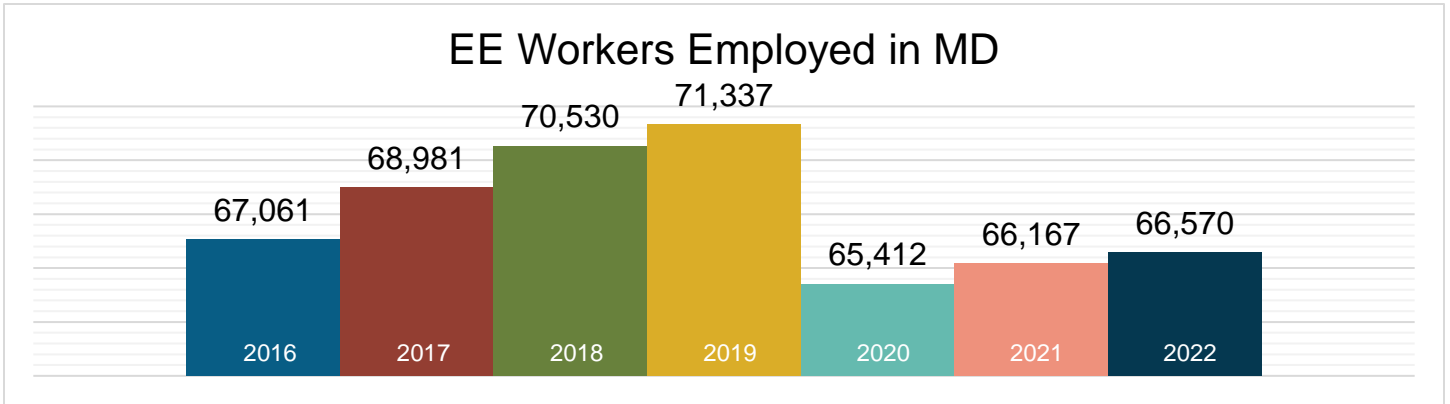
TDS = Transmission, Distribution & Storage

EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 1,272

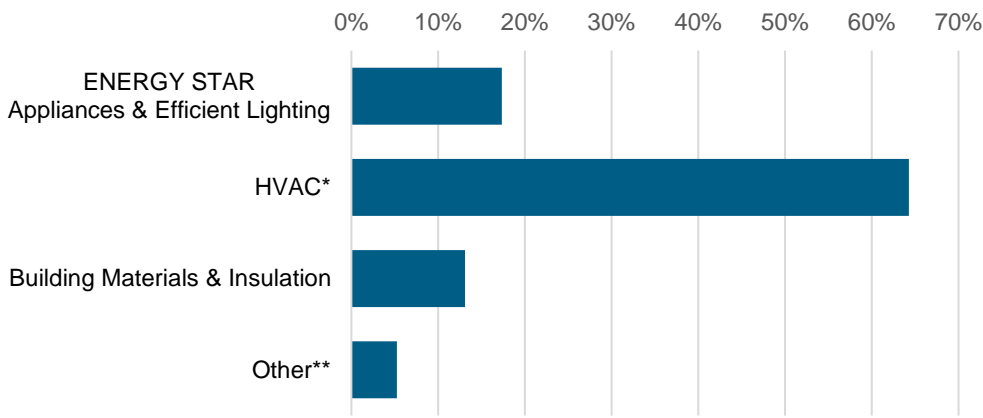
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

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?



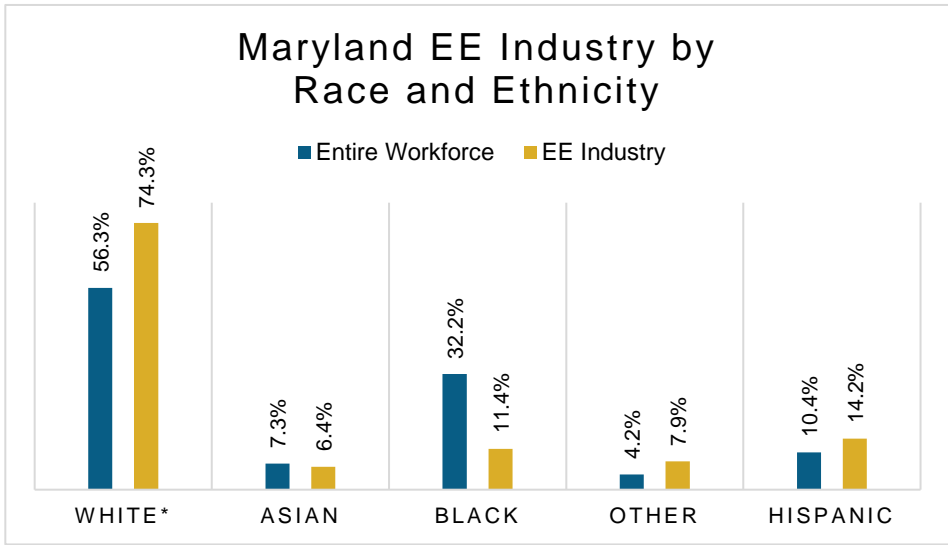
8%
of Maryland
EE workers are
Veterans

*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 EE businesses.



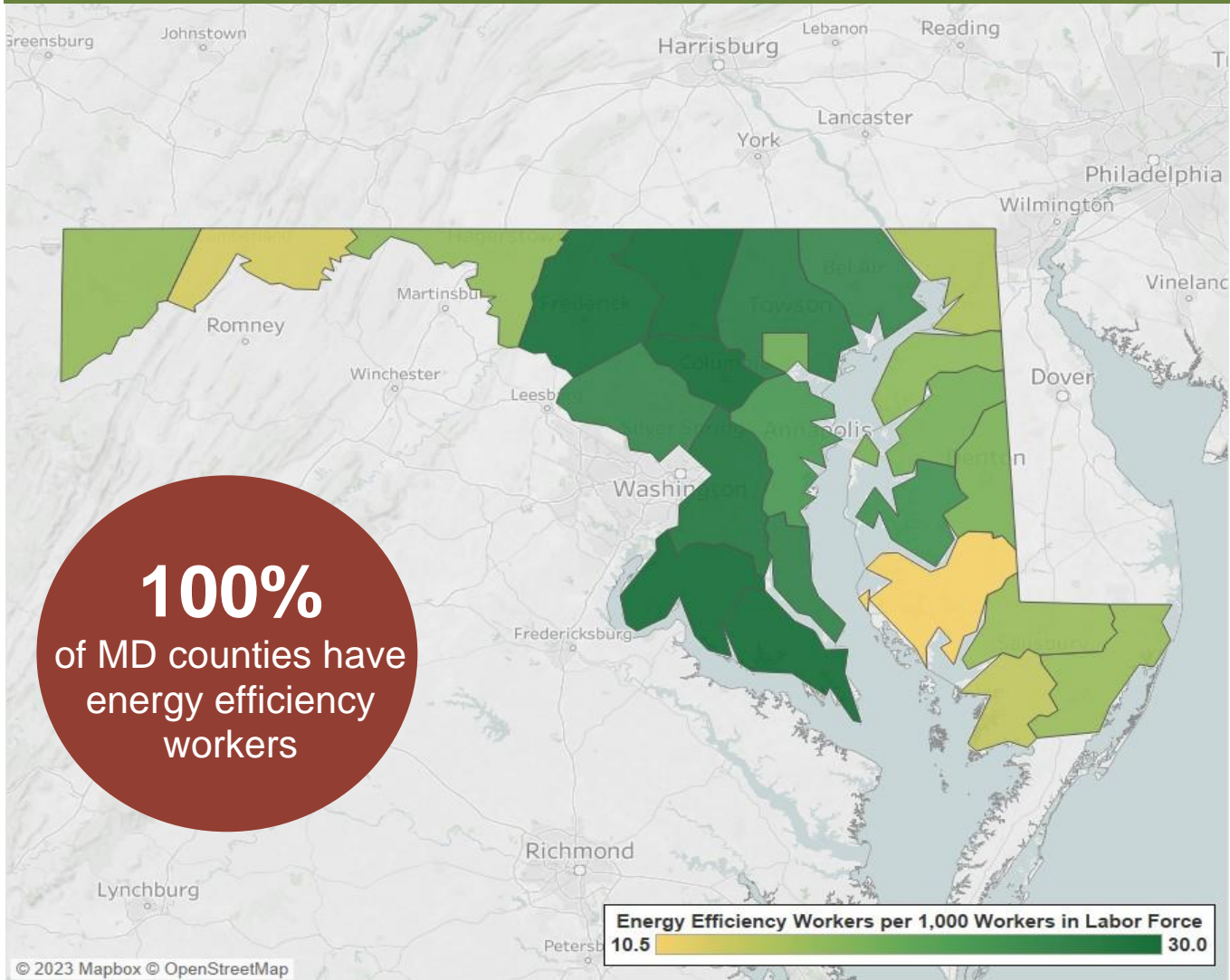
*Includes non-Hispanic and Hispanic whites.



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



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 the 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/policy/2023-useer-county-level-data-faq>.

Congressional		Metropolitan Areas	
District	Jobs	Area	Jobs
1	12,486	Baltimore-Towson	32,609
2	12,029	Cumberland	344
3	13,191	Hagerstown-Martinsburg	1,065
4	5,674	Philadelphia-Camden-Wilmington	532
5	4,555	Salisbury	1,195
6	11,779	Washington-Arlington-Alexandria	25,893
7	1,615	Rural	4,932
8	5,241		

State Upper House

District	Jobs	District	Jobs	District	Jobs	District	Jobs
1	2,025	15	3,984	29	709	43	246
2	578	16	3,473	30	2,671	44	<10
3	2,673	17	2,024	31	2,721	45	225
4	2,061	18	1,238	32	38	46	<10
5	1,505	19	175	33	338	47	119
6	1,961	20	1,386	34	552		
7	2,791	21	1,900	35	813		
8	920	22	1,890	36	1,623		
9	2,798	23	900	37	2,287		
10	1,862	24	668	38	944		
11	3,318	25	634	39	<10		
12	2,333	26	342	40	4,012		
13	1,326	27	978	41	<10		
14	2,082	28	1,295	42	153		

State House of Delegates

District	Jobs	District	Jobs	District	Jobs	District	Jobs
4	4,842	22	1,902	03B	14	37B	1,039
5	1,483	24	659	09A	73	38A	425
6	1,977	25	1,144	23A	182	38B	119
7	2,750	26	337	23B	188	38C	389
8	904	28	1,409	27A	74	42A	12
10	2,018	32	1,444	27B	391	42B	135
11	3,387	33	2,755	27C	457	47A	118
12	4,397	36	2,170	29A	249		
13	1,679	40	3,951	29B	428		
14	2,149	43	246	29C	25		
15	4,004	45	221	30A	322		
16	3,429	46	275	30B	240		
17	2,000	01A	915	31A	694		
18	1,251	01B	24	34A	544		
19	173	01C	1,066	35A	146		
20	1,557	02A	269	35B	103		
21	1,886	03A	293	37A	1,239		



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.



E2 is a national, nonpartisan group of business leaders, investors and others who advocate for smart policies that are good for the environment and good for the economy. Visit www.e2.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: Except for county data on page 4, all data are from the U.S. Energy and Employment Report, June 2023, 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 E4TheFuture analyses please email: policy@e4thefuture.org