

Maryland

Energy Efficiency Jobs in America

66,167
Total Jobs

Energy efficiency (EE) workers are crucial to America’s workforce. EE jobs are everywhere – in rural, urban, and suburban communities.

Investing in EE is a highly cost-effective way to improve the reliability of the electric grid, reduce harmful emissions, and make other renewable energy resources, such as solar and wind, more valuable. Efficiency measures also lower household energy bills while creating high-quality, local jobs that cannot be outsourced.

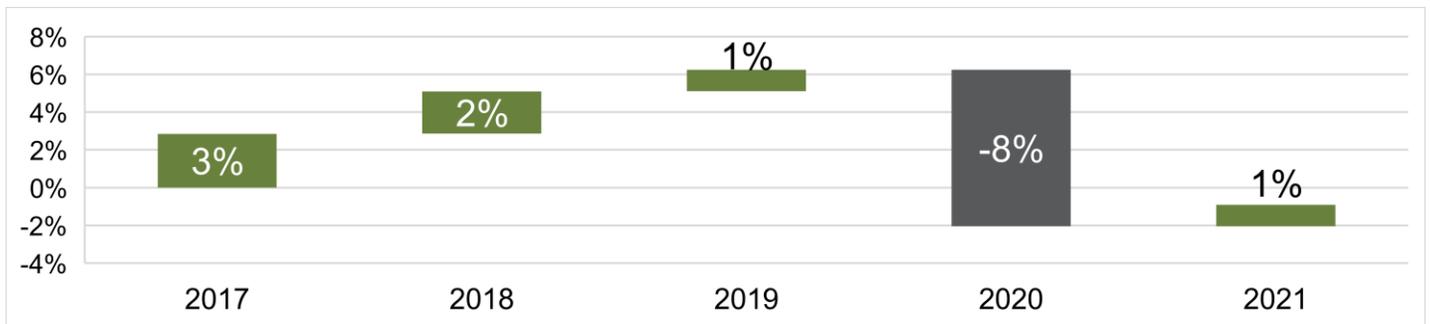
How do Maryland’s energy sectors compare?

Energy Efficiency is the **largest** energy sector in Maryland



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

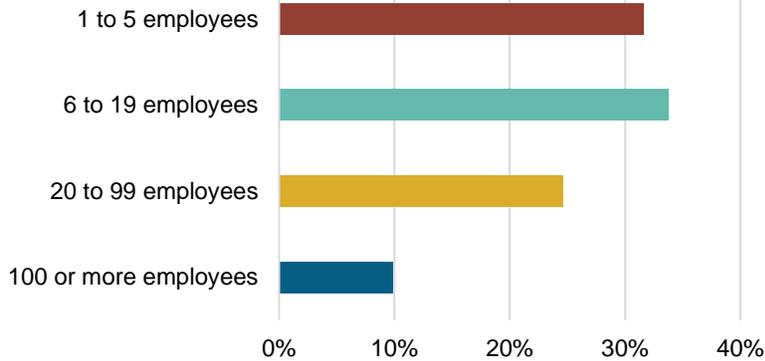
How is the EE industry growing in Maryland?



Prior to 2020, the EE sector was growing steadily each year, but suffered heavy job losses in the COVID-19 pandemic. The EE industry has made a strong recovery, but job gains have been slower than in the U.S. workforce overall. As we invest in EE, a focus on workforce development is vital to ensure a strong efficiency industry for years to come.

What does EE look like in Maryland?

90.1% of MD EE Businesses Have Fewer Than 100 Employees



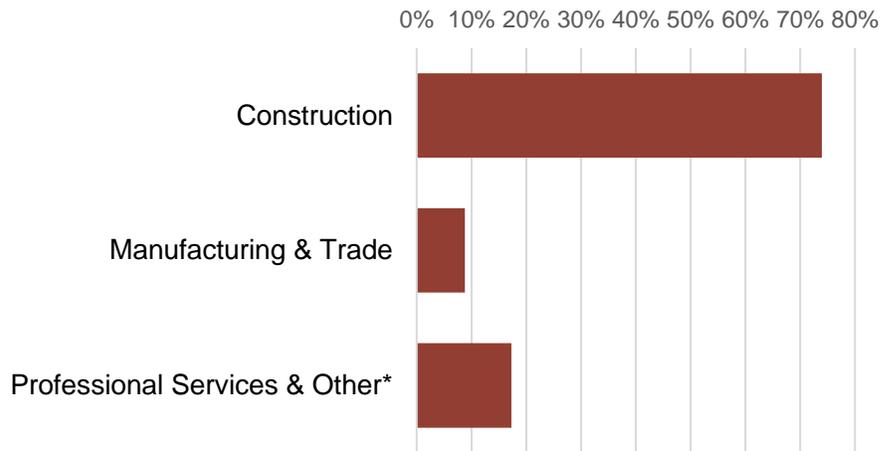
7,128
EE businesses in Maryland



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

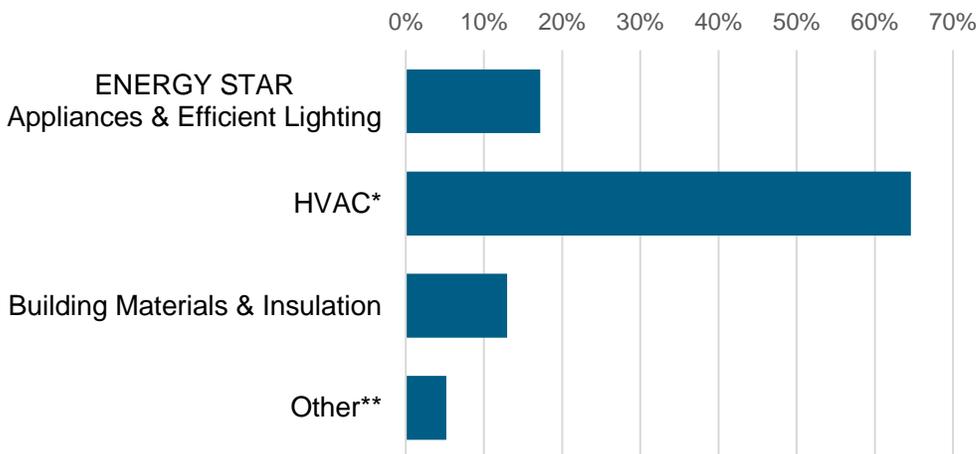


What type of work do energy efficiency firms do?



*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?



7%
of Maryland EE workers are **Veterans**

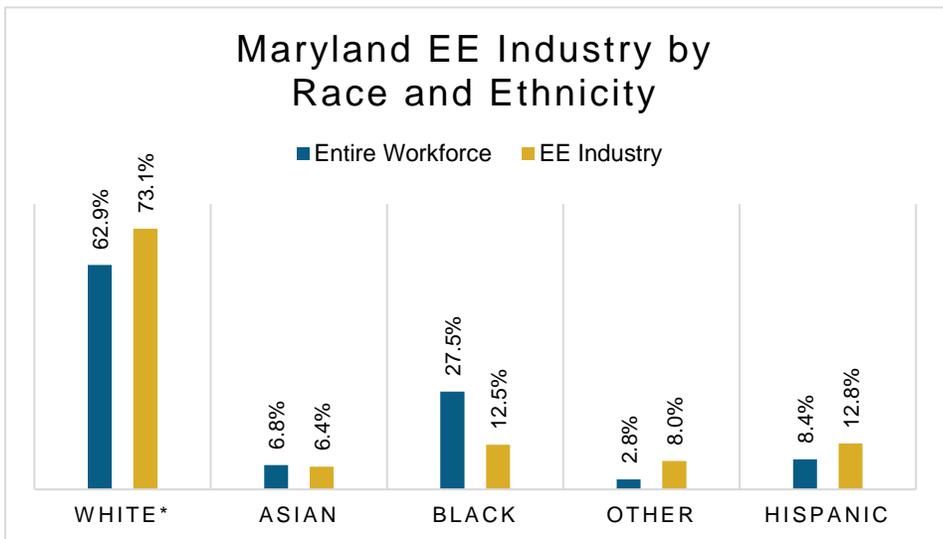


*Heating, Ventilation, Air Conditioning of higher than standard efficiency/renewable heating & cooling
**Other such as energy audits, building certifications, and software services

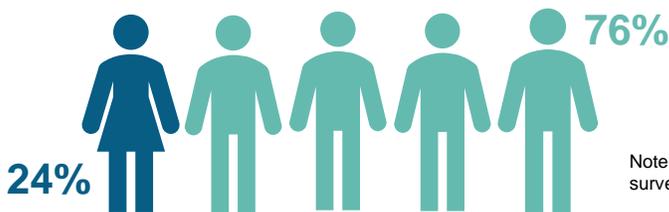
How is EE doing on diversity in Maryland?

Demographic data is critical to measure progress in the EE industry. In striving for more diversity in EE jobs, we can create a stronger industry 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.

Maryland's EE Potential

Decades of work ready for Maryland's growing energy efficiency workforce.

Weatherization Assistance Program:

6,596* units weatherized in 2018, out of **~200,000** total low-income households

1,839,365 Maryland homes are due for energy tune-ups

(Non low-income families whose residences are 20+ years old)

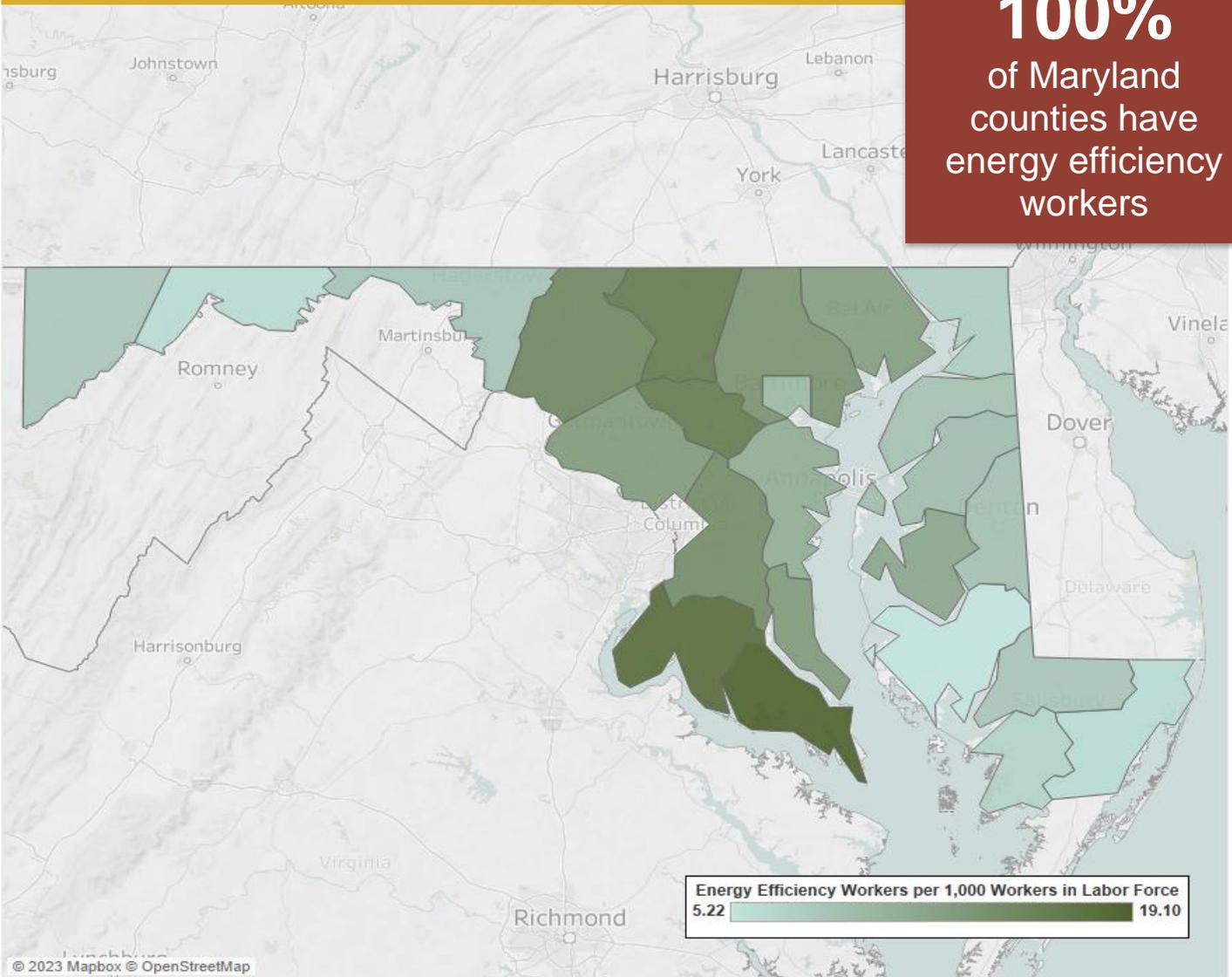
Potential to **reduce** residential electricity consumption by

39%

*National Association for State community Services Programs (NASCS) [Weatherization Assistance Program Annual Funding Survey](#)
Source: E4TheFuture/BW Research retrofit analysis, July 2021, [U.S. Census Bureau QuickFacts](#) and [State and Local Planning for Energy \(SLOPE\) Platform](#)

Energy Efficiency Jobs are Everywhere

EE Jobs by County



Metropolitan Areas	
Area	Jobs
Baltimore-Towson	30,030
Cumberland	592
Hagerstown-Martinsburg	1,378
Philadelphia-Camden-Wilmington	2,073
Salisbury	1,134
Washington-Arlington-Alexandria	27,071
Rural	3,889

Jobs by County			
County	Jobs	County	Jobs
Allegany County	343	Kent County	131
Anne Arundel County	5,987	Montgomery County	11,706
Baltimore County	10,037	Prince George's County	8,898
Calvert County	574	Queen Anne's County	285
Caroline County	176	St. Mary's County	1,779
Carroll County	1,879	Somerset County	94
Cecil County	530	Talbot County	401
Charles County	1,448	Washington County	1,060
Dorchester County	128	Wicomico County	745
Frederick County	3,098	Worcester County	347
Garrett County	193	Baltimore City County	6,508
Harford County	2,353	N/A	2,105
Howard County	5,363		



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: Unless otherwise stated, all data are from the U.S. Energy and Employment Report, June 2022, by the U.S. Department of Energy (see Appendix C 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.