

Vermont

Energy Efficiency Jobs in America

10,184

Total Jobs

What are EE Jobs?

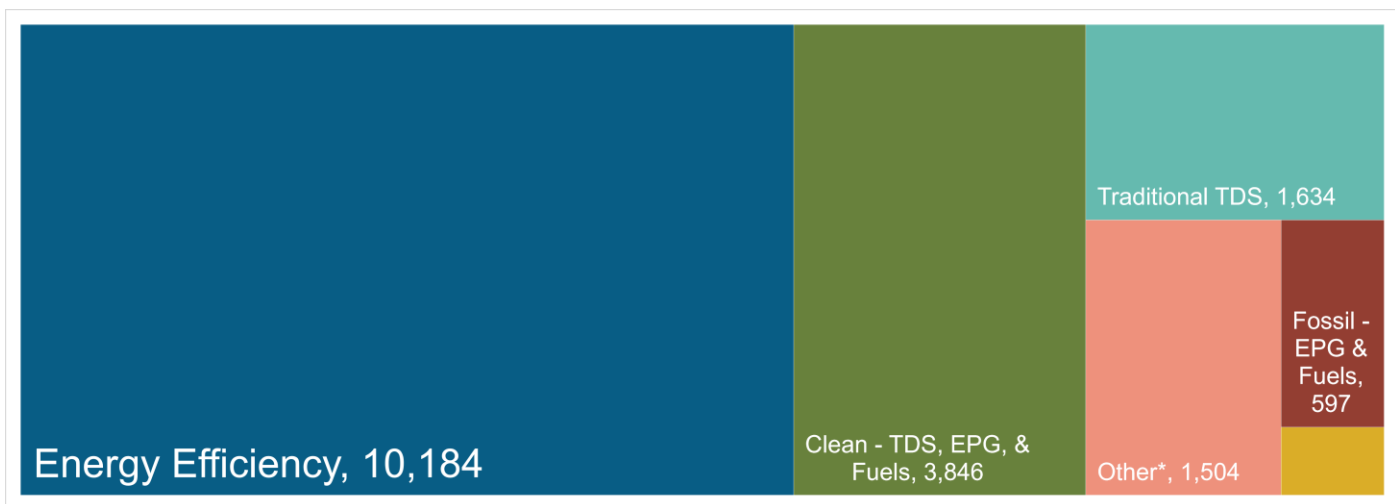
Jobs that deliver goods and services that lower energy use by improving energy efficiency – with a focus on appliances, buildings, data systems, financing, new technologies, and more.

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 Vermont?

Energy Efficiency is the largest energy sector in Vermont.



TDS = Transmission, Distribution & Storage

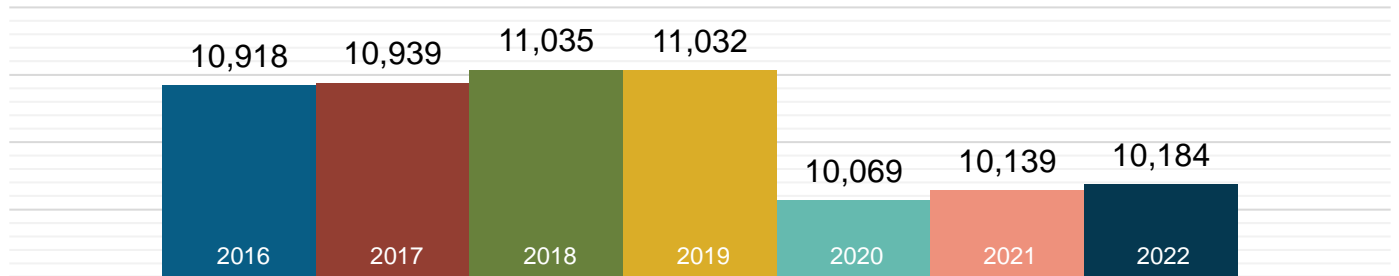
EPG = Electric Power Generation

Nuclear (EPG & Fuels) = 196

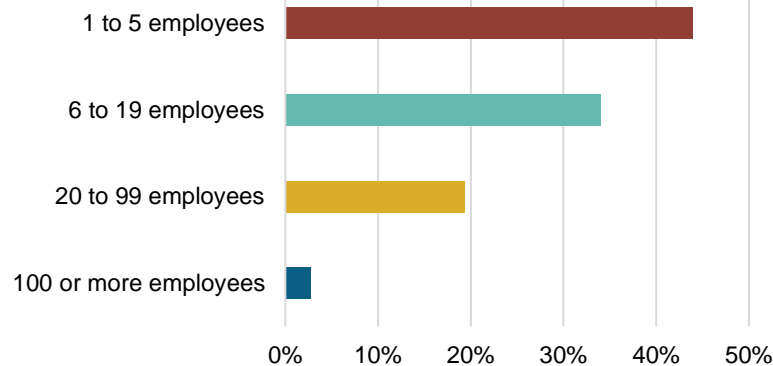
*Includes other energy subsectors such as corn ethanol, woody biomass, large hydropower, and others.

What does EE look like in Vermont?

EE Workers Employed in VT



97.3% of VT EE Businesses Have Fewer Than 100 Employees

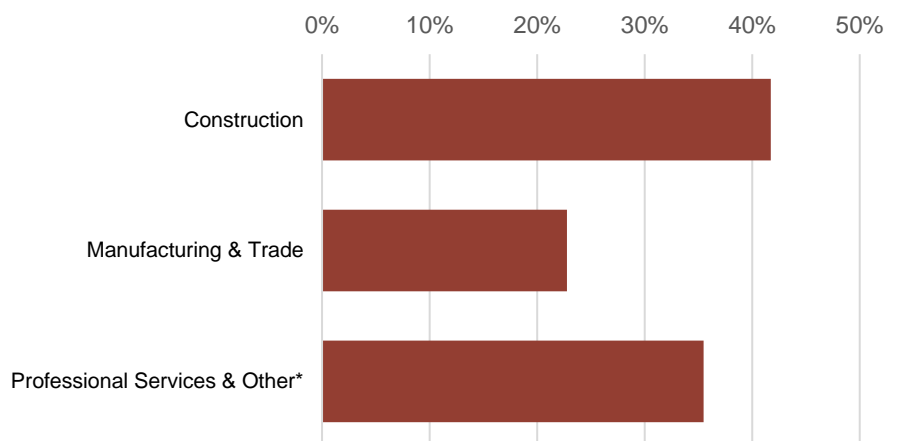


1,637
EE businesses in
Vermont

EE construction
workers comprise
28% of Vermont's
construction workforce

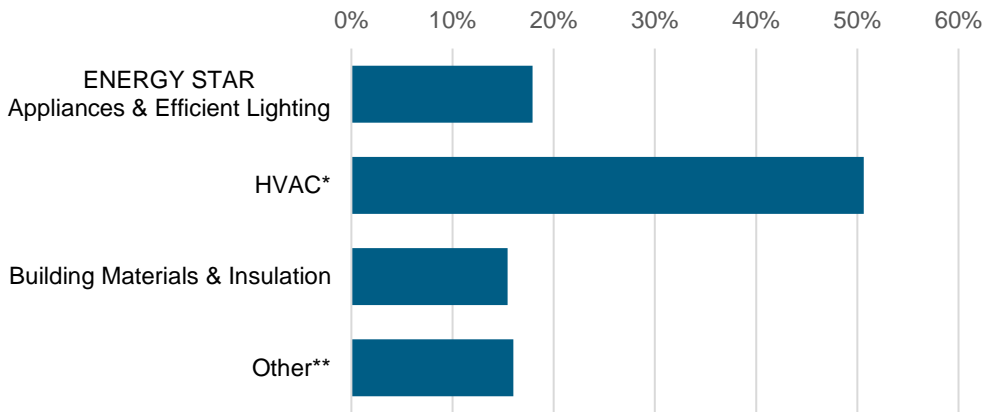


What type of work do energy efficiency firms do?



*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?



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

8%
 of Vermont
 EE workers are
Veterans

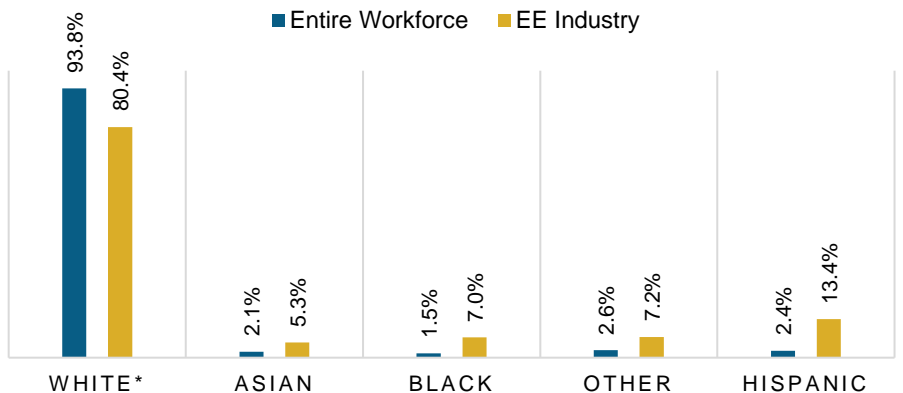


How is EE doing on diversity in Vermont?

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 Vermont 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.

Vermont EE Industry by Race and Ethnicity



*Includes non-Hispanic and Hispanic whites.

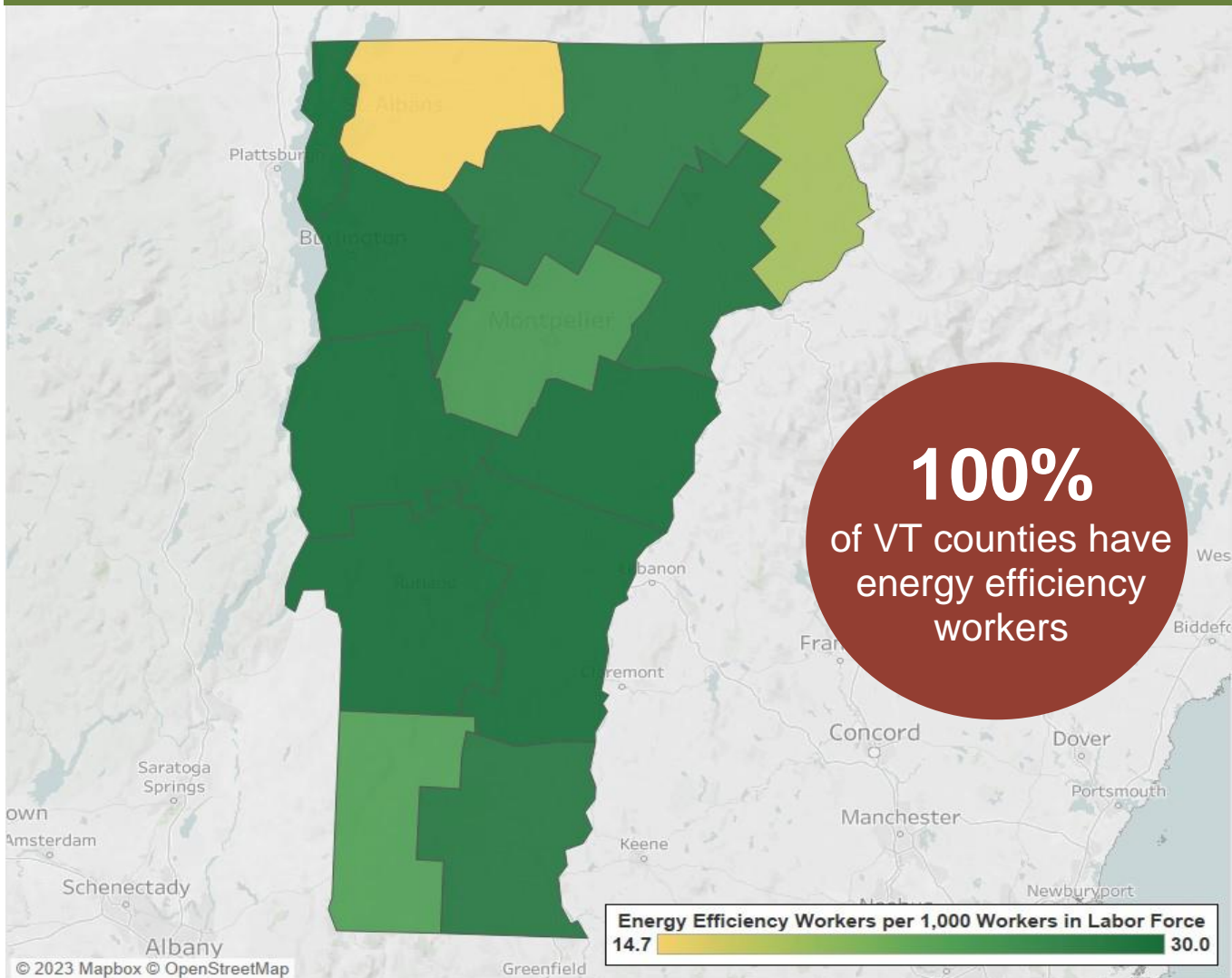
Gender in the Vermont EE Workforce



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 | 10,184 | Burlington-South Burlington | 4,775 |
| | | Rural | 5,409 |

State Senate

| District | Jobs | | District | Jobs | | District | Jobs | | District | Jobs |
|----------|------|--|----------|-------|--|----------|------|--|----------|------|
| ADD | 726 | | CHI | 2,252 | | ORA | 314 | | WSR | 788 |
| BEN | 616 | | E-O | 513 | | RUT | 904 | | | |
| CAL | 782 | | FRA | 501 | | WAS | 935 | | | |
| CGI | 834 | | LAM | 319 | | WDM | 701 | | | |

State House of Representatives

| District | Jobs | | District | Jobs | | District | Jobs | | District | Jobs |
|----------|------|--|----------|------|--|----------|------|--|----------|------|
| A-1 | 147 | | C71 | 476 | | LM2 | 241 | | W-1 | 301 |
| A-2 | 94 | | C81 | 265 | | LMW | 12 | | W-3 | 289 |
| A-3 | 148 | | C83 | 20 | | O-1 | 171 | | W-5 | 55 |
| A-4 | 233 | | C91 | <10 | | O-2 | 81 | | W-6 | 32 |
| A-R | 103 | | CA1 | 180 | | O-C | 77 | | WA1 | 320 |
| B-1 | 196 | | CA2 | 59 | | O-L | 18 | | WA5 | 49 |
| B-3 | 118 | | CA4 | 113 | | OLC | 33 | | WA6 | <10 |
| B-4 | 102 | | CAW | 102 | | OR1 | 387 | | WA7 | 678 |
| B-R | 160 | | E-C | 48 | | OR2 | 15 | | WAC | 189 |
| C-1 | 115 | | ECO | 83 | | OWA | 133 | | WBW | 63 |
| C10 | 155 | | F-1 | 242 | | R-1 | 101 | | WIB | 51 |
| C-2 | 450 | | F-2 | 37 | | R-2 | 53 | | Y-1 | 225 |
| C-3 | 96 | | F-4 | 148 | | R-3 | 18 | | Y-2 | 153 |
| C41 | 72 | | F-5 | 30 | | R-4 | 402 | | Y31 | 22 |
| C51 | 93 | | F-6 | 69 | | R-6 | 51 | | Y41 | 26 |
| C61 | 59 | | F-7 | 11 | | R-B | 58 | | YO2 | 84 |
| C62 | 574 | | GIC | 96 | | R-W | 188 | | Y-R | 112 |
| C67 | 354 | | LM1 | 111 | | RW2 | 131 | | | |



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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