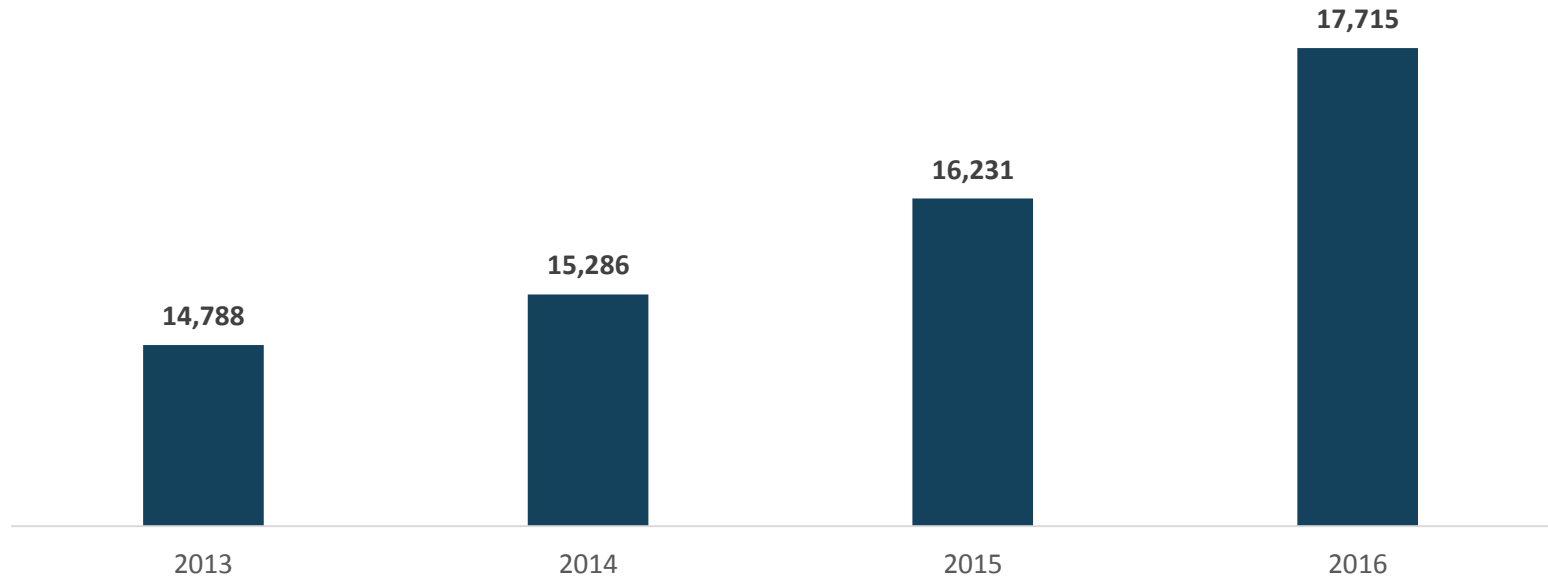


Vermont Public Service
Department
Clean Energy Development Fund
2016 Clean Energy Industry Report
Prepared by BW Research
Partnership

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**Figure 1. Vermont Clean Energy (CE) Industry
Employment, 2013-2016**



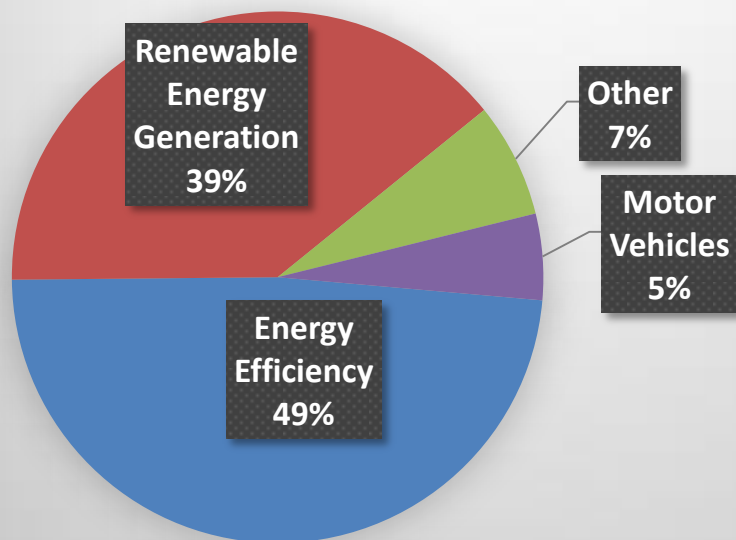
- **The Vermont CE cluster employs 17,715 workers at business establishments throughout the state, which represents approximately 6% of the state's workforce. The growth rate since 2013 was 19.8%.**
- **Installation accounts for 7,518 workers or 42% of CE workers, with engineering/research/professional services coming in with 4,170 workers (24%) and trade/distribution/transport counting 3,104 (18%).**

Workers Vs. FTE Jobs.

The Report tracks the number of workers/jobs when any amount of the work includes work in the clean energy industry, and does not try to identify the full time equivalents of the work done in the clean energy sector.

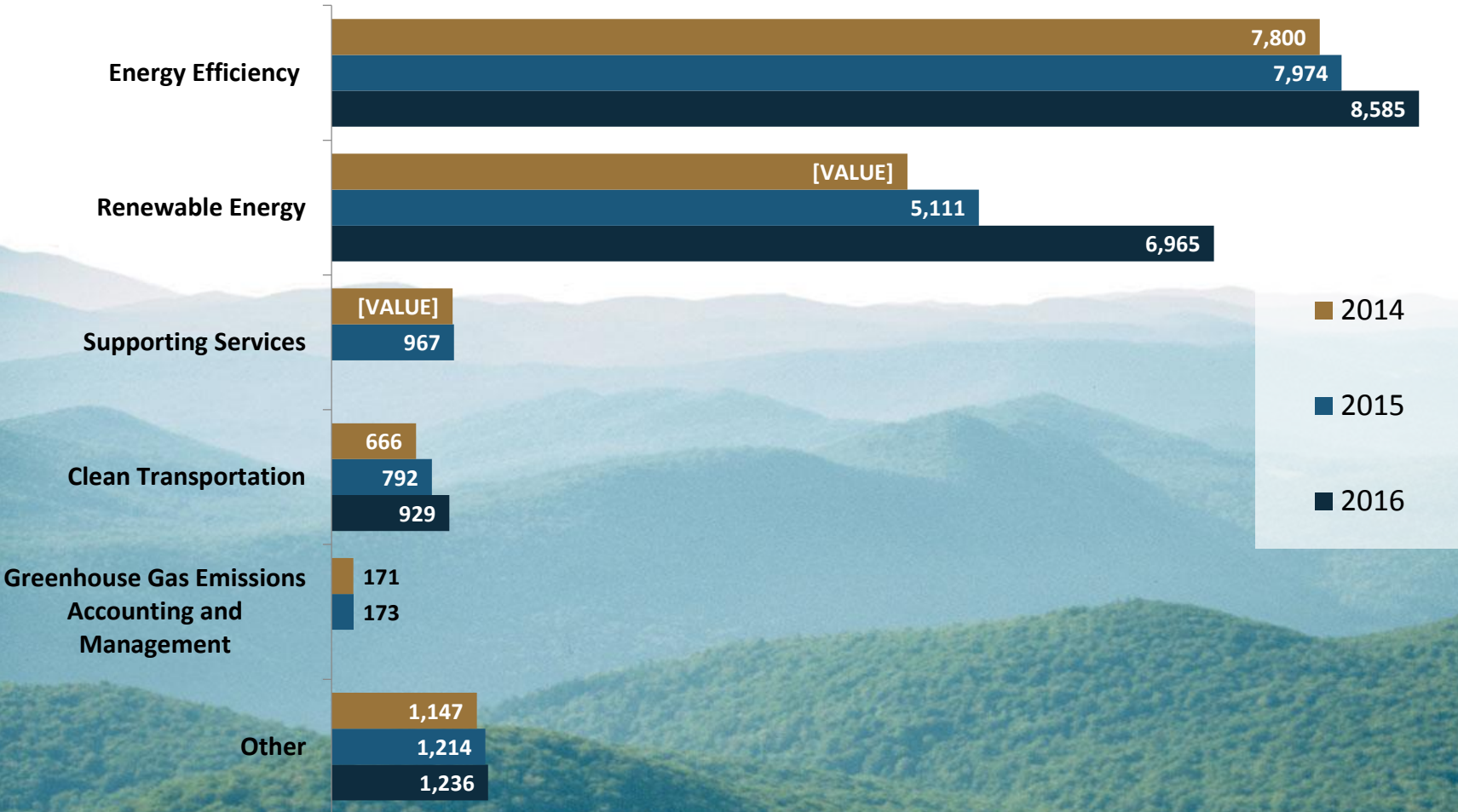
- 72% of the reported energy efficiency workers spend at least half of their time supporting the energy efficiency portion of their business
- 71% of renewable energy (RE) workers spend at least half of their time on RE and 57% were reported to spend 100% of their time supporting renewable generation activities.

Clean Energy Technology Employment Breakdown, 2016



- Energy efficiency continues to form the largest segment, employing 49% of the CE workforce, but renewable energy workers expanded in 2016 again with 6,965 workers (39% of the total).
- Among renewable energy technologies, the solar sub-sector increased to more than 2,100 workers or 30.5% of all renewable energy workers.
- Workers in the woody biomass sector constituted 1,500 followed by non-woody biomass at 940, then renewable heating and cooling at 933.
- Wind hired 369 workers followed by hydro at 375.

Employment Growth by Technology, 2014-2016



Methodology

- The survey was developed by BW Research Partnership & conducted by both telephone and web; Castleton Polling Institute conducted the phone calls
- Excludes any employment in the retail trade NAICS codes—fuel dealers, motor vehicle dealership, appliance and hardware stores, and other retail establishments.
- Includes sole-proprietors (U.S. BLS does not)
- The margin of error at the 95% level of confidence for energy establishments in Vermont is +/- 5.54%.