## 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. The Report doesn't calculate FTEs for the part-time workers but does capture the \% of time the workers spend on clean energy activities. The survey does ask EE and RE companies what \% of their CE employees work full time and at least half time on clean energy activities:

- Of the 8,585 reported EE workers $72 \%(6,181)$ of workers spend at least half of their time, and $38 \%(3,262)$ all of their time on energy efficiency activities.
- Of the reported 6,965 RE workers $71 \%(4,945)$ of workers spend at least half of their time on RE work and $57 \%(3,970)$ were reported to spend all of their time supporting renewable generation activities.


# Clean Energy Technology Employment Breakdown, 2016 



## 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 $+/-5.54 \%$.

