

Vermont Public Service Department Clean Energy Development Fund

2017 Clean Energy Industry Report & CEDF Overview

Andrew Perchlik

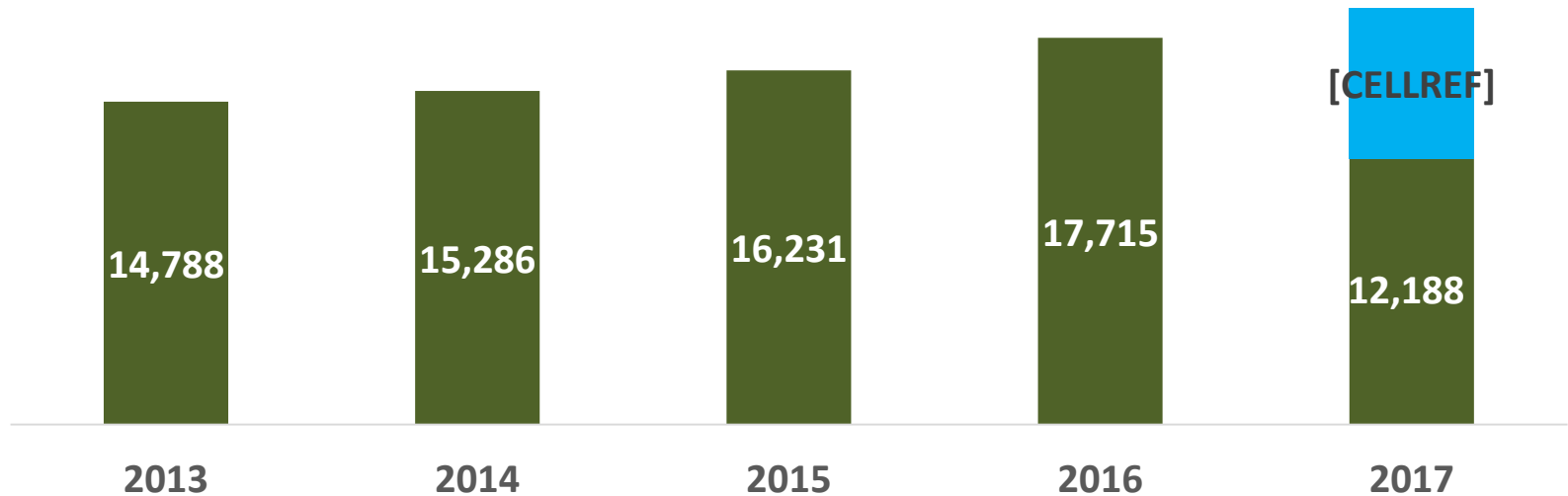
andrew.perchlik@Vermont.gov

802-828-4017

www.publicservice.vermont.gov



Vermont Clean Energy (CE) Industry, # of workers, 2013-2017



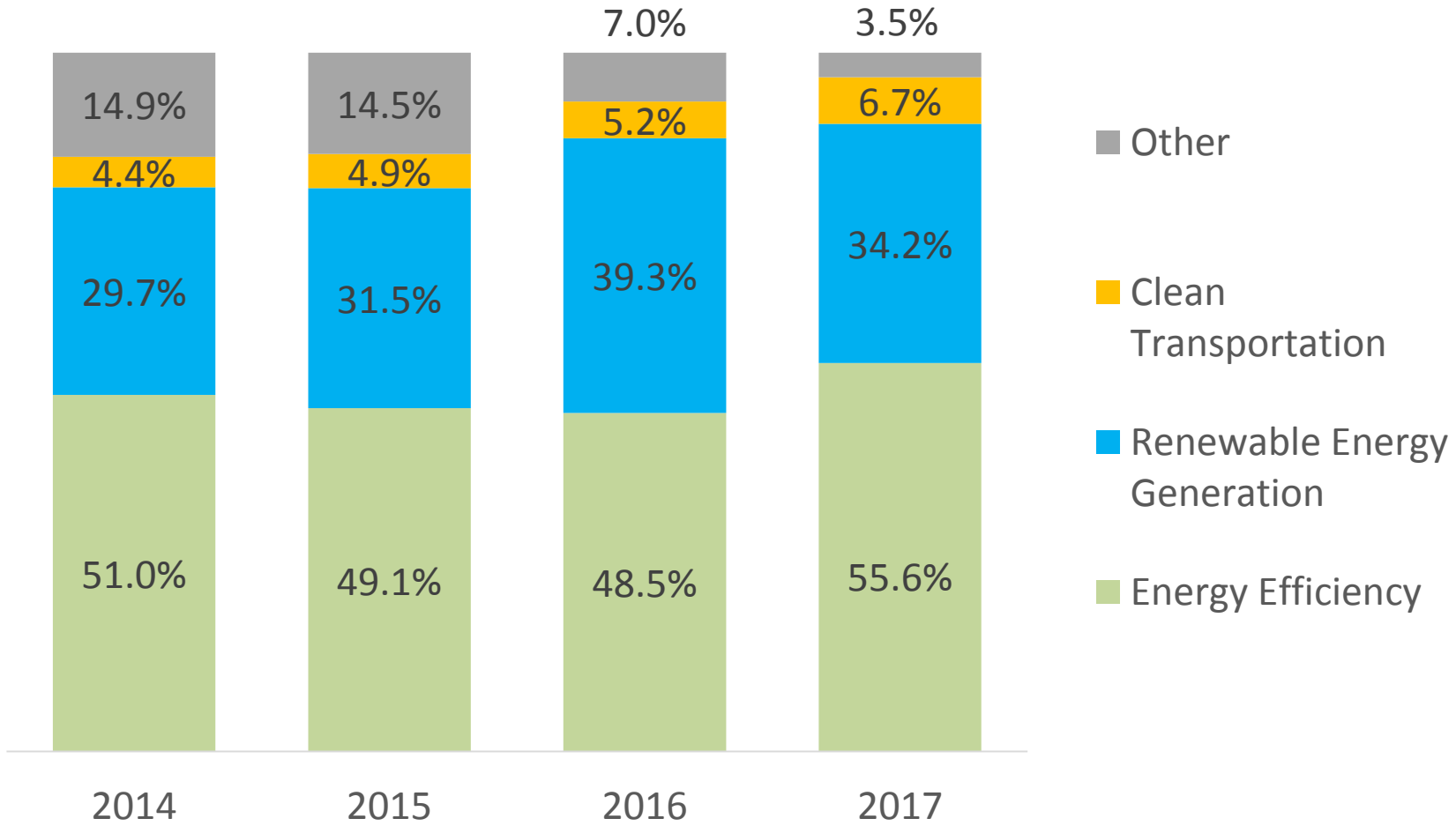
- The state is home to 3,751 clean energy establishments
- Since 2013 Vermont has seen 29% growth in clean energy employment and currently has 19,000 workers engaged in the industry
- Despite employment gains in the sector's largest sub-technology (solar), employment in renewable energy shrank by about six percent in 2017
- Energy efficiency work remains the bulk of activity across the state's clean energy industry. The sector saw employment increase by 24 percent, or about 2,000 jobs.

Workers Vs. FTE Jobs.

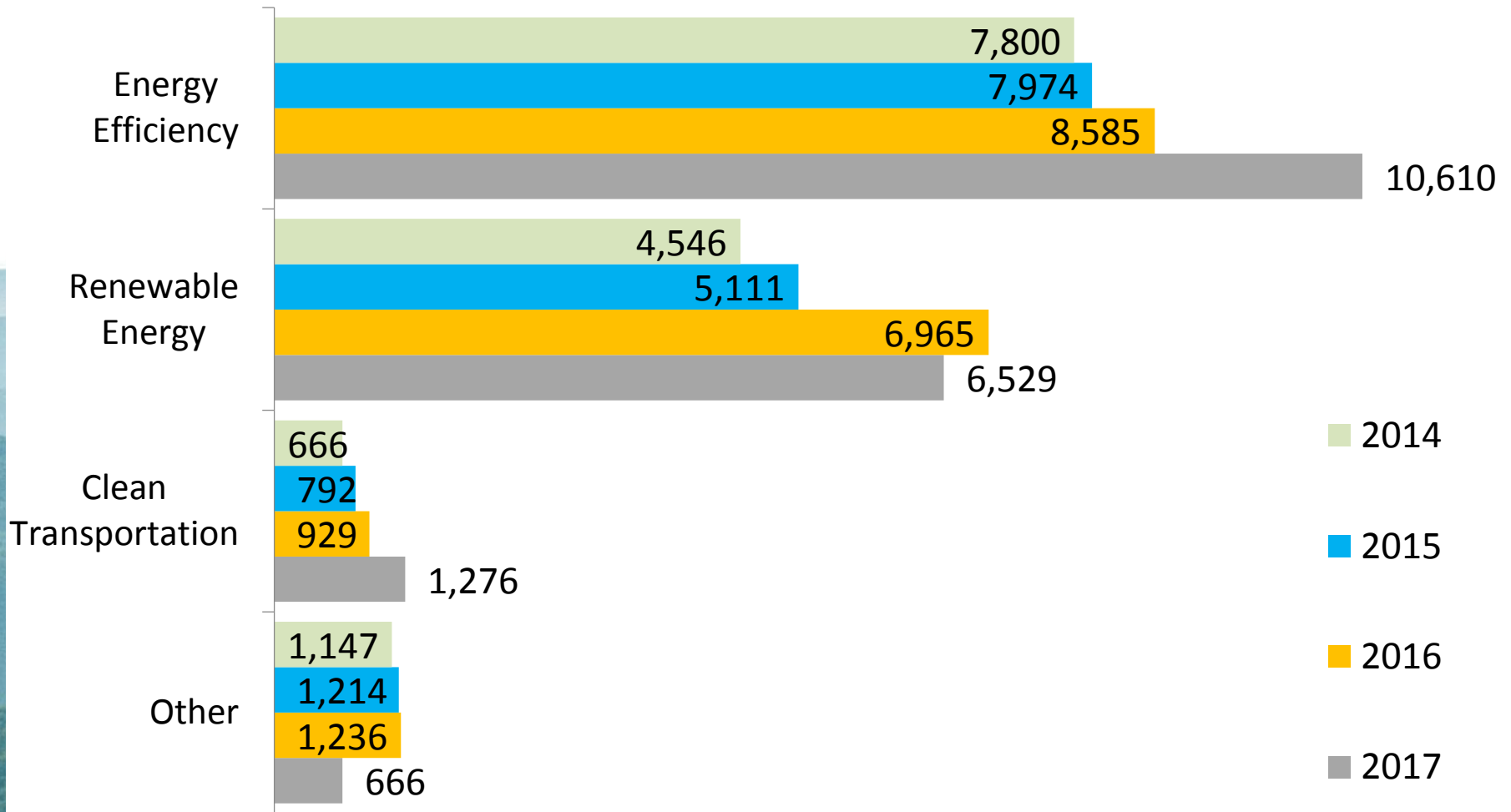
The Report did not calculate FTEs for part-time workers but did capture the % of time workers spent on energy efficiency (EE) and renewable energy (RE) activities.

	Workers that spend <u>at least 50 percent</u> of their time				Workers that spend <u>100 percent</u> of their time			
	2014	2015	2016	2017	2014	2015	2016	2017
Renewable Energy			71%	77%			57%	69%
Energy Efficiency	75%	70%	72%	65%	55%	55%	38%	56%

2014-17 Clean Energy Technology Employment



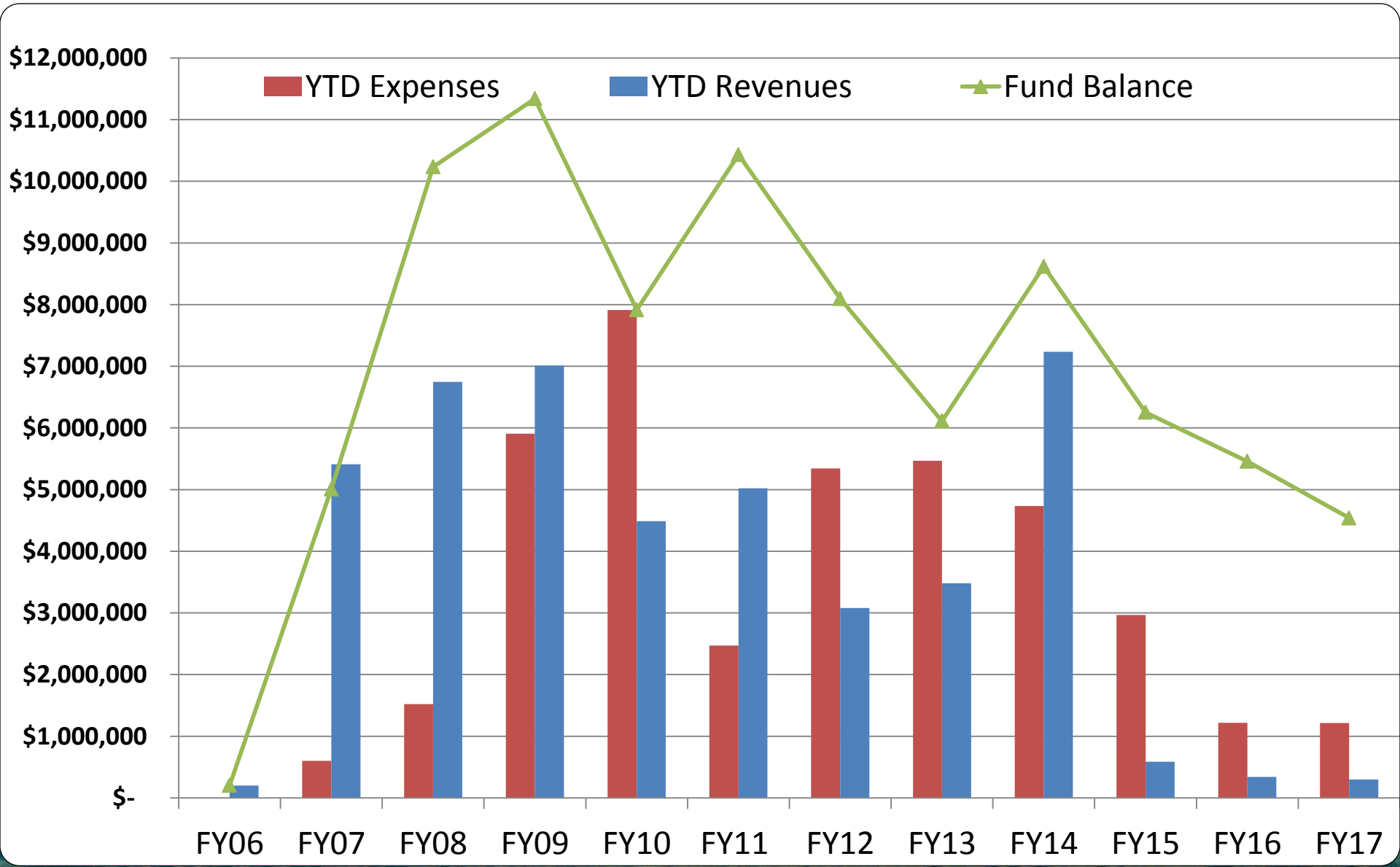
Employment Growth by Technology, 2014-2017



Methodology

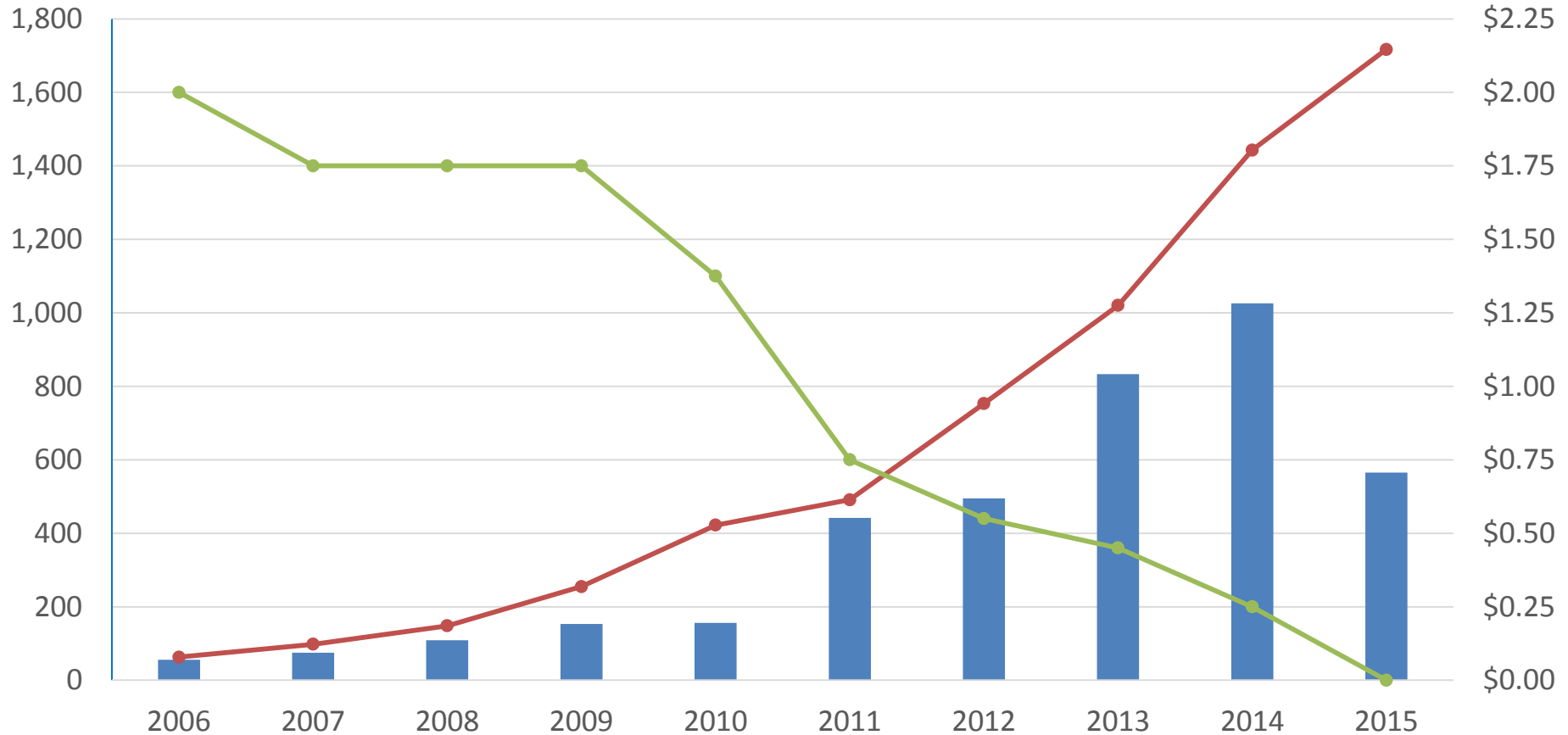
- The survey was developed by BW Research Partnership & conducted via telephone and web; Castleton Polling conducted the phone calls
- Data for this year's report is derived from the United States Energy and Employment Report (USEER).
- Excludes any employment in the retail trade NAICS codes—fuel dealers, motor vehicle dealerships, 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%.

CEDF's Annual (Fiscal Year) Expenses, Revenues, and Fund Balance 2006 - 2017



PV Market Development in Vermont 2006 - 2015

■ CEDF PV Systems Installed ● Net Metering PV Applications ● CEDF's Residential PV Incentive \$/watt



CEDF Obligations

Fund Balance as of 9/30/17	\$ 4,180,360
<u>Programs</u>	<u>\$ Obligated as of 9/30</u>
Windham County Programs	1,740,779
Small-Scale Incentive Program (contract & Incentives)	1,134,727
Signed Grants	596,148
MOUs and interagency agreements	157,000
Program Evaluation	125,000
Clean Energy Industry Survey (<i>for '17 and '18 reports</i>)	40,000
Program Management and Administration	121,826
VEDA Loan Servicing Fees	17,868
TOTAL	\$ 3,933,349

CEDF Goals

