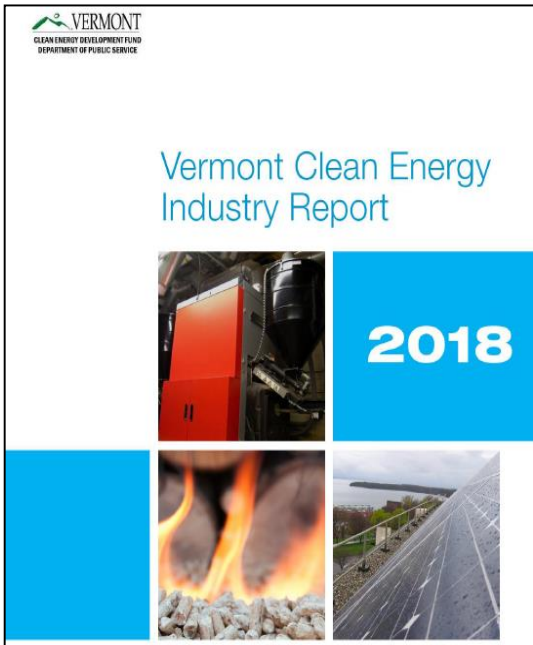


VERMONT CLEAN ENERGY INDUSTRY REPORT



*“The state is home to approximately **18,800** clean energy workers.”*

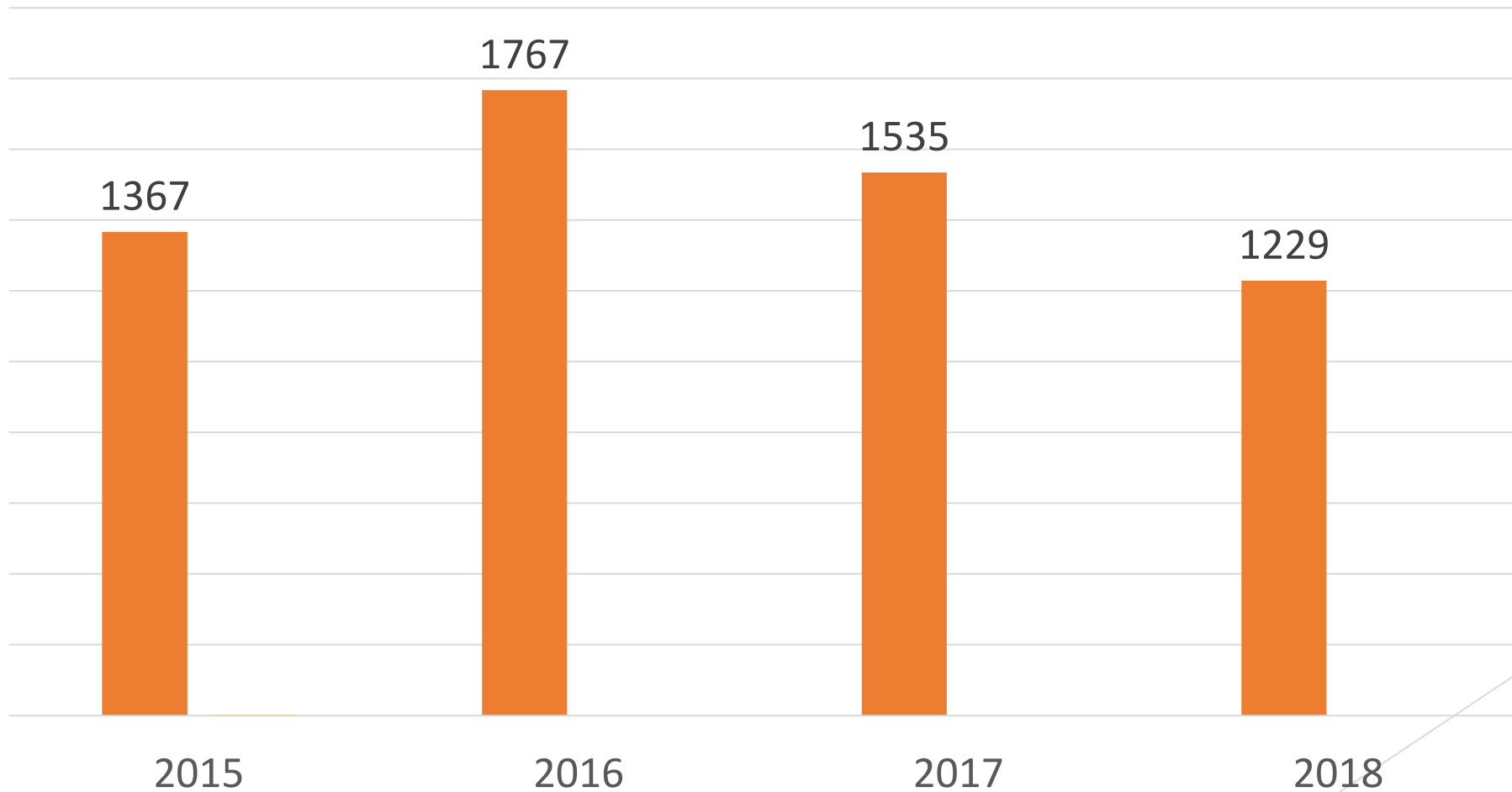
*“Clean energy jobs in Vermont provide higher median hourly earnings—about **\$26.71**.”*

“[S]olar jobs do remain the largest segment of Vermont’s renewable electricity workforce, accounting for just over a third of total renewable energy workers”

“For the first time since the Vermont Clean Energy Industry Report’s inception in 2013, the state’s clean energy economy exhibited a decline in employment, driven largely by losses in the solar industry.

... In Vermont, the shedding of [215] solar jobs came alongside a decline in solar installations over the same period of about 9%.”

Vermont Lost 538 Solar Jobs in last 2 years



Project Capacity	7/1/2017 - 2/12/2018	7/1/2018 - 2/12/2019
<= 15 kW	1,586	1,070
15 kW - <u>≤</u> 150 kW	76	71
>150 kW - <500 kW	2	8
500 kW	15	12
Total	1,679	1,161

New Solar Project Applications Dropped 31%

Alternative Options

- ▶ Increase the GRT on gas
- ▶ Apply the GRT to wholesale electricity sales 5 MW and greater
- ▶ Apply fees on projects 5 MW and greater
- ▶ Audit bill back collections & more timely billing from DPS & other state agencies
- ▶ Utilize bill back authority for contested cases for larger projects

Administration \$ request = \$600,000

Additional / New GRT revenue

	FY 20	FY 21	FY 22
GRT – gas	0.00525	0.006	0.00675
additional/ new GRT revenue - gas	\$ 232,714	\$ 310,285	\$ 387,856
GRT - electric	0.00525	0.0055	0.00575
additional/ new GRT revenue - electric	\$ 275,283	\$ 550,566	\$ 825,849
GRT - wholesale electricity sales 5 MW+	0.00525	0.0055	0.00575
Additional/ new GRT revenue 5 MW+	TBD	TBD	TBD

CPG Application Fee Options

Registration amendment fees	
	Total fee revenue
\$25/ registration amendment	TBD
\$75/ non-registration amendment	TBD

Option 1	Total kW - FY 18	\$/ registration	\$/ kW fee	Total fee revenue
≤ 50 kW	24,367	\$ 50		\$ 154,000
>50 kW registration		\$ 100		TBD
>50 kW non registration	70,760		\$ 4.00	\$ 283,040
Total				\$ 437,040

Option 2	Total kW - FY 18	\$/ registration	\$/ kW fee	Total fee revenue
≤ 500 kW	71,057		\$ 3.00	\$ 213,171
> 500 kW	24,070		\$ 5.00	\$ 120,350
Total				\$ 333,521

Option 3	Total kW - FY 18	\$/ registration	\$/ kW fee	Total fee revenue
< 50 kW	24,367	\$ 50		\$ 154,000
>50 kW to <150 kW	18,676		\$ 4.00	\$ 74,704
>150 kW	52,084		\$ 5.00	\$ 260,420
Total				\$ 489,124

PUC Disposition of Net Metering vs. Telecom Cases

FISCAL YEAR 2018 (7/1/2017 -6/30/2018)

Net Metering CPGs (not inc. registrations)				Section 248a Telecommunications CPG			
Total Filed				Total Filed			
80				154			
Time to Disposition	60 days	6	8%	Time to Disposition	60 days	129	84%
	61-90 days	13	16%		61-90 days	21	14%
	91-180	23	29%		91-180 days	2	1%
	181+ days	19	24%		181+ days	1	1%
	withdrawn/dismissed	5	6%		withdrawn/dismissed	1	1%
	Pending on 2/9/2019	14	18%		Pending on 2/9/2019	0	0%

Data from ePUC. Disposition from date of filing to final order/CPG.

Net metering CPGs = "Applications" and "Petitions" under PUC Rules 5.106 and 5.107.

Only 4 of the pending net metering cases were ordered a hearing.



Need to create efficiency in government operations and certainty for Vermonters generating their own renewable electricity by establishing clear timelines / process and certainty for CPG application review and permitting.

REV proposes language mirroring existing statute related the Public Utility Commission's timelines for review of local telecommunications and wireless projects.

Recommend adding to 30 VSA § 8001:

(a) The General Assembly finds it in the interest of the people of the State to promote the State energy policy established in section 202a of this title by:

(9) Establishing mandatory timeframes for review and approval of renewable energy systems.

(c) Except for net-metering systems for which the Public Utility Commission has established a registration process pursuant to its authority under section 8010 of this chapter, the Public Utility Commission shall issue a final determination on an application filed pursuant to section 8010 within 60 days of its filing or, if the original filing did not substantially comply with the Public Utility Commission's rules, within 60 days of the date on which the Commission notifies the applicant that the filing is complete, unless the Commission determines that the application raises a significant issue. If the Commission determines that an application raises a significant issue, it shall issue a final determination on an application filed pursuant to section 8010 within 180 days of its filing or, if the original filing did not substantially comply with the Public Utility Commission's rules, within 180 days of the date on which the Commission notifies the applicant that the filing is complete.



Olivia Campbell Andersen, Executive Director

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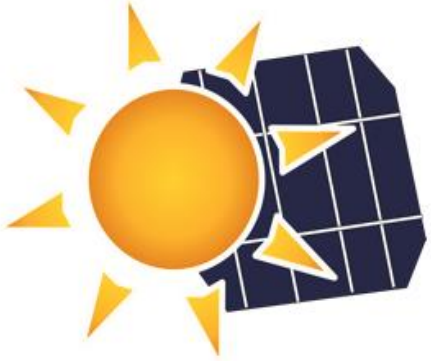
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Solar in Vermont



In 2016, for every **1kW** of net metered solar, electric ratepayers **saved 6 cents** in lower regional capacity and transmission charges.⁵

Independent Expert Analysis Shows Local Benefits

Economic

1,535 full-time jobs in solar trades & **\$22+ million** added to the local economy in 2017



Health & Environmental



\$1+ million/year in emissions reductions CO₂, NO_x, SO_x

Utility

Increased grid efficiency & modernization; substations, line improvements, etc. paid for by net metered customers.



Community

\$1.7 million/year in state tax revenue annually in just the Green Mountain Power service territory.



**For Less Than a Nickel a Month
Net Metering Creates Many Benefits for Vermonters**



⁵Tariff Filing 8618 2017 GMP Base Rate Filing; Larkin & Associates, PLLC. Analysis of Rate Year Ending September 30, 2017, Green Mountain Power Corporation

Net Metering 2.0

Non-bypassable Charges

Net metering customers pay the following charges on their electric bill:

- ▶ Utility Customer Charge
- ▶ Energy Efficiency Charge
- ▶ Energy Assistance Program Charge