

VPPSA 2018 Tier 3 Annual Plan

1/24/18



VPPSA Members

Barton Village, Inc. Electric Department (1893) 2,170

Village of Enosburg Falls Water & Light Department (1896) 1,706

Town of Hardwick Electric Department (1897) 4,492

Village of Hyde Park Electric Department (1894) 1,383

Village of Jacksonville Electric Company (1904) 700

Village of Johnson Water & Light Department (1894) 944

Village of Ludlow Electric Light Department (1900) 3,758

Village of Lyndonville Electric Department (1894) 5,664

Village of Morrisville Water & Light Department (1895) 3,986

Northfield Electric Department (1894) 2,223

Village of Orleans Electric Department (1925) 669

Swanton Village, Inc. Electric Department (1894) 3,632



VPPSA Tier 3 Obligation (Aggregate)

VPPSA Tier 3 Requirement					
Year	% of sales	MWH	MMBTU	ACP	Max Tier 3 Cost
2017				\$60	\$0
2018				\$61	\$0
2019	2.00%	7,105	67,787	\$62	\$443,512
2020	2.67%	9,492	90,566	\$64	\$604,396
2021	3.33%	11,855	113,105	\$65	\$769,910
2022	4.00%	14,282	136,267	\$66	\$946,128
2023	4.67%	16,672	159,063	\$68	\$1,126,490
2024	5.33%	19,163	182,836	\$69	\$1,320,750
2025	6.00%	21,613	206,209	\$70	\$1,519,382
2026	6.67%	24,133	230,256	\$72	\$1,730,490
2027	7.33%	26,678	254,538	\$73	\$1,951,246
2028	8.00%	29,268	279,241	\$75	\$2,183,429
2029	8.67%	31,795	303,353	\$76	\$2,419,401
2030	9.33%	34,394	328,153	\$78	\$2,669,534
2031	10.00%	37,014	353,153	\$79	\$2,930,373
2032	10.67%	39,764	379,393	\$81	\$3,211,067
TOTAL		323,228	3,083,921		\$23,826,106



Electric Vehicle Pilot Program

- ▶ Partner with VT EV dealers to offer incentives for the purchase or lease of electric vehicles (EVs) and plug-in hybrid electric vehicles (PHEVs.)
- ▶ Outreach done through bill stuffers, email, social media, and dealer marketing.
- ▶ Rebate Levels:
 - ▶ \$800 for an EV
 - ▶ \$400 for a PHEV
 - ▶ Additional incentive for low-income customers (\$200)



EV Pilot Program Budget

Vehicle Type	Customer Incentive	Marketing/Admin	Total Cost	# of cars	VPPSA Cost	Savings per car (MWH)	Total Savings (MWH)	\$/MWH
BEV	\$800	\$ 256	\$1,056	10	\$10,556	24.6	246	\$42.91
PHEV	\$400	\$ 256	\$656	80	\$52,445	13.7	1096	\$47.85
BEV/LI	\$1,000	\$ 256	\$1,256	5	\$6,278	24.6	123	\$51.04
PHEV/LI	\$600	\$ 256	\$856	5	\$4,278	13.7	68.5	\$62.45
TOTAL				100	\$73,556		1533.5	\$47.97



Potential Tier 3 Custom Projects

- ▶ Custom projects for Commercial and Industrial customers will be evaluated on a case-by-case basis.
- ▶ Several VPPSA members have identified customers that are candidates for converting from diesel generators to electric service.

