

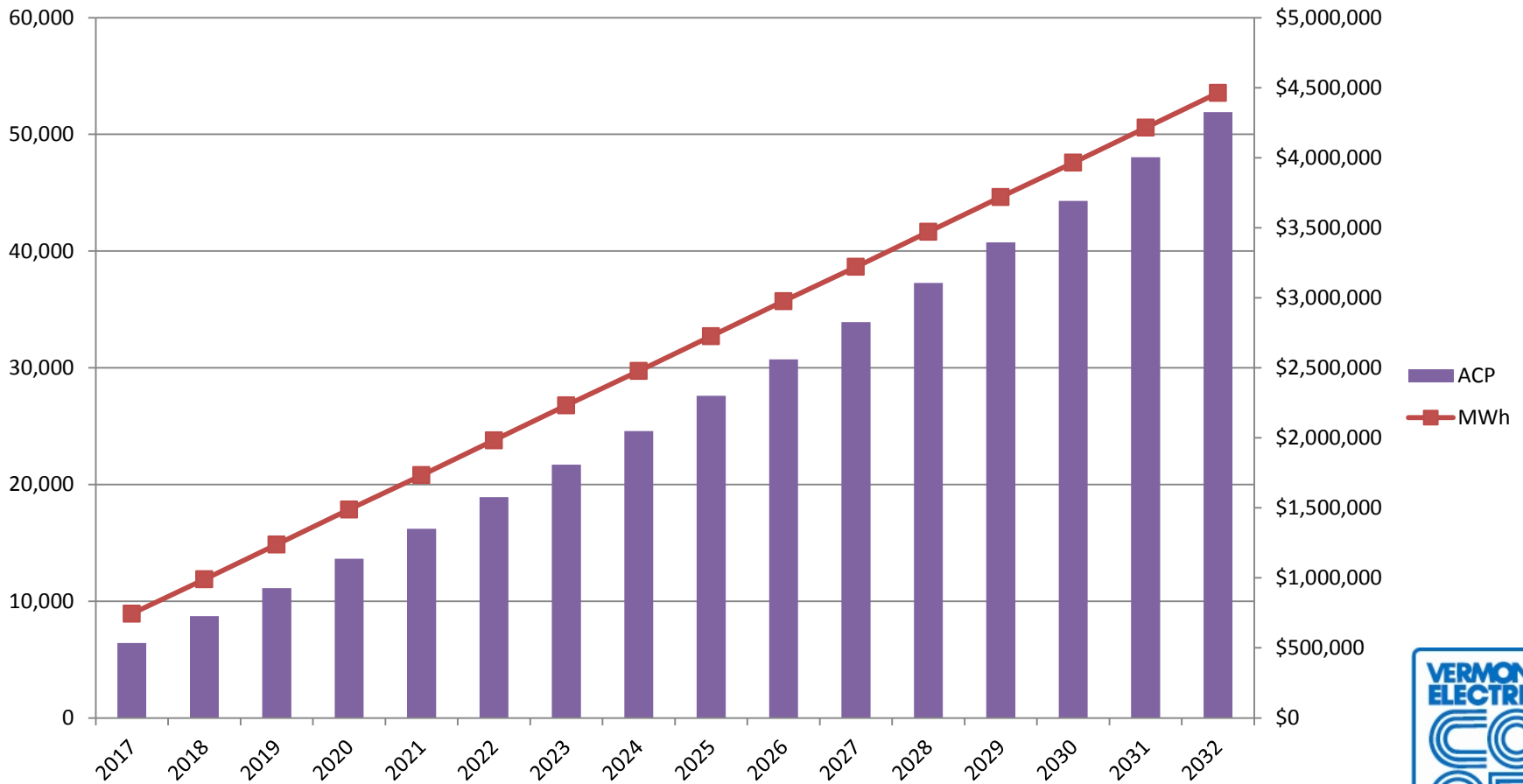


2019



# Tier III Requirements

## Expected Tier III MWh Targets and ACP



# 2019 Plan Summary

2019 Requirement ~ 14,806 MWh

| Program           | # of Units/<br>Projects | Average<br>MWh/Unit | MWh<br>Savings | % of 2019 Goal |
|-------------------|-------------------------|---------------------|----------------|----------------|
| CAP               | 2*                      | 537*                | 1,074*         | 7%             |
| CCHP              | 200                     | 25                  | 5,000          | 34%            |
| HPWH              | 30                      | 3**                 | 90             | 1%             |
| Pellet Stoves     | 50                      | 11**                | 550            | 4%             |
| EV                | 30                      | 32                  | 960            | 6%             |
| PHEV              | 30                      | 24                  | 720            | 5%             |
| Forklifts         | 5                       | 72                  | 360            | 2%             |
| <b>2019 Total</b> | 345                     |                     | 8,754          | 59%            |

*\*Will change as more projects are approved.*

*\*\*Reflects credit-sharing with Efficiency Vermont.*



# Tier III Results to Date

(estimates as of 11/20/18)

|                  | 2017   | 2018   | 2019   |
|------------------|--------|--------|--------|
| Requirement      | 8,883  | 11,845 | 14,806 |
| Projected Actual | 11,467 | 13,783 | 8,754  |
| Running Balance  | 2,584  | 4,522  | -1,529 |



# Clean Air Program

**Purpose:** Provide discounted electric infrastructure to off-grid or underserved homes and businesses

**Total projects completed:** 9

**Project cost:** \$12k - \$140k, average \$50k

**VEC share of cost:** \$5k - \$32k, generally about 22%

**Total VEC program cost:** \$105k

**Total expected lifetime MWh:** 18,147



# Clean Air Program



# Thermal Measures - 2019

***Cold Climate Heat Pumps*** – 200 units - \$300

***Heat Pump Water Heaters*** – 25 units - \$150

***Pellet Stoves*** – 25 units - \$150

***Zero Energy Modular (ZEM) home*** - \$500

Photo Credit: Efficiency Vermont



# Transportation Measures - 2019

**Electric Vehicles** - \$500 for purchase, \$100/yr for lease

**Plug-in Hybrid EVs** - \$250 for purchase, \$50/yr for lease

**Level 2 Charging Stations** - \$500/head

**Electric forklifts** - \$1,000

**Promotion:** newsletters, bill inserts, email, social media





# Other Measures - 2019

## *Storage and demand management*

- Water heater demand management program
- Residential battery options under consideration
- Utility-scale storage expected online in 2019

