

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the left and right sides of the page, framing the central text. The overall aesthetic is clean and modern.

Vermont Public Power Supply Authority

VPPSA Overview

- ▶ VPPSA is a Joint Action Agency created by the Vermont General Assembly on July 1, 1979 and codified as Title 30 VSA, Chapter 84.
 - ▶ VPPSA is one of about 60 Joint Action Agencies in the US.
 - ▶ VPPSA is an instrumentality of the State of Vermont.
 - ▶ Bonds or notes issued by VPPSA are exempt from taxation.
- ▶ The VPPSA Board of Directors consists of one director appointed from each member systems.
- ▶ Working together enables the municipal members to gain efficiency while maintaining local control.
- ▶ VPPSA has a staff of 13 with offices in Waterbury Center.

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 Members

- ▶ The VPPSA municipal electric utilities are governed by elected or appointed Select Boards, Village Trustees, or Electric Commissioners.
- ▶ VPPSA member utilities range in size from under 700 customers to about 5,500 customers.
- ▶ Member systems as well as VPPSA itself operate on a nonprofit basis, so there is no rate of return paid by the customer.
- ▶ VPPSA provides services to its 12 municipal utility members and 4 affiliates; utilities manage operations.

VPPSA Services

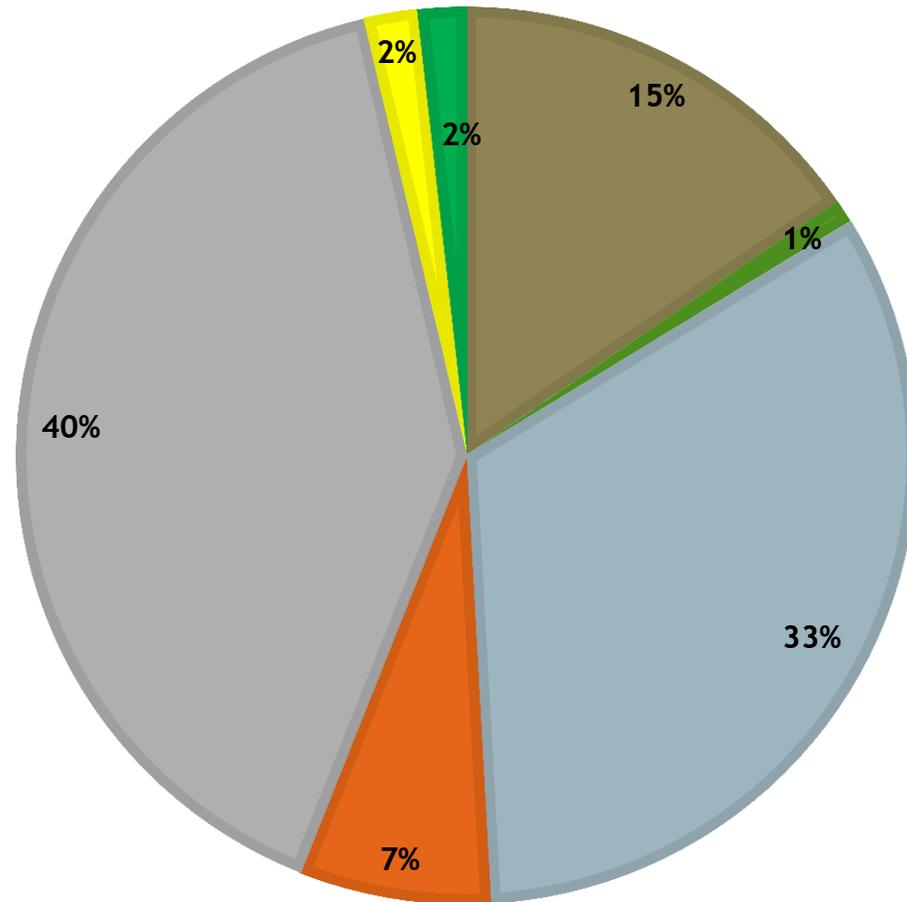
- ▶ Finance and Accounting Support
- ▶ Metering and IT Support
- ▶ Power Supply
 - ▶ Long-term and short-term energy forecasting and contracting
 - ▶ Daily interactions with the New England Market (ISO-NE)
 - ▶ Integrated Resource Planning (IRP)
 - ▶ Participation in regional ISO-NE Committees
- ▶ Ratemaking and Revenue Forecasts
- ▶ Regulatory and Legislative Support
 - ▶ Participation in relevant Public Service Board dockets and at VELCO
 - ▶ Federal legislative support, FERC representation, American Public Power Association

Existing Power Supply Resources

- ▶ 6 VPPSA member systems own hydro-electric resources within their territories.
 - ▶ Generation constitutes roughly 20% of VPPSA's Power Supply
- ▶ Members jointly own a peaking unit in Swanton (40 MW).
- ▶ VPPSA member systems are joint owners of the McNeil biomass plant in Burlington.
- ▶ Members make purchases through the Standard Offer Program and Rule 4.100 (VEPPI) contracts.

VPPSA Power Supply Sources

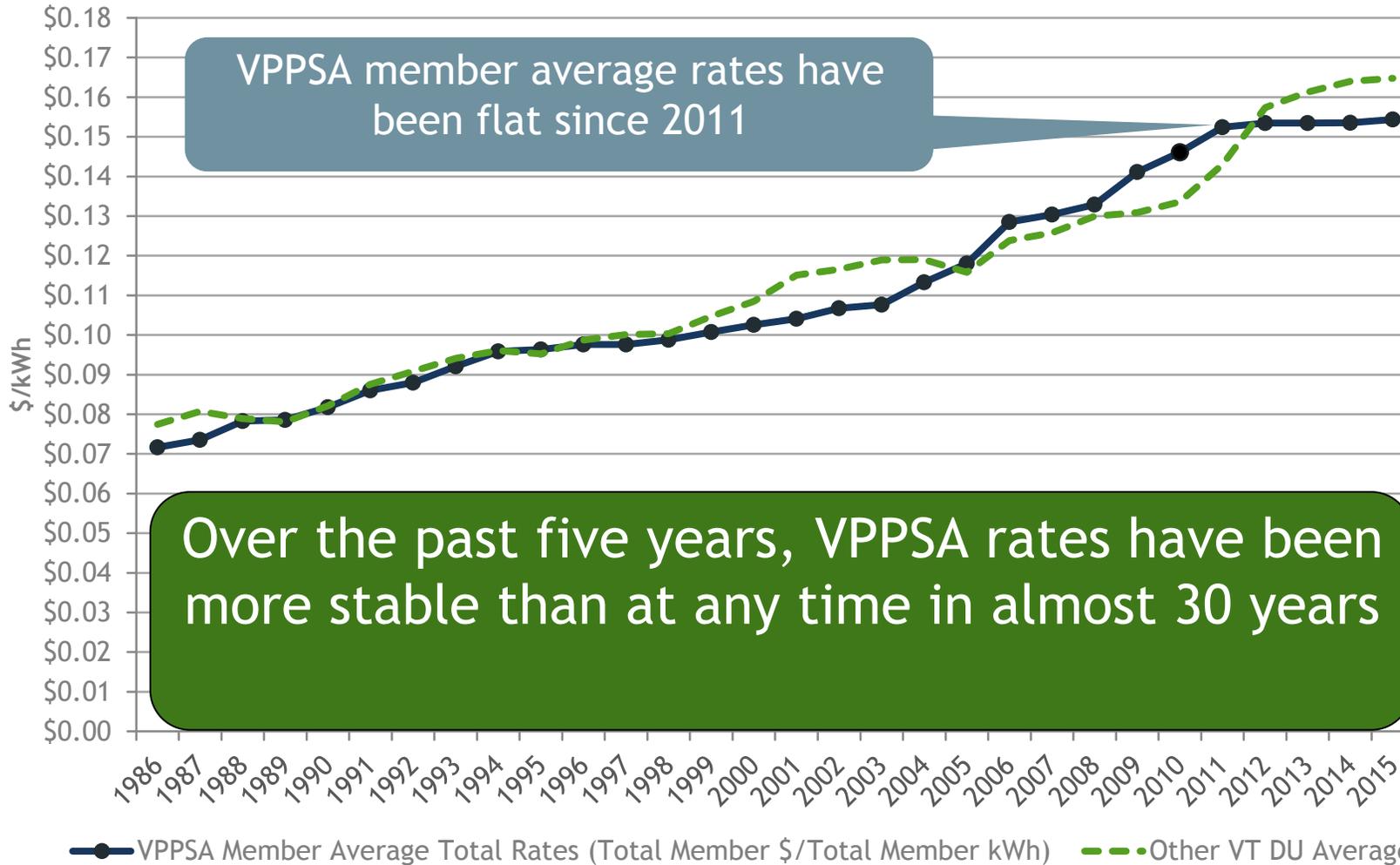
2016 FUEL MIX
(BEFORE THE SALE OF RECS)



- Biomass
- Fossil Fuel
- Hydro
- Landfill Gas
- Market Contract
- Solar
- Standard Offer

VPPSA Member Average Rates

VPPSA Member Average Rates
as Compared to an Average of all Other VT Distribution Utilities Rates*



VPPSA member average rates have been flat since 2011

Over the past five years, VPPSA rates have been more stable than at any time in almost 30 years

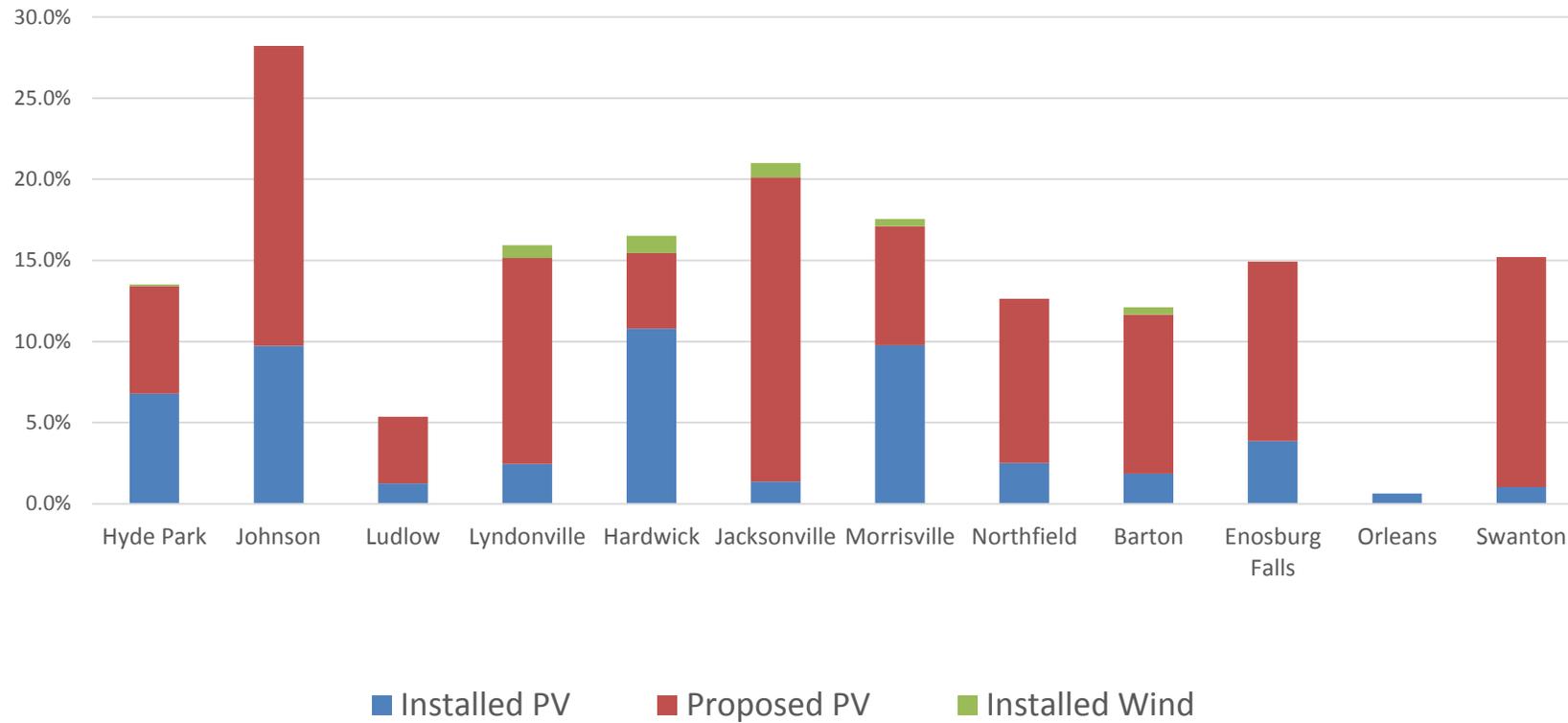
*All VT DU's given equal weight in average

Solar Development

- ▶ Lyndonville Standard Offer Projects
 - ▶ Awarded 2 Standard Offer Contracts in 2015 “utility block”
 - ▶ 2 solar projects to be located on abandoned Brownfield sites
 - ▶ Working with Northeastern Vermont Development Assoc.
- ▶ Morrisville Solar Project
 - ▶ Recently filed a CPG for a 1MW project at Trombley Hill
- ▶ Hyde Park Solar Project
 - ▶ 1 MW Waterhouse Solar Project
 - ▶ VPPSA helping to develop a “Community Solar” tariff using CEDF grant funds

VPPSA Net Metering

Net Metering Capacity as % of 2016 peak



Renewable Energy Standard

- ▶ The VPPSA member utilities have an aggregate obligation under Vermont's Renewable Energy Standard, which took effect this year.
 - ▶ VPPSA is securing resources for compliance with the distributed generation and overall renewable requirements under the RES.
- ▶ VPPSA's "Energy Transformation" obligation starts in 2019.
 - ▶ VPPSA is designing a Tier 3 Pilot Program likely to include:
 - ▶ Weatherization and Heat Pumps
 - ▶ Electric Vehicles and charging infrastructure
 - ▶ Biofuels for home heating
 - ▶ Energy Storage

Questions?

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