



Senate Finance

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Senate Finance Committee

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- 3 Deep Dive Topics:**
 - **Renewables**
 - **Customer Programs**



Public Power Utilities

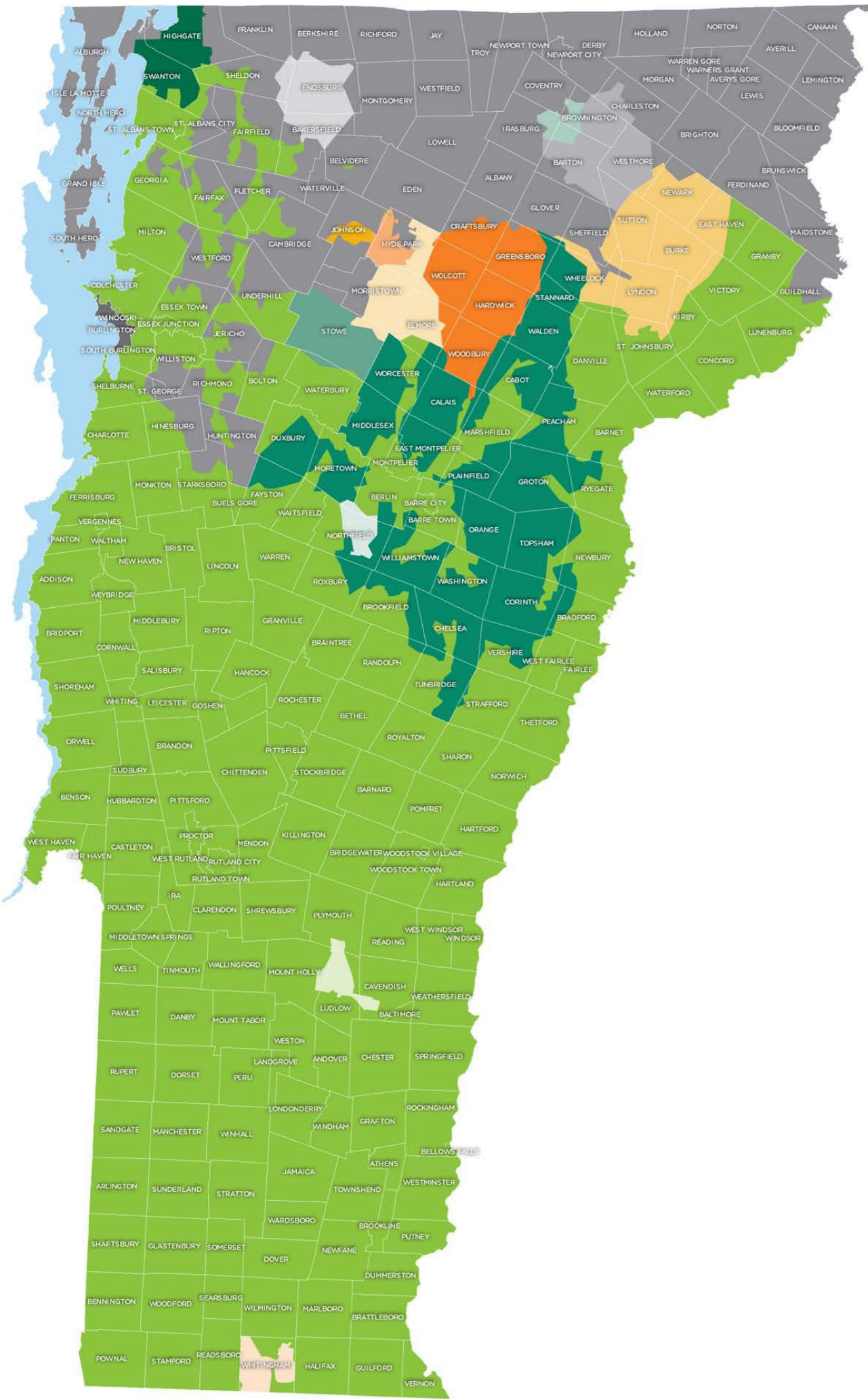


Electric Cooperatives



Investor-Owned Utilities

<p>Business Model:</p>	<p>Not for profit, community-owned</p>	<p>Not for profit, member-owned</p>	<p>For profit, shareholder owned</p>
<p>Governed By:</p>	<p>Elected/appointed boards: mayors, city council members, citizens</p>	<p>Member-elected boards</p>	<p>Private boards</p>
<p>Regulated By:</p>	<p>VT: PUC Other states: Elected/appointed municipal government boards</p>	<p>VT: PUC Other states: Member- elected boards or Public Utility Commission</p>	<p>VT and other states: PUC</p>



Public Power Utilities

VPPSA Members

- Barton Village Electric
- Village of Enosburg Falls
- Hardwick Electric Dept
- Jacksonville Electric Co.
- Village of Johnson
- Ludlow Electric Light Dept
- Lyndonville Electric Dept
- Morrisville Water & Light
- Northfield Electric Dept
- Orleans Electric
- Swanton Village

Other

- Burlington Electric Dept
- Hyde Park Electric Dept
- Stowe Electric Dept



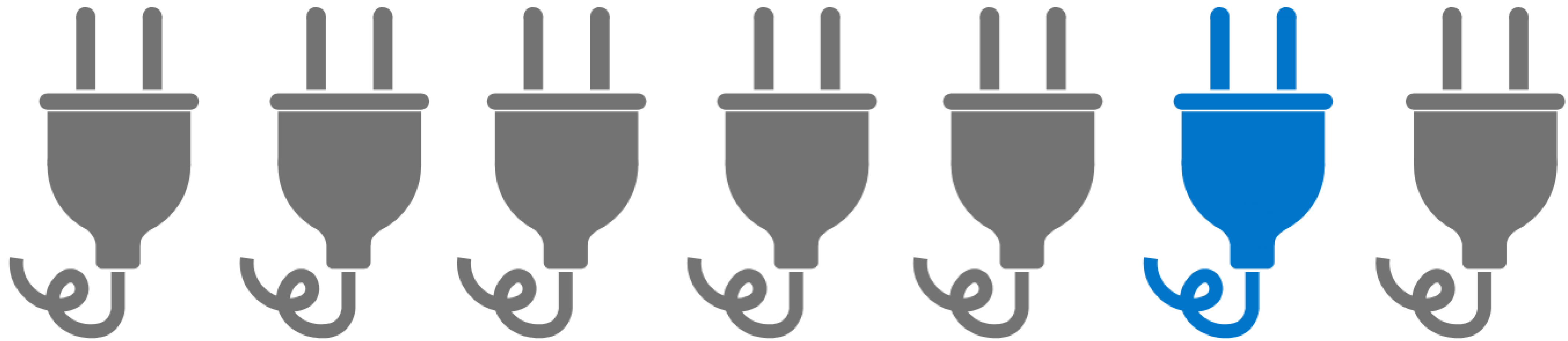
Electric Cooperatives

- Vermont Electric Coop
- Washington Electric Coop



Investor-Owned Utilities

- Green Mountain Power



1 in 7 Vermonters Are Served by **Public Power**.

Community is at the Heart of VPPSA.

About VPPSA

VPPSA was established by the Vermont Legislature in 1979.

- **Provide services and solutions to community-owned utilities**
- **Allow for beneficial consolidation while maintaining local control**

Community is at the Heart of VPPSA.



About VPPSA: Our Services



Power Supply Purchasing and Generation



Financial Services



Rates and Planning



Legislative and Regulatory



IT Support and Technology Upgrades



Communication and Outreach



GIS and Field Services



Renewable Energy Standard



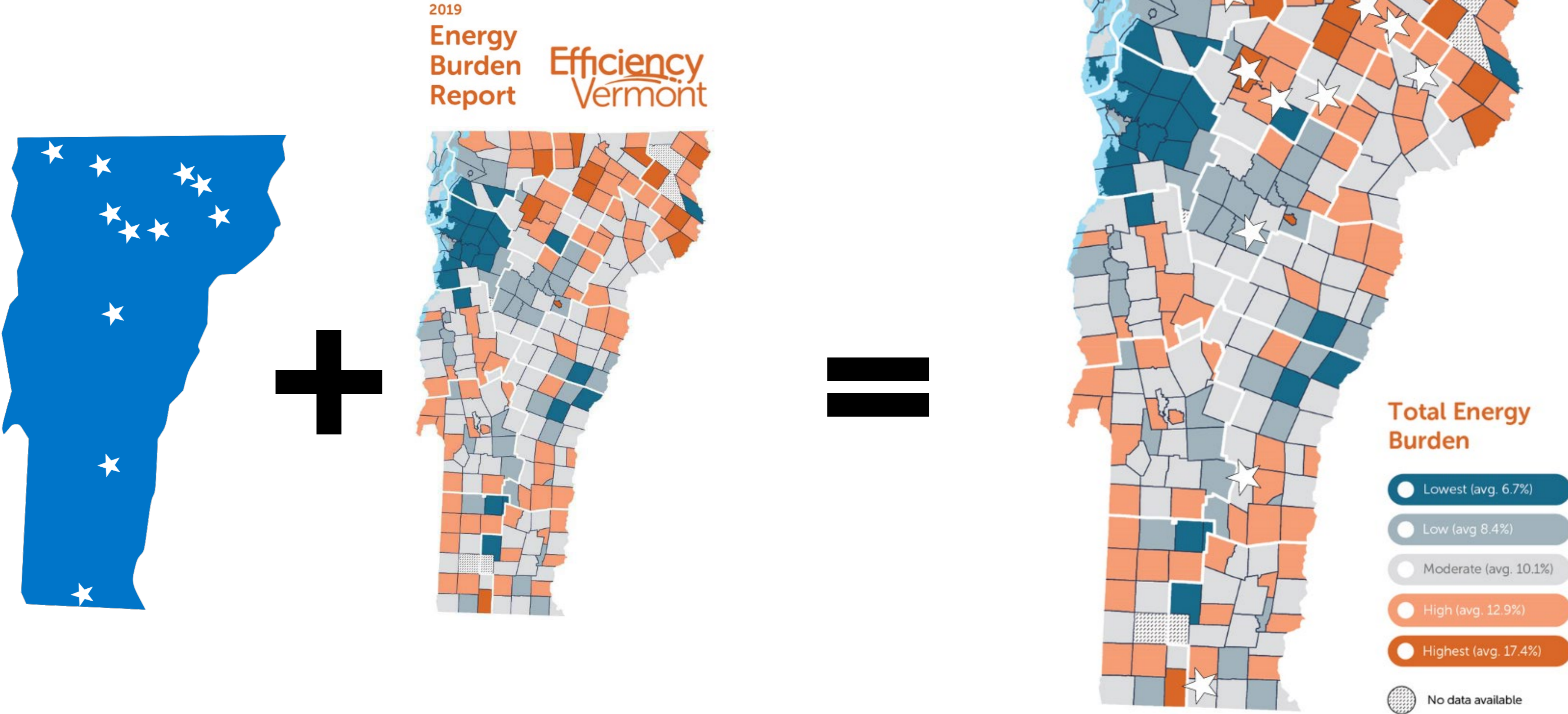
Key Accounts Program

About VPPSA: Where We Work



- **Barton Village: 2,000**
- **The Village of Enosburg Falls: 1,700**
- **Hardwick Electric Department: 4,500**
- **Village of Jacksonville: 700**
- **Village of Johnson: 1,000**
- **Ludlow Electric Light Department: 3,700**
- **Lyndonville Electric Department: 5,700**
- **Morrisville Water & Light: 4,200**
- **Northfield Electric Department: 1,800**
- **Village of Orleans: 700**
- **Swanton Village: 3,800**

About VPPSA: Where We Work



Legislative: Recap and Recommendations

Recap:

- **In 2019, S.95 (Act 81) allows municipal utilities flexibility in their capital spending. Introduced by Sen. Cummings.**
- **In 2021, S.60 (Act 13) allows munis and coops rate flexibility. Introduced by Sen. Cummings.**
- **In 2022, budget bill passed with \$8 million for AMI for munis and coops. VPPSA received notice in February 2023 of \$5 million award.**



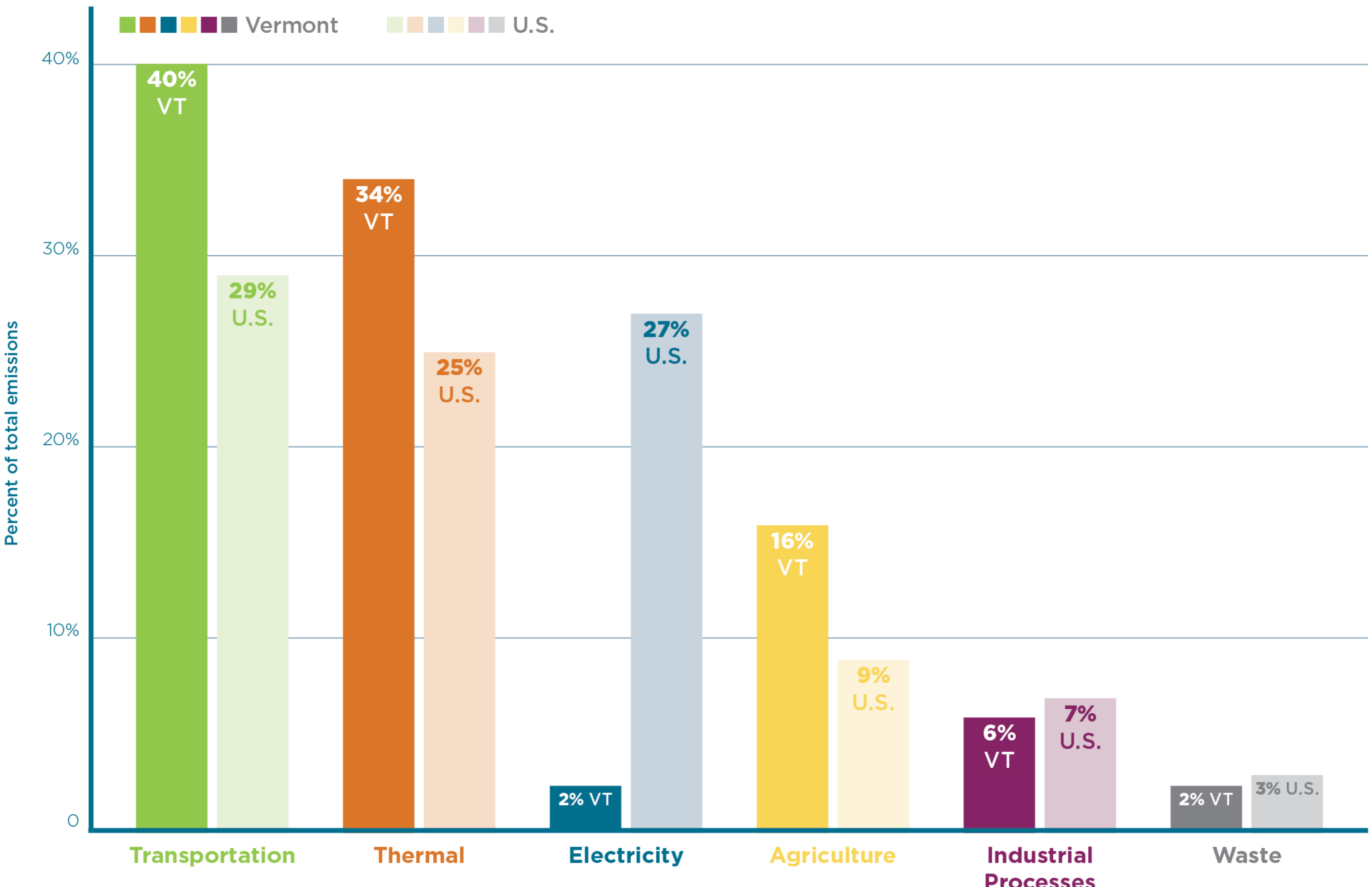
Thank you for putting
Community at the Heart!

Legislative: Recap and Recommendations

Recommendations:

- **Providing a safe and reliable electric grid.**
- **Keeping electricity affordable for all consumers.**
- **Supporting efforts to align environmental and climate policies. Small, local hydro is an environmentally sustainable way to provide Vermonters with renewable energy.**
- **Continuing the modernization of distribution systems.**
- **Decarbonizing the transportation, heating, and commercial sectors.**
- **The Public Service Department is reviewing existing renewable electricity policies with a recommendation due to the legislature in December 2023.**

GHG emissions by sector, U.S. vs VT (2018)



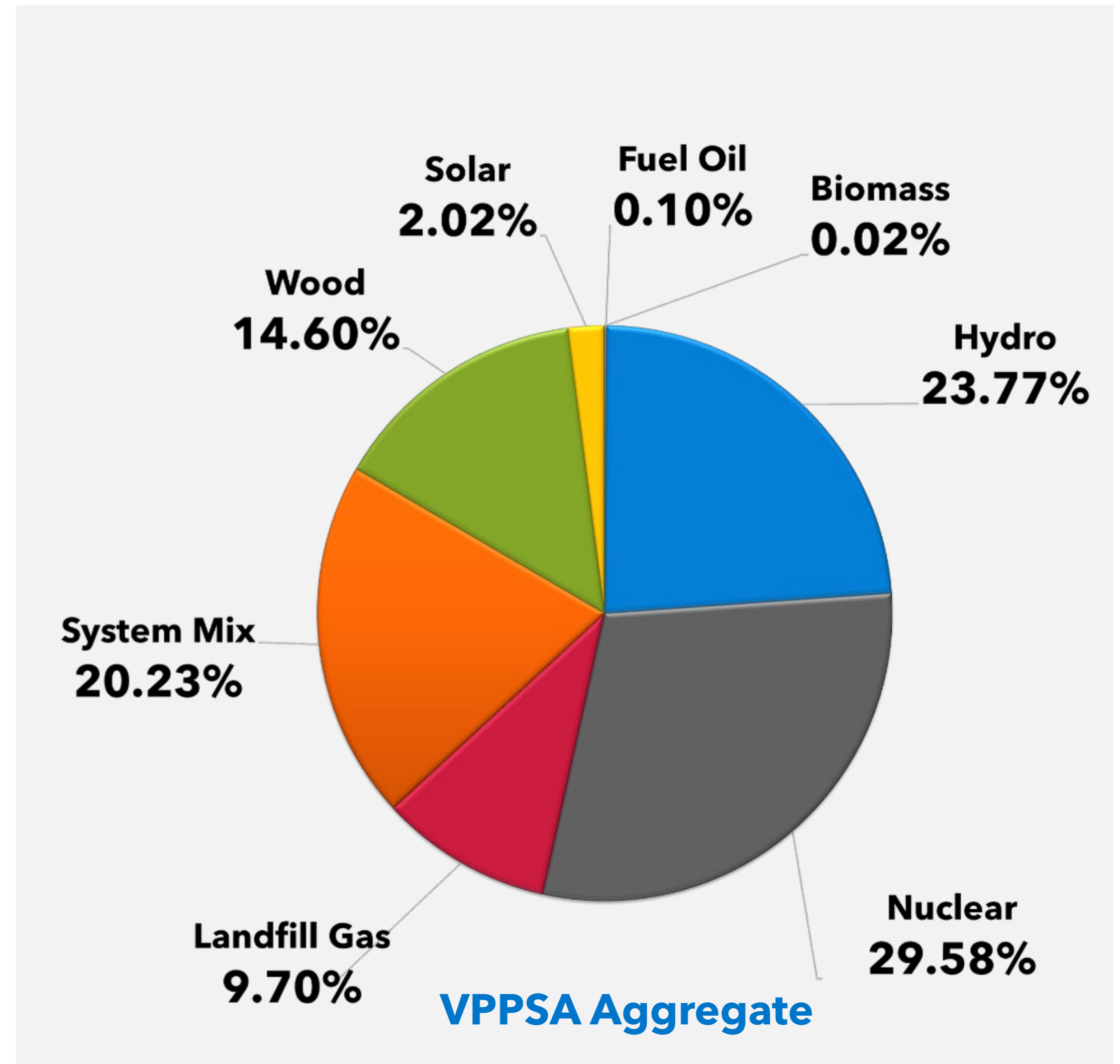
Source: Vermont Agency of Natural Resources, Vermont Greenhouse Gas Emissions Inventory and Forecast (1990-2017), 2021.; U.S. Environmental Protection Agency, Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990-2018, 2021. Note: Due to time lags in state and federal data reporting, 2018 is the latest data available.



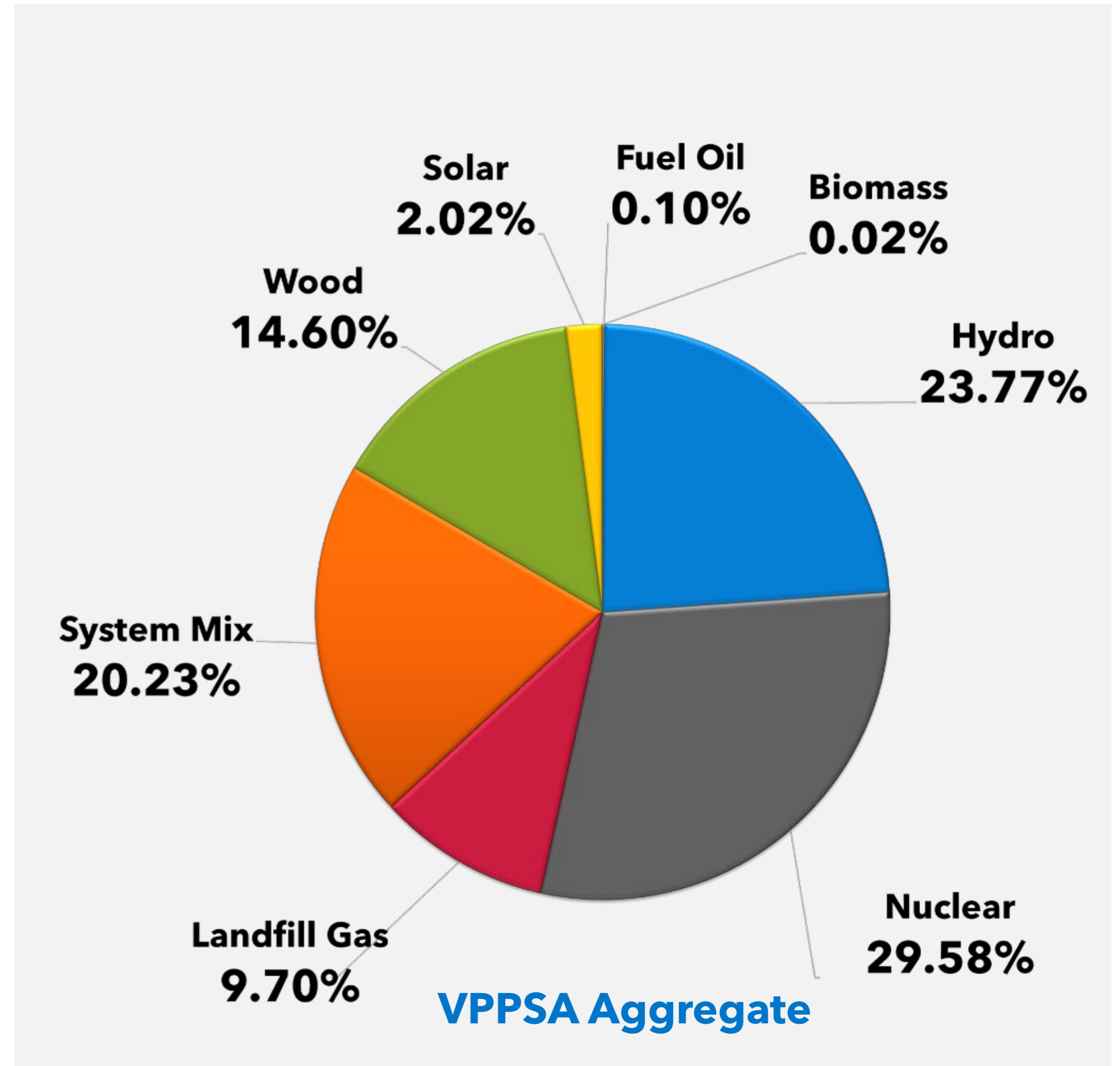
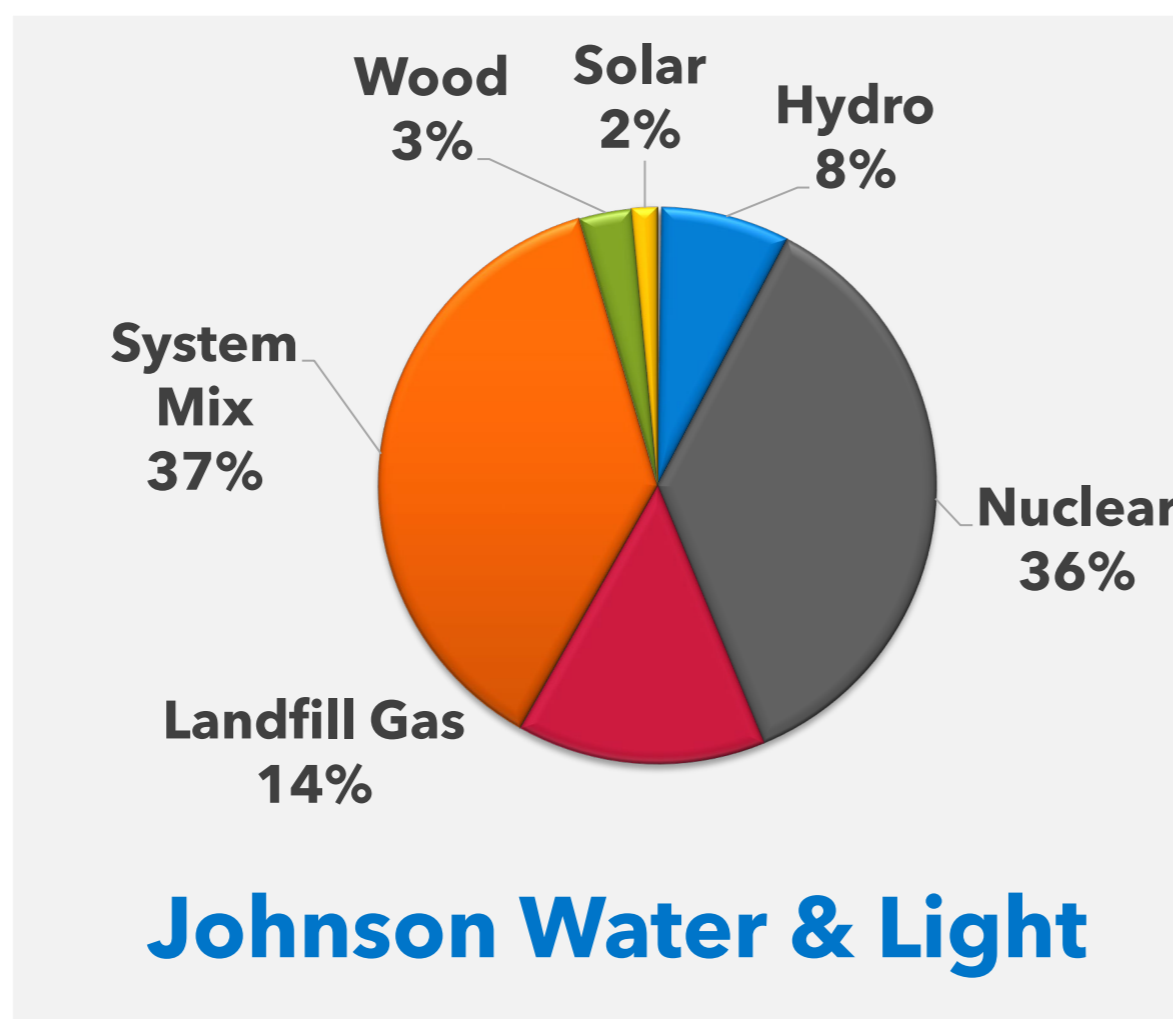
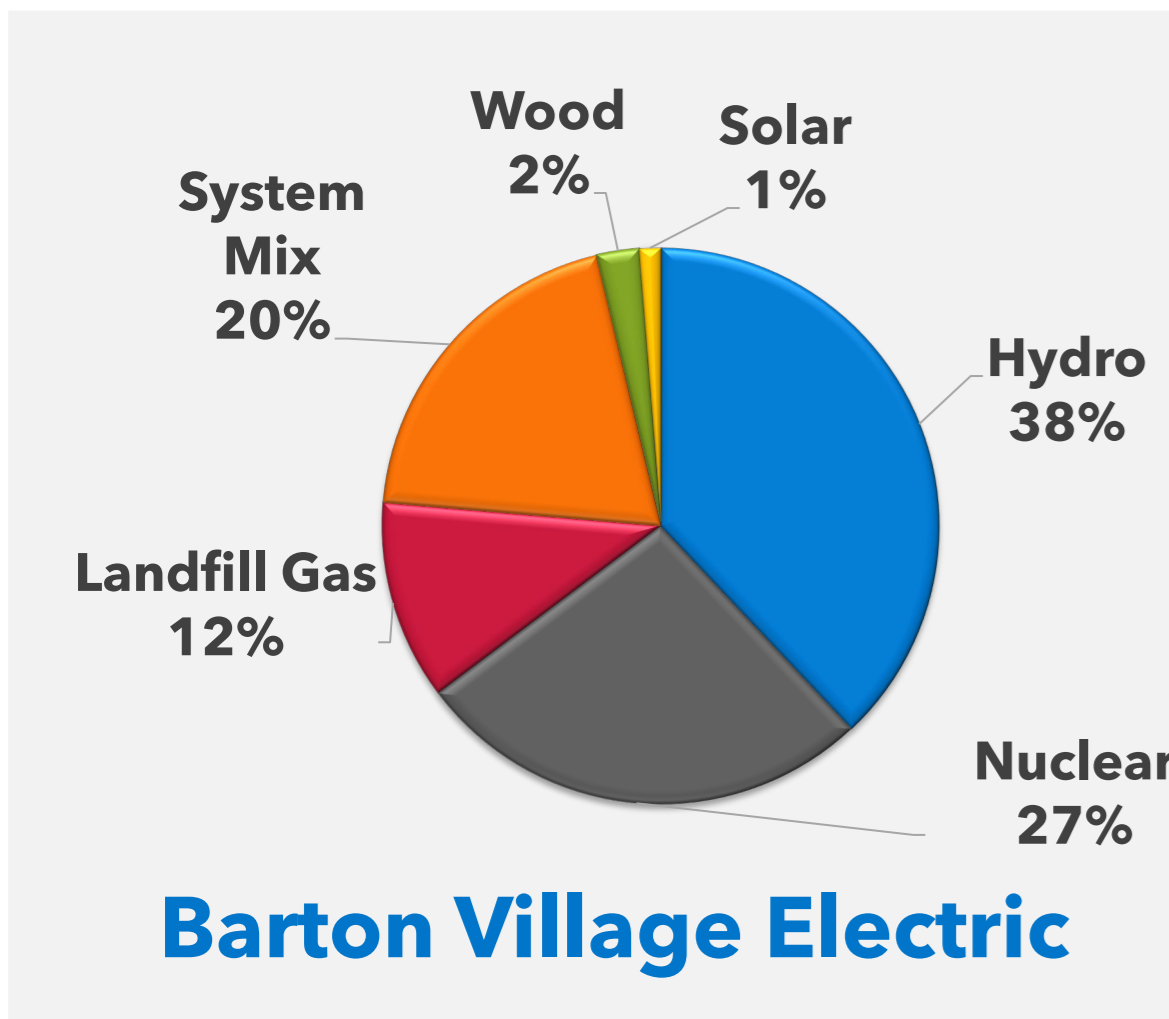
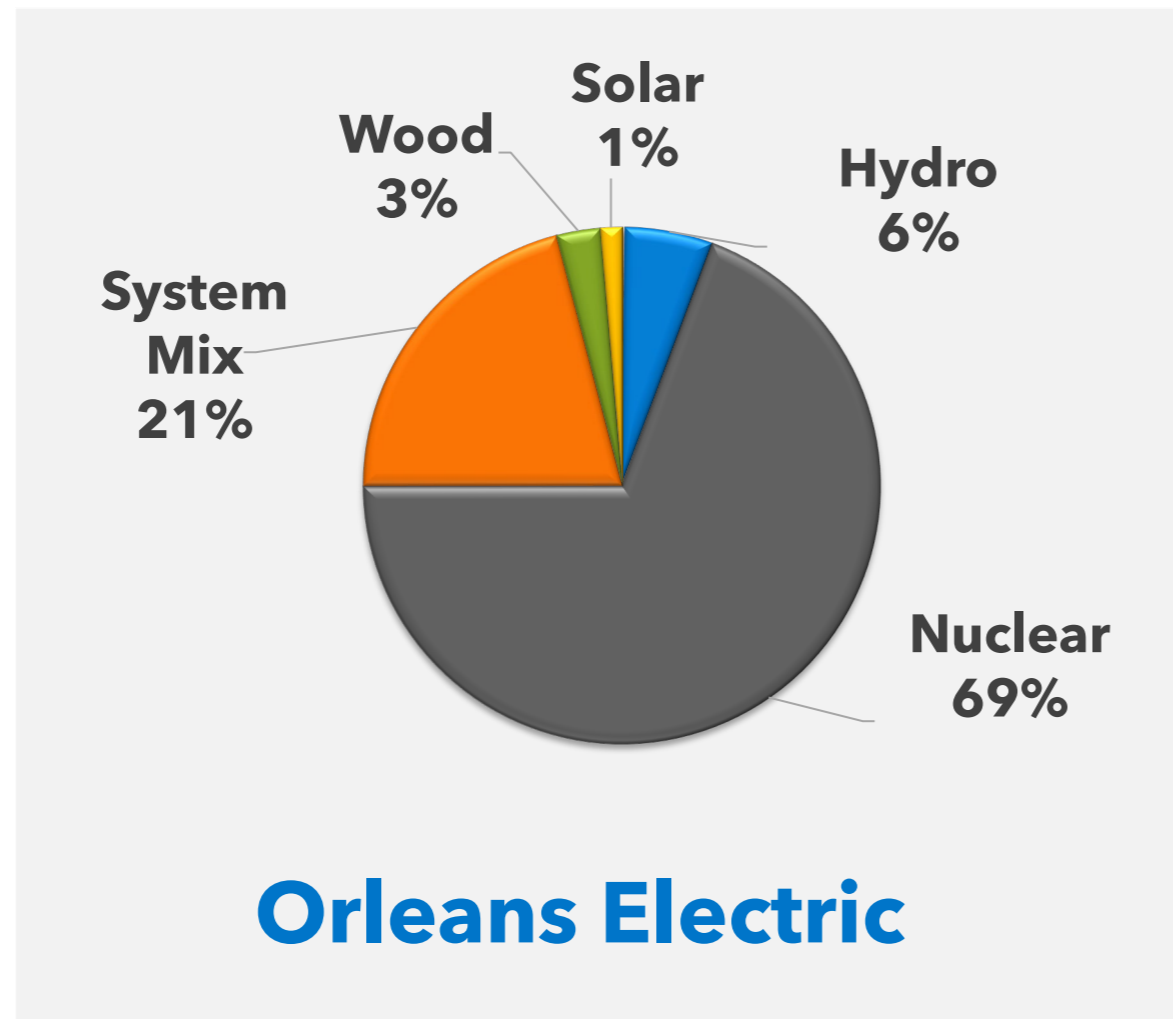
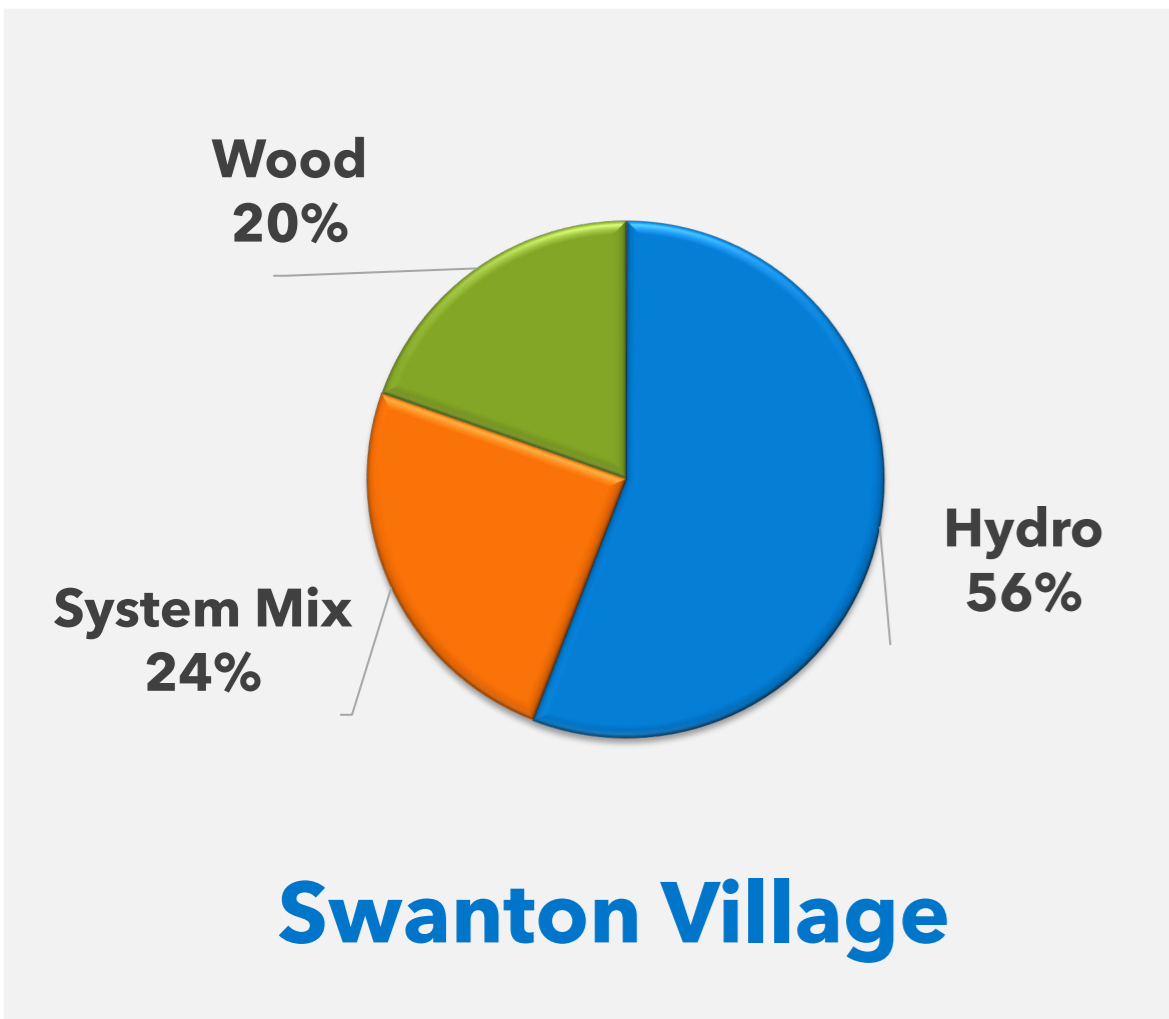
Renewables: 2021 Power Supply Portfolio

2021 Electric Portfolio Before Buying and Selling RECs

- **50% Renewable, 80% Carbon-Free**
- **12% from VPPSA member-owned hydro**
- **Diverse renewable electric generation**
- **Aggregate portfolio of 11 VPPSA members**



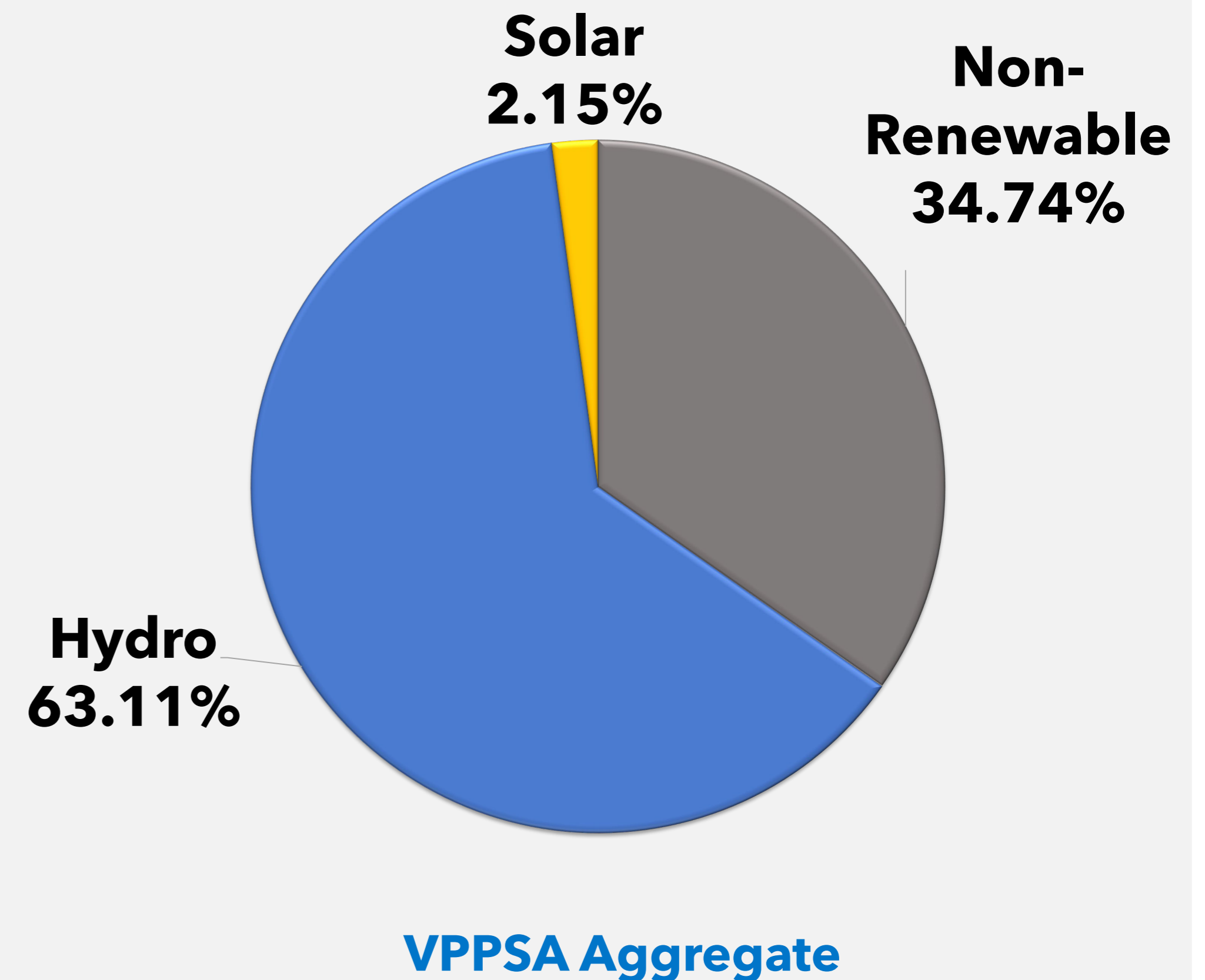
Renewables: 2021 Power Supply Portfolio



Renewables: 2021 Power Supply Portfolio

2021 Electric Portfolio After Buying and Selling RECs

- **65% Renewable, 95% Carbon-Free**
- **12% from VPPSA member-owned hydro**
- **39% from New England hydro**
- **12% from large hydro**
- **Aggregate portfolio**



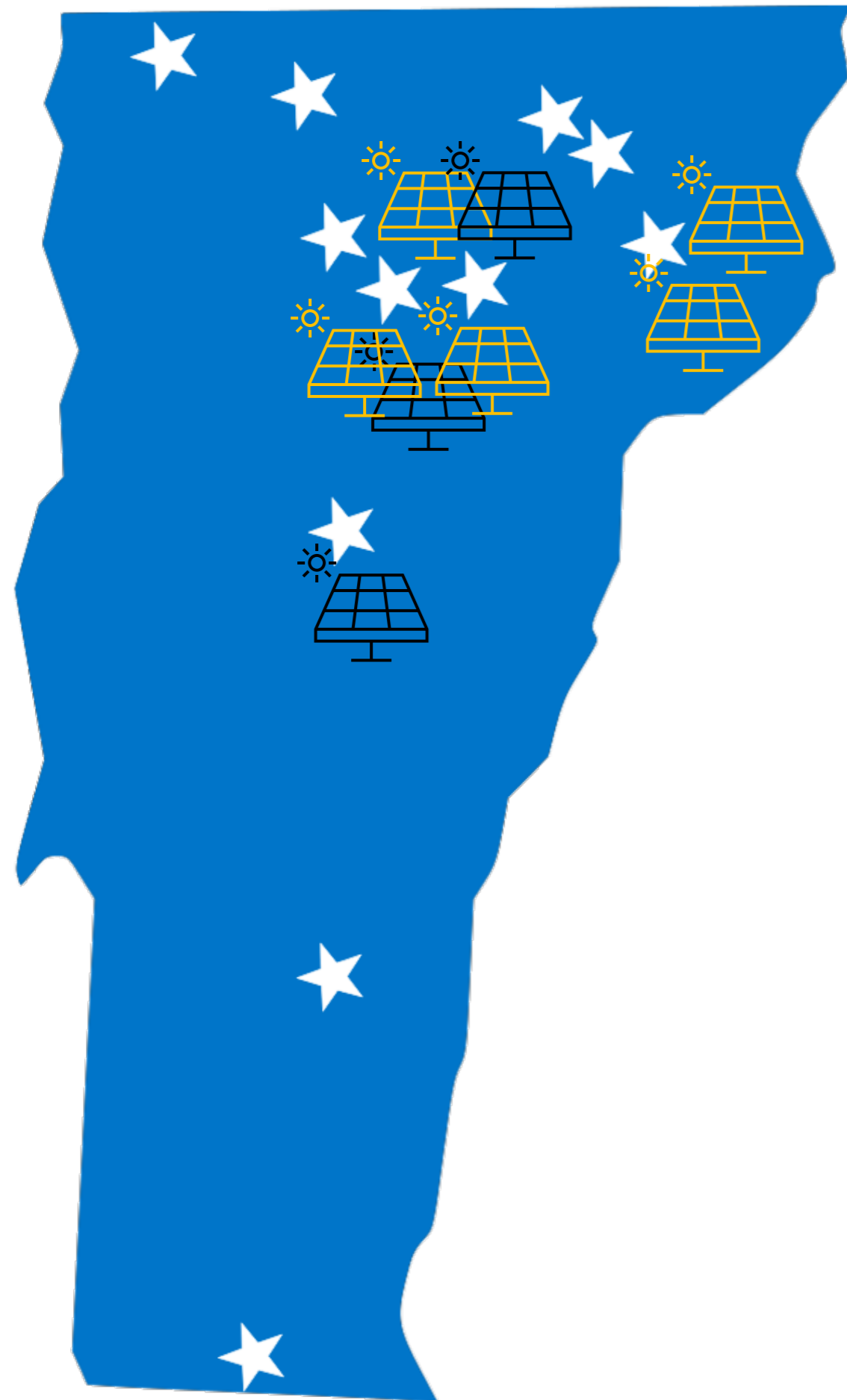
Renewables: Local Hydro



Utility-Owned

1. Barton: 1.4 MW
2. Enosburg: 1 MW
3. Hardwick: 0.8 MW
4. Lyndonville: 2.4 MW
5. Morrisville: 5 MW
6. Swanton 11 MW

Renewables: Solar Development To Date



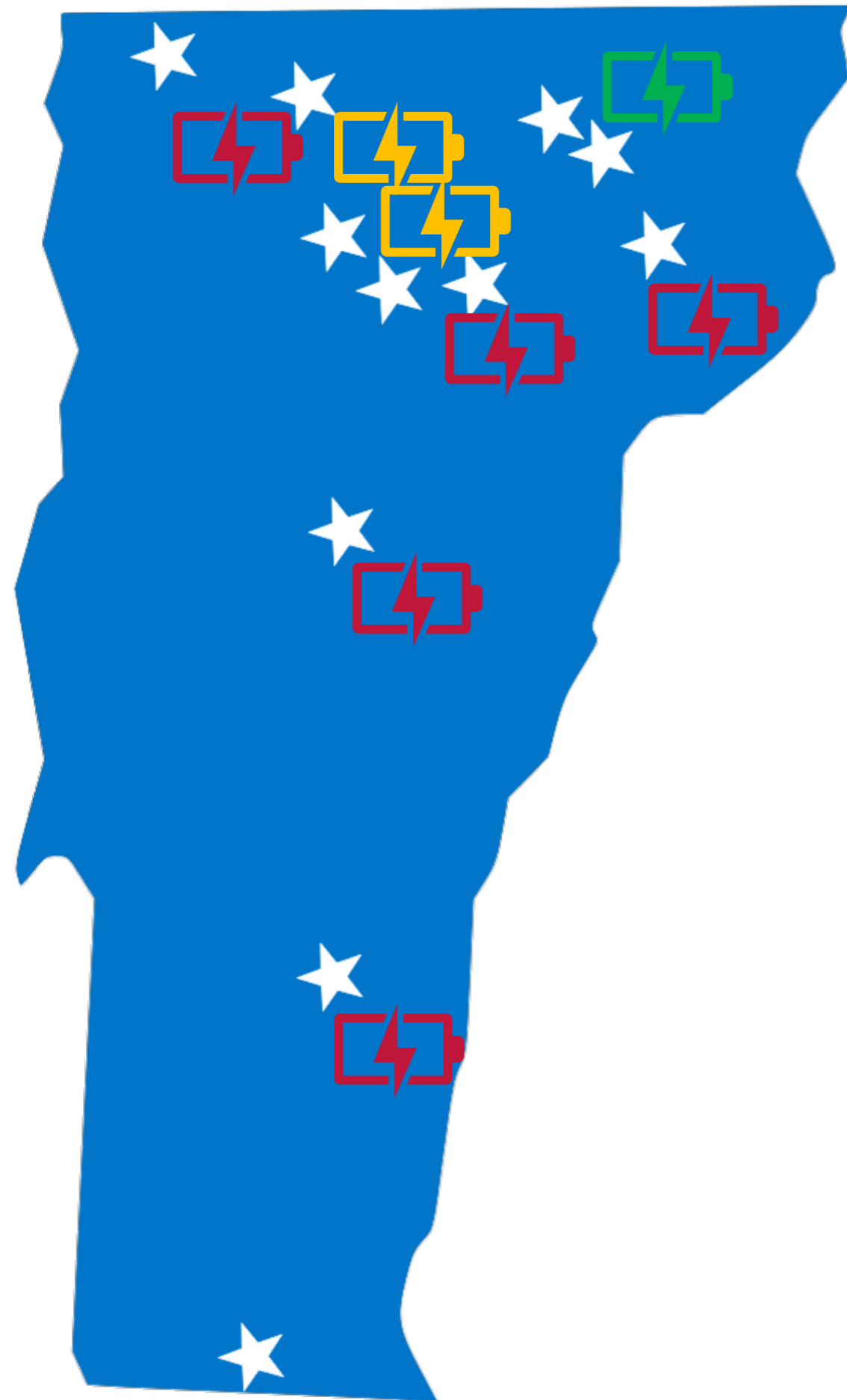
Standard Offer

1. Hardwick
Center Road (2.1 MW)
2. Lyndonville
East (0.50 MW)
West (0.48 MW)
3. Morrisville
Salvage Yard (2.1 MW)
Trombley Hill (0.86 MW)

Utility Offtake

1. Hardwick
Billings Road (1.6 MW)
2. Morrisville
Lawrence Brook (2.2 MW)
3. Northfield
Bone Hill (1.3 MW)
4. In Development
Ludlow @ Talc Mine.
Enosburg @ Reservoir Rd.
Orleans @ Heath Sub.

Renewables: Storage Studies



Delorean

1. Northfield
2. Hardwick
3. Ludlow
4. Lyndonville

Encore

1. Enosburg
2. Morrisville

Kearsarge

1. Orleans
2. Barton
3. WEC

Size Ranges: 2-5 MW for 2-4 hours

Customer Programs: Energy Transformation Incentives

VPPSA has spent over **\$725,000** on more than **1,500** incentives to help Vermonters reduce fossil fuels.

Includes:

- Over **150** electric vehicles
- Nearly **1,000** heat pumps
- **155,000** lifetime gallons of diesel reduced in the maple sugaring industry
- **2.7 million** lifetime gallons of diesel reduced by NEK manufacturers



Customer Programs: PowerShift Pilot

- Free EV Charger and \$500 rebate for residential customers who buy/lease an all-electric vehicle
- Scheduled to charge outside of peak demand hours
- Supports up to 40 customers
- Funding for income-eligible customers who need service panel upgrades
- Partnership with Efficiency Vermont



Customer Programs: On-Bill Financing

Residential:

Weatherization Repayment Assistance Program (WRAP) launched in December 2022 with Ludlow Electric in first cohort.

- Allows customers to finance weatherization and heat pump projects and repay project costs over time on their utility bill.
- VPPSA providing additional incentives for heat pumps and in-home service panel upgrades.
- Part of partnership with VHFA and Efficiency Vermont.

Customer Programs: On-Bill Financing

Commercial:

Senator Sanders included \$1 million for VPPSA revolving loan fund in 2022 appropriations bill.

- Allows commercial and industrial customers to pursue projects that reduce fossil fuels and repay on-bill with low to no interest
- Full application submitted, awaiting release of funds from Department of Energy

Contact Info

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Putting the Public in Power.

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