

State Energy Management Program

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Vermont Department of Buildings and General Services

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History and Background

SEMP is responsible for all energy management measures in state buildings and facilities

2014: ACT 178 Capital Bill established the SEMP

- State Energy Revolving Fund.
- State Resource Management Revolving Fund.

2016: ACT 58 Big Bill augmented the SEMP for four years.

- Efficiency Vermont Reimburses the State of Vermont for three full time employees.
- BGS and Efficiency VT are required to save \$150,000 in energy savings annually.

2022: ACT 172 Municipal Energy Resilience Program augmented the SEMP for four years.

- Within the expansion of services to municipalities, the existing SEMP is extended through 2027.



SEMP Process



- ▶ Energy Use Tracking

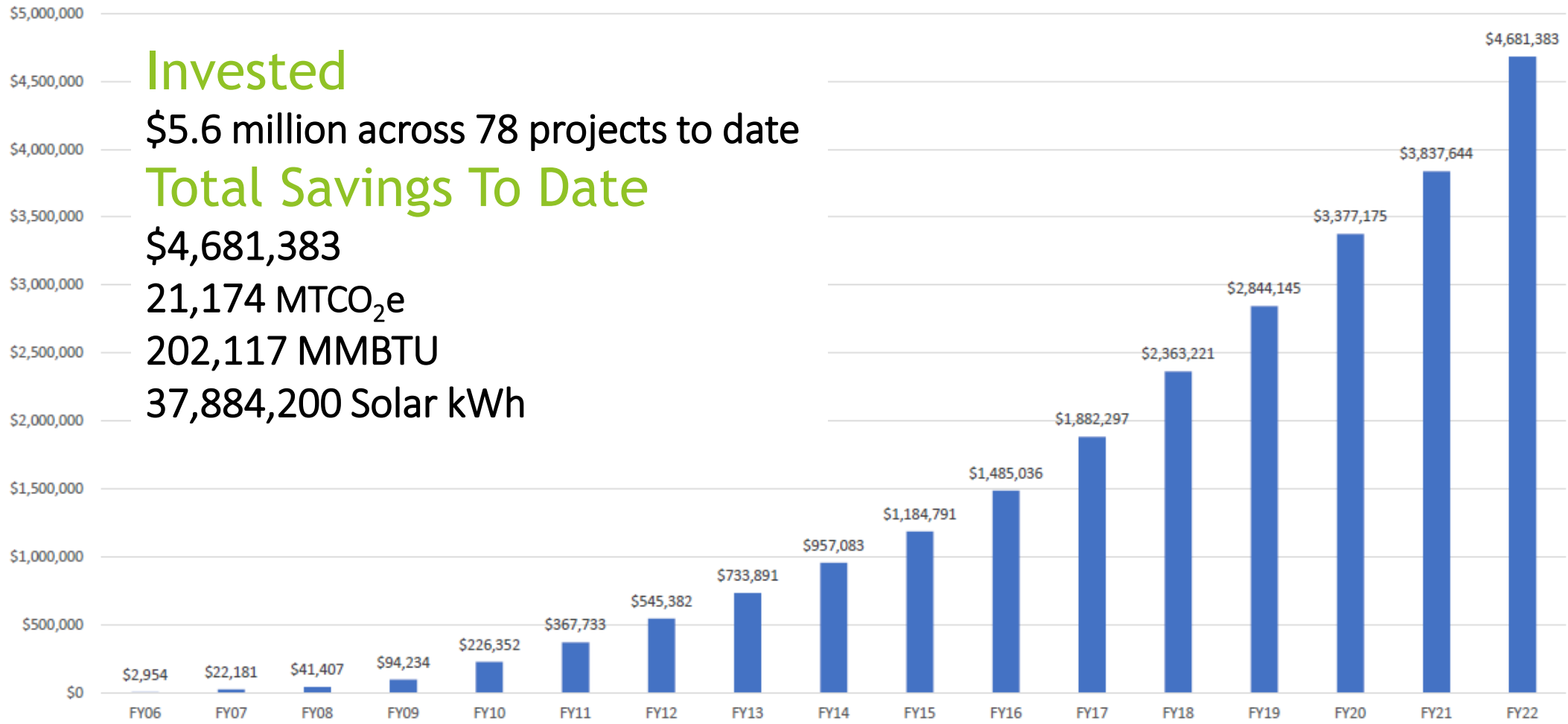


- ▶ Investment Grade Energy Audit
 - ▶ BGS Maintains 3 Million Square Feet of owned facility space
- ▶ Project Scope Development and Funding
 - ▶ SEMF contains 2 Revolving Loan Funds
 - ▶ Project Managers develop SOW and oversee construction



Results

State Energy Management Program Cumulative Savings



Invested

\$5.6 million across 78 projects to date

Total Savings To Date

\$4,681,383

21,174 MTCO₂e

202,117 MMBTU

37,884,200 Solar kWh

Integrating a Culture of Energy Efficiency

- To embed a culture of energy efficiency and improve communication and collaboration, staff was co-located in:
 - The Planning and Property Management Division
 - The Design and Construction Division
- This will allow a pipeline of energy efficiency projects to be incorporated into Capital Bill line item and Major Maintenance projects and provide technical assistance to both divisions.



Expansion of Services: Municipal Energy Resilience Program

- Act 172 Signed June 2 2022, “An act relating to municipal energy resilience initiatives”
- \$45M ARPA Funding for the program to:
 - Conduct building assessments
 - Education and outreach
 - Energy resilience improvement projects



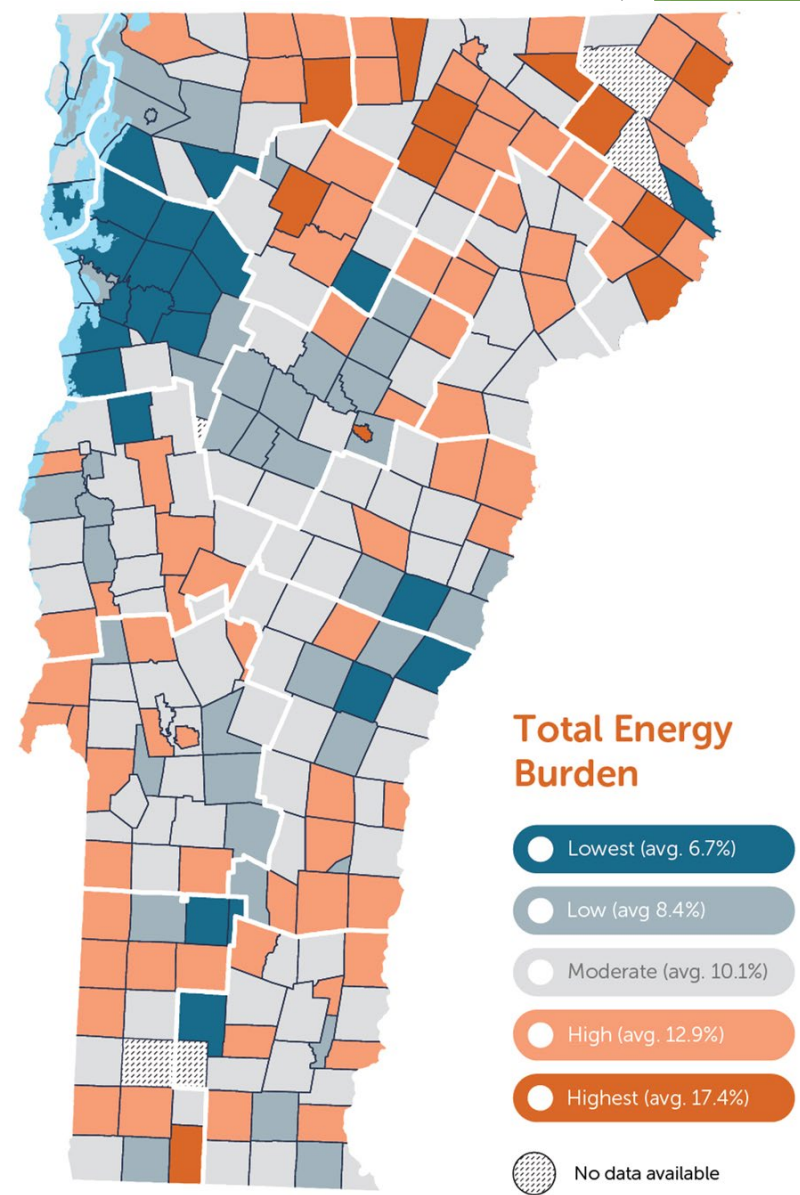
Program Background

- Issue: Municipalities and their residents are struggling with high energy burden and minimal resources.
- Solution: Act 172, the Municipal Energy Resilience Program

2019 Energy Burden Report

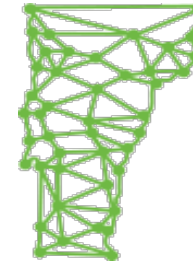


Efficiency
Vermont



Program Description

- Eligible covered municipalities: cities, towns, fire districts, incorporated villages, and all other governmental incorporated units except school districts.
- BGS granting \$2.4M to Regional Planning Commissions to build capacity.
- The Municipal Energy Resilience Program Goals for Community Support:
 - Staffing Support
 - Technical Assistance
 - Outreach and Education
 - Project Planning and Management



VECAN
VERMONT ENERGY & CLIMATE
ACTION NETWORK

Efficiency
Vermont



**Vermont League
of Cities & Towns**

VAPDA

Vermont Association of Planning & Development Agencies



Funding for Communities



1. Municipal Resilience Educational Grants

- Up to \$4,000 per covered municipality



2. Building Energy Efficiency and Resilience Assessments

- Fully funded until \$5M in funds are exhausted



3. Energy Resilience Projects

- Up to \$500,000 per covered municipality



More Information

- Assessments completed by **1/15/24**.
- Grants obligated by **12/31/24**
- Project Grants Expended by **12/31/26**.

bgs.vermont.gov/municipal-energy-resilience-program

An Official Vermont Government Website 

Agency of Administration
Buildings and General Services

Vermont.gov Outlook Online State Phone Book Transparency

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Purchasing and Contracting
Operations & Maintenance
Safety & Security
Design & Construction
Planning & Property Management
Government Business Services
Vermont Information Centers Division
Energy Office
Vermont State Curator's Office
Commissioner's Office

Municipal Energy Resilience Program

NEW! State Energy Management Program Expansion Serving Municipalities

We are excited to announce the newest program under BGS designed to extend the energy savings and resiliency of the State Energy Management Program to Vermont municipalities. The Municipal Energy Resilience Program is designed to provide staffing support, technical assistance, and funding to help energy burdened communities across the state become more resilient, reduce their energy use, and curb greenhouse gas emissions. BGS is proud to work with [Regional Planning Commissions](#), [Vermont League of Cities and Towns](#), and [Efficiency Vermont](#) in the development and implementation of these new program services for municipalities.

Aiming to make municipal buildings more energy efficient, resilient, and reliable, \$45M has been appropriated to the Vermont Department of Buildings and General Services to expand the State's energy management program to municipal buildings to promote increased resilience and sustained connection to critical services for all Vermonters. Covered municipal buildings include cities, towns, fire districts or incorporated villages, and all other governmental incorporated units except for school districts.

Applications will be available for free energy resiliency assessments. Grants of up to \$4,000 will be available to facilitate community meeting communication about municipal energy resilience. Grants of up to \$500,000 will be available for approved projects for weatherization of the main building and to supplement or replace fossil fuel heating systems with more efficient renewable or electric heating systems. To assist with program implementation, administration, \$2.4M will be appropriated to Regional Planning Commissions to assist with grant and assessment applications and provide technical assistance.

