

# Municipal Energy Resilience Program

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Commissioner

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## Who is BGS?

- In 1960, Executive Branch took responsibility of all facilities and gave authority to create a new Division of State Buildings
- Other internal government services were placed in a Department of General Services during the 1960's and 70's
- In 1996, the two were joined



## Our Mission

Dedicated to providing essential resources and services to support our government partners, Vermonters, and visitors.

## Our Goals

- Streamlining government operations
- Modernization
- Preparing for the future



# Our Budget and Workforce

- 11 Program Budgets
- \$45.8M FY22 Budget Request
- \$32M in Capital Bill Appropriations
- 340 Permanent Employees and 60 Temporary Employees
- Primarily comprised of frontline employees



# Our Structure

- 4 Divisions and 4 Offices:
  - Planning and Property Management
  - Design and Construction
  - Operations and Maintenance
  - Government Business Services
  - Office of Purchasing and Contracting
  - Office of State Safety and Security
  - Energy Office
  - Curator's Office





# Supporting the Vermont Climate Action Plan

Act 153, Global Warming Solutions Act



# Global Solutions Warming Act

- Transportation comprise 39.7% of total emissions
- Buildings comprise 33.9% of total emissions

## Reduce GHG Emissions

26% below 2005 by 2025

40% below 1990 by 2030

80% below 1990 by 2050



# What we're doing about it

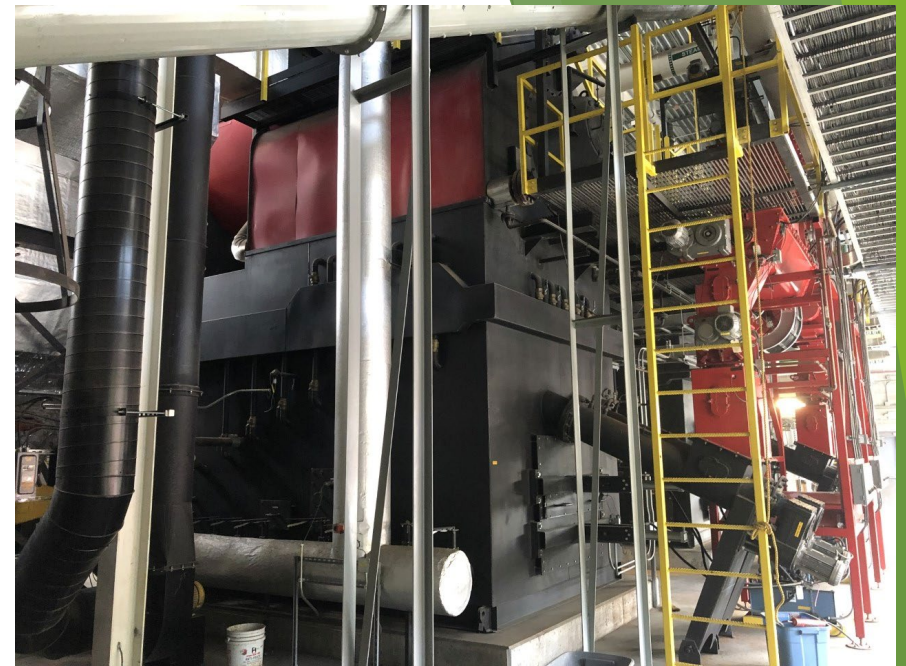
- 29 V.S.A. § 168 establishes a State Energy Management Program (SEMP)
- Responsible for all energy management measures in state buildings and facilities
- Implemented through two revolving fundings





# Energy Efficiency Measures

- Installation of energy efficient buildings and building systems
  - LED lighting with sensor technology
  - Renewable heating and cooling systems
  - Optimizing building automation systems
  - Battery back-up systems
- Maximizing reliance on renewable energy generation
- Flexible load management strategies
- State Agency Energy Plans



# Our impact on the environment

- As of January 2022:
  - **\$5.6M** in investments through 78 projects
  - **\$2.9M** in avoided energy costs
  - Conserved over **202,117 MMBTU** and reduced roughly **17,615** metric tons of carbon dioxide (MTCO<sub>2</sub>E) equivalent GHGs



# Electrifying the Fleet

- Support workplace charging
- 29 Electrical Vehicles Supply Equipment (EVSE) stations statewide
- \$500K awarded in 2019
- 29 V.S.A. § 903 No less than 75% hybrid or plug-in purchased or leased
- In FY21 New Fleet Vehicle Acquisitions were 22 Gas, 36 PHEV + Hybrids, and 8 BEVs



Miles powered by electricity from Fleet EV and PHEV have displaced over 15% of fleet gasoline use since 2015



## What's Next

- Municipal State Energy Program
- Act 172, “An act relating to municipal energy resilience initiatives”
- \$45M program to:
- Conduct building assessments
- Education and outreach
- Energy resilience improvement projects



# Program Background

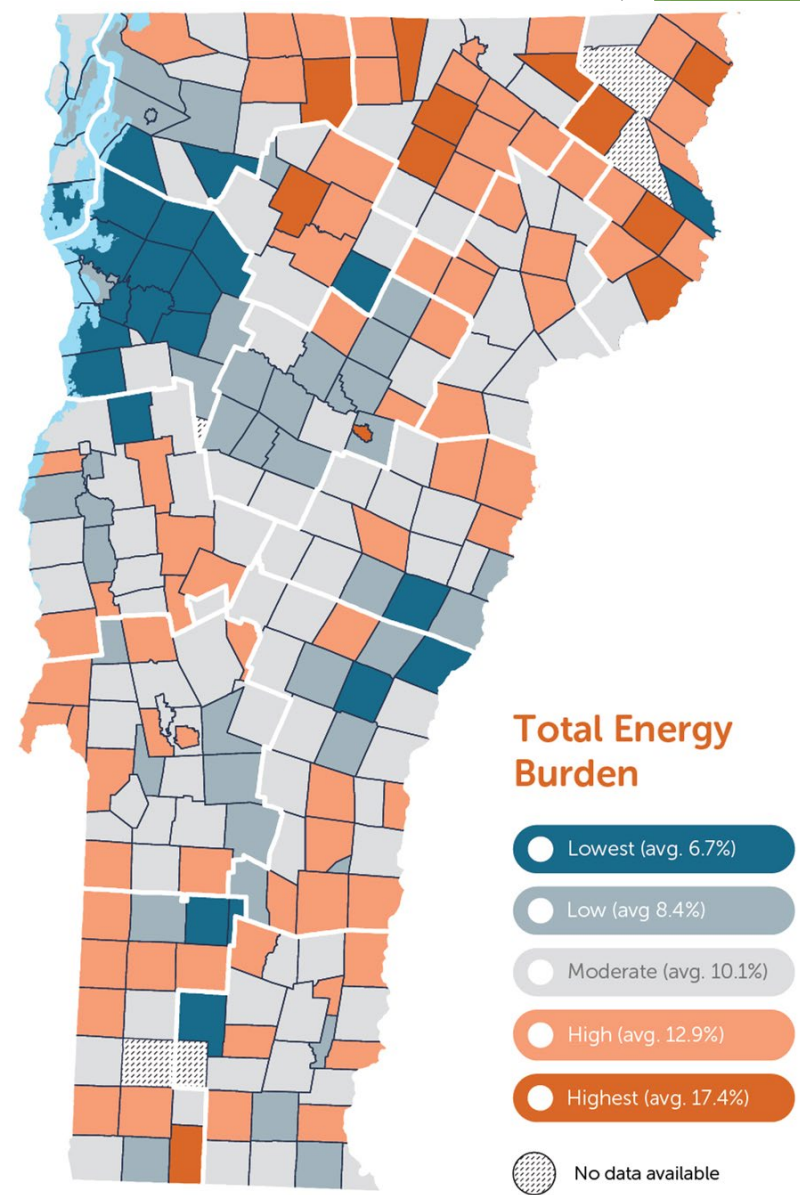
Issue: Municipalities and their residents are struggling with high energy burden and minimal resources.

Solution: Act 172, the Municipal Energy Resilience Program.

## 2019 Energy Burden Report



Efficiency  
Vermont



# Municipal Energy Resilience in Act 172

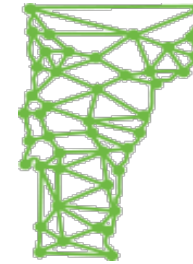


Act 172 establishes two funding initiatives:

1. Municipal Energy Resilience Program: **\$45M in one time funding.**
2. Municipal Energy Loan Program: **\$2.8M revolving loan fund.**

# 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 **\*OPEN NOW!**

- Up to \$4,000 per covered municipality



## 2. Building Energy Efficiency and Resilience Assessments

- Fully Funded



## 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.



An Official Vermont Government Website

Agency of Administration  
**Buildings and General Services**

Vermont.gov Outlook Online State Phone Book Transparency

## 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 meetings and communication about municipal energy resilience. Grants of up to \$500,000 will be available for approved projects for weatherization, thermal efficiency, and to supplement or replace fossil fuel heating systems with more efficient renewable or electric heating systems. To assist with program implementation and administration, \$2.4M will be appropriated to Regional Planning Commissions to assist with grant and assessment applications and provide programming and technical assistance.

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Commissioner's Office

[bgs.vermont.gov/municipal-energy-resilience-program](https://bgs.vermont.gov/municipal-energy-resilience-program)

