



Addison County  
LEPC

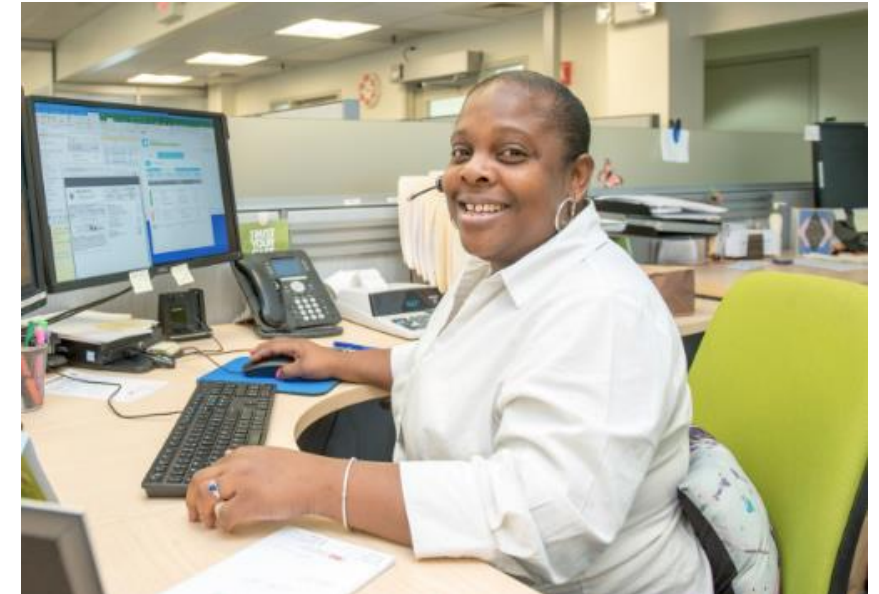
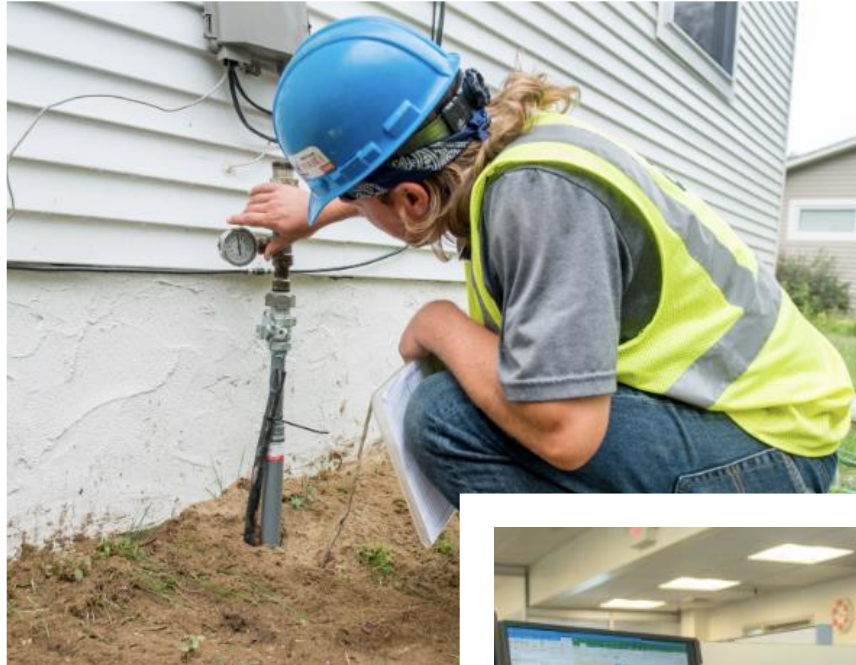
April 2021

## About VGS

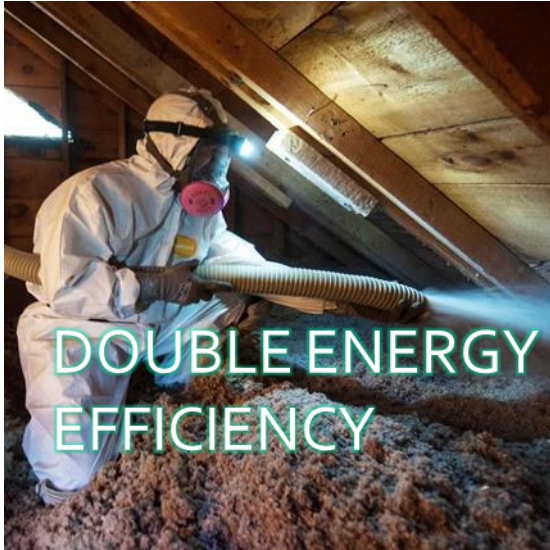
54,000 customers

Serving Addison, Chittenden,  
Franklin counties

130 employees



- Cut GHG emissions 30% by 2030
- Net Zero GHG emissions by 2050
- Three-part plan



**VGS' Climate Plan: Big vision + bold action plan**

# VGS Value Proposition

Natural Gas has 23% less carbon and is 25% less expensive than Heating Oil

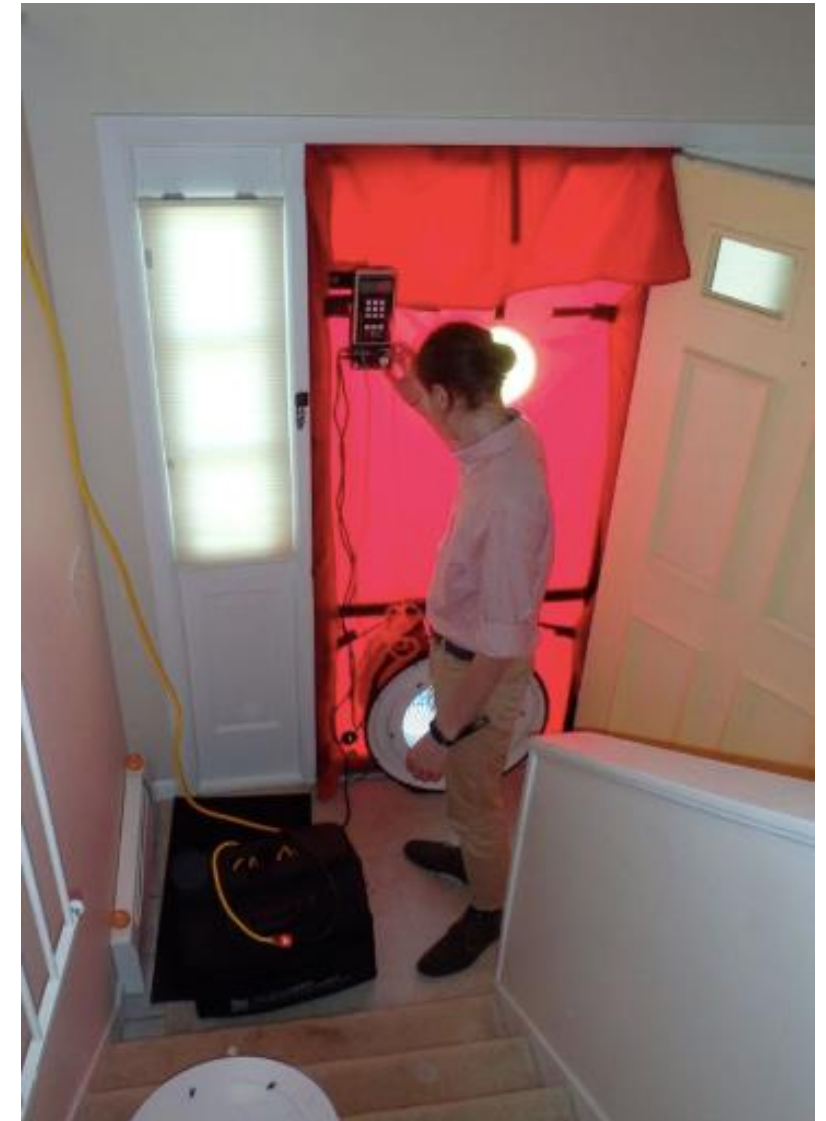
Average VGS customer Thermal Energy Burden is \$1,200 per year, against a statewide average of \$2,300

VGS Efficiency Programs save customers between 15-20% - or \$200/year – on energy bills

VGS' Renewable Natural Gas provides a 100% renewable pathway for customers

Since 1992, VGS customers have saved 1,076,100 tonnes of carbon – 207,000 passenger cars driven in one year.

In aggregate, our customers carbon emission is 20% less than 1990.





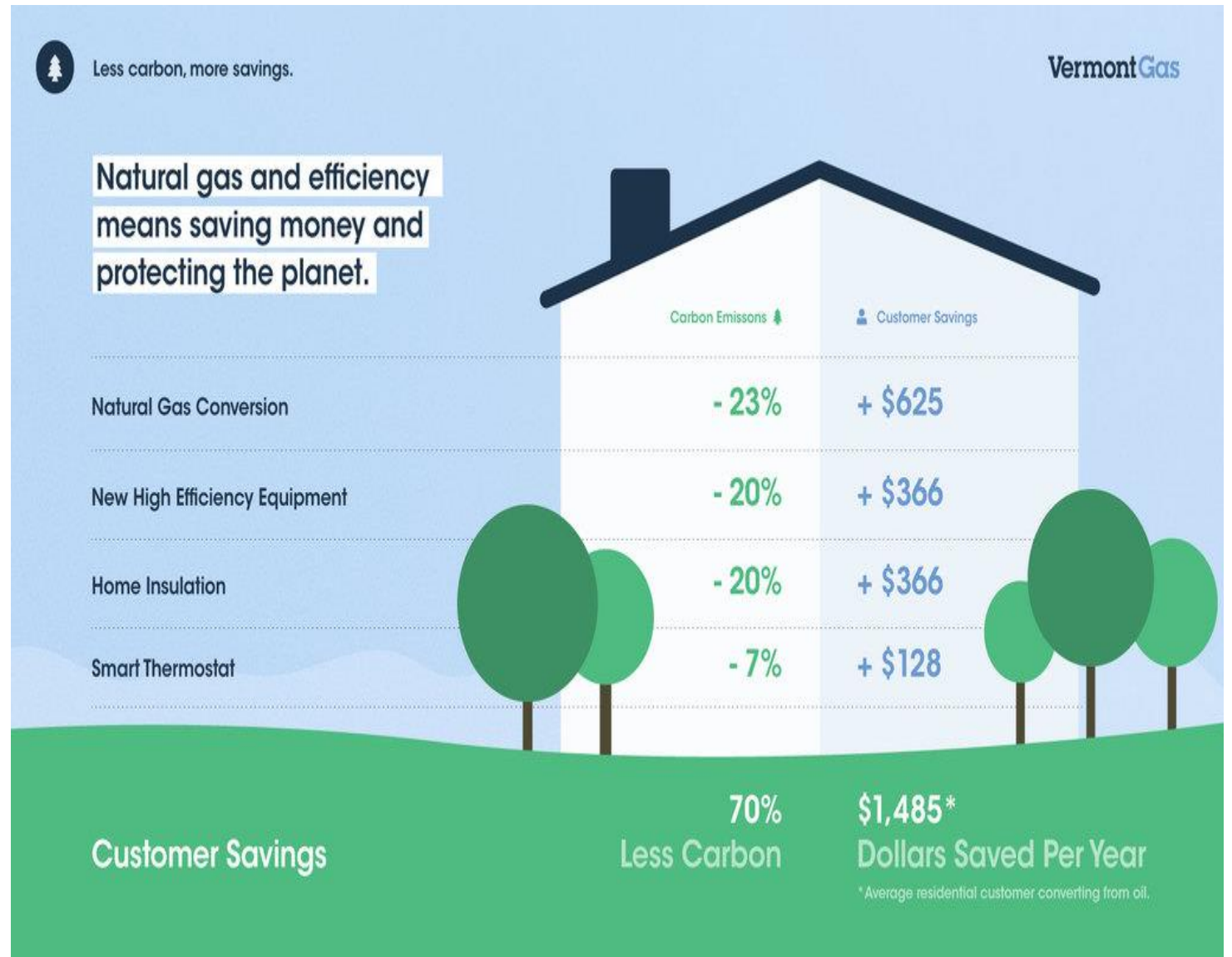
# The Customer Experience

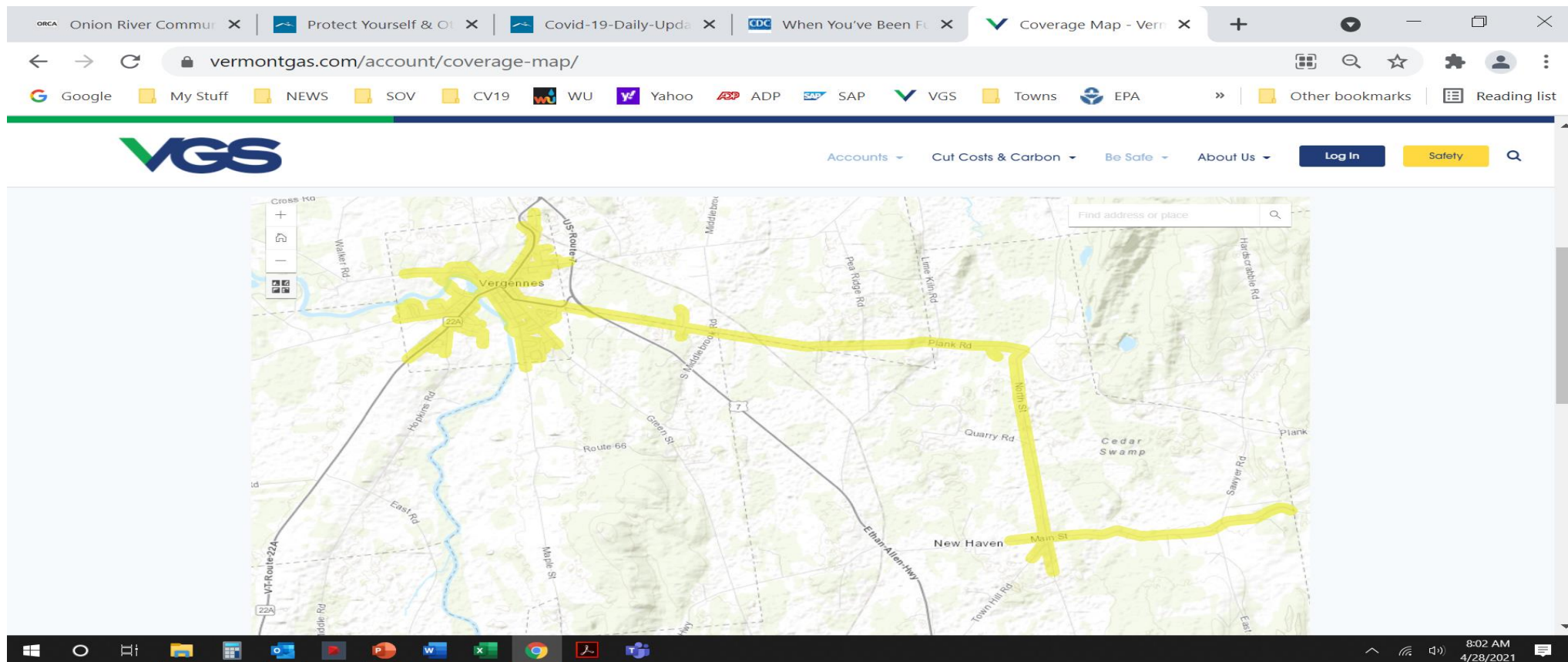
Customers are paying 30% LESS on heating bills than they were in 2008.

Access to award winning efficiency programs

24/7 access to service and energy experts

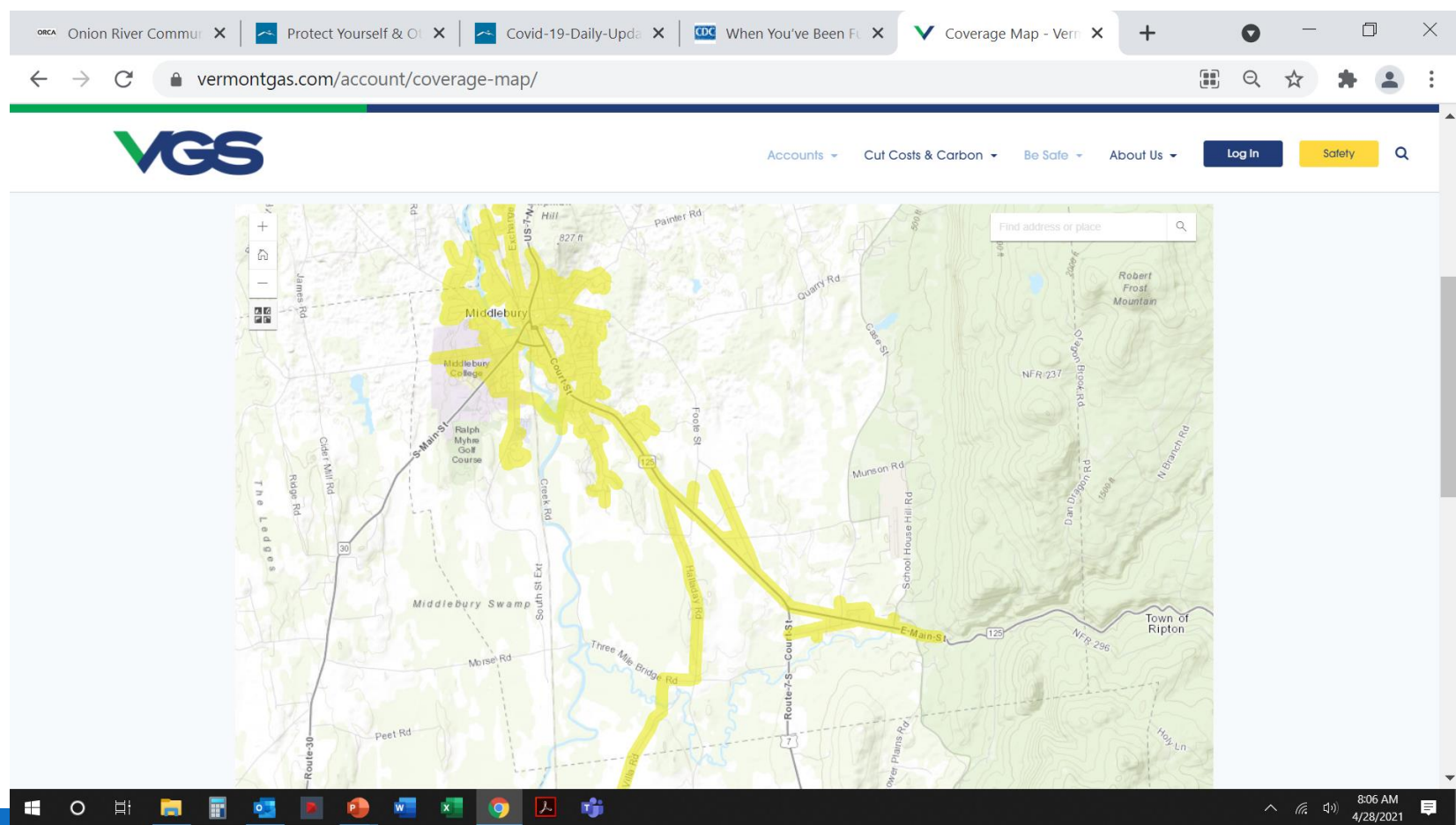
High marks from customers: 95%+  
Rate VGS good to excellent.





# Vergennes and New Haven System

Note: This is not an official map-Call DigSafe before excavating



# Middlebury System

Note: This is not an official map-Call DigSafe before excavating



# Renewable Natural Gas -Produced at digesters and landfills



Vanguard/Middlebury College/VGS RNG Project in Salisbury VT



# Renewable Natural Gas- Salisbury Vermont

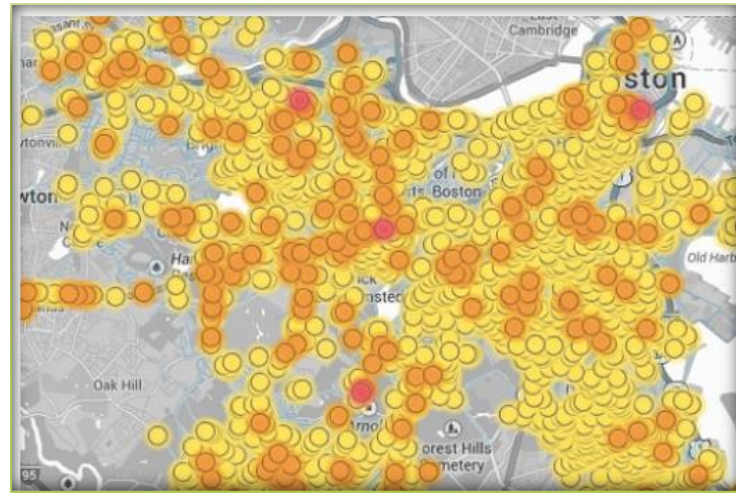
- VGS, Middlebury College and Vanguard Renewables have partnered on a Farm/Food Waste Digester
- Project is slated to be online by June of 2021
- Middlebury College will be able to achieve 100% Renewable Energy by 2028
- Remaining RNG can provide over 400 homes with 100% RNG.
- Project delivers Clean Energy, Clean Water, Act 148 and Farm Sustainability



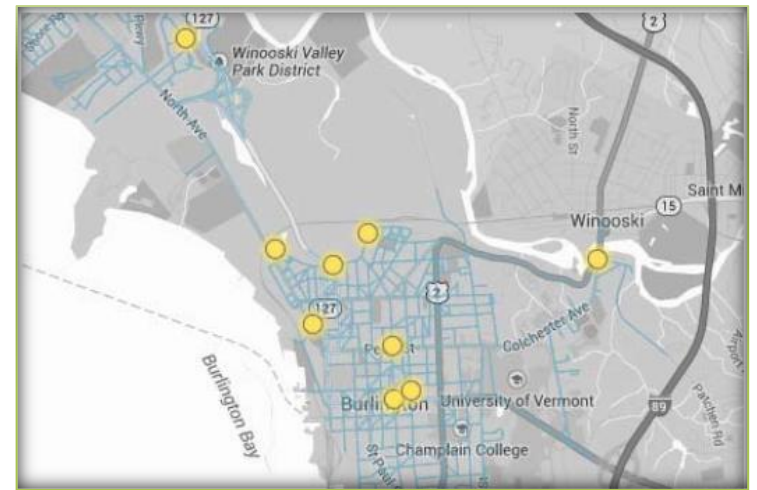
## Other Decarbonization Projects:

- Geothermal-VGS is looking to build/offer a geothermal product to new buildings and developments
- District Energy-VGS is looking to build hot water or steam heating loops in Burlington, Middlebury and St. Albans
- Hydrogen-We are looking to pilot a hydrogen blending/storage project powered by renewable electricity.
- MWWTP-We are hoping to RNG potential study at the Middlebury Plant.
- We have partnered with BTV to weatherized and soundproof 500+ homes near the airport.

# 2014 EDF Methane Study: VGS has a very efficient system



Boston, Massachusetts



Burlington, Vermont



Questions?



Groundbreaking-Vanguard/Middlebury College/VGS RNG Project in Salisbury VT