

Brian Sewell  
State Energy Program Coordinator  
Department of Buildings and General Services  
February 19, 2020

# *BGS Charge-up Vermont!* EV Survey Responses

2/19/2020

# Survey Design Process

## Why?

1. Continue to provide meaningful services for state employees, keeping VT a desirable place to live and work.
2. Reduce vehicle emissions to keep state on track to achieve targets

## How?

BGS Energy Office drafted questions designed to explore potential current and future needs of workplace charging for state employees.

Questions were reviewed by BGS Commissioner's Office and DHR staff to ensure compliance with state survey guidelines.



## Charge-up Vermont!

### A Survey of Electric Vehicle Interest Across State Government

Electric vehicles (EVs) offer drastically reduced maintenance costs and significant health benefits compared to traditional gas vehicles and their use is growing in Vermont with over 40 EV models available and more anticipated each year. The Vermont Department of Buildings and General Services (BGS) is committed to supporting state employees looking to take advantage of the growing EV market and improving air quality for our residents. Your responses to this survey will help BGS better plan future installation of charging stations at State facilities We appreciate your participation.

1. What is the address of your primary workstation? \_\_\_\_\_
2. Do you own or are you considering purchasing or leasing an all-electric or plug-in hybrid electric vehicle?
  - a. Yes, I already own one
  - b. Yes, I'm considering purchasing in the next year
  - c. Yes, I'm considering purchasing in the next 2-3 years
  - d. No
3. If you drive to work, approximately how far is your trip (one-way)?
  - a. Less than 10 miles
  - b. 10-25 miles
  - c. 26-50 miles
  - d. More than 50 miles
4. Can you charge your vehicle at home?
  - a. Yes
  - b. No
5. Is availability of charging at work a factor in considering purchase of an EV?
  - a. Yes
  - b. No

Thanks for Participating!

For more information on EVs available in Vermont, incentives, charging and test drive events in your area visit [www.DriveElectricVT.com](http://www.DriveElectricVT.com) and [www.PlugInAmerica.org](http://www.PlugInAmerica.org)

# Results

\*Survey opened 12/10/19 and closed 1/27/2020

\*1,672 Total Responses-Response rate of close to 21%

## EV Ownership

Do you own or are you considering purchasing or leasing an all-electric or plug-in hybrid electric vehicle?

[More Details](#)

<span style="color: blue;">●</span> a. Yes, I already own one	107
<span style="color: orange;">●</span> b. Yes, I'm considering purcha...	118
<span style="color: green;">●</span> c. Yes, I'm considering purcha...	566
<span style="color: red;">●</span> d. No	881



## Commute

If you drive to work, approximately how far is your trip (one-way)?

[More Details](#)

<span style="color: blue;">●</span> a. Less than 10 miles	523
<span style="color: orange;">●</span> b. 10-25 miles	553
<span style="color: green;">●</span> c. 26-50 miles	496
<span style="color: red;">●</span> d. More than 50 miles	100



## Workplace Charging

Is availability of charging at work a factor in considering purchase of an EV?

[More Details](#)

<span style="color: blue;">●</span> a. Yes	933
<span style="color: orange;">●</span> b. No	715
<span style="color: green;">●</span> Other	24



## Charging at Home

Can you charge your vehicle at home?

[More Details](#)

<span style="color: blue;">●</span> a. Yes	627
<span style="color: orange;">●</span> b. No	1045

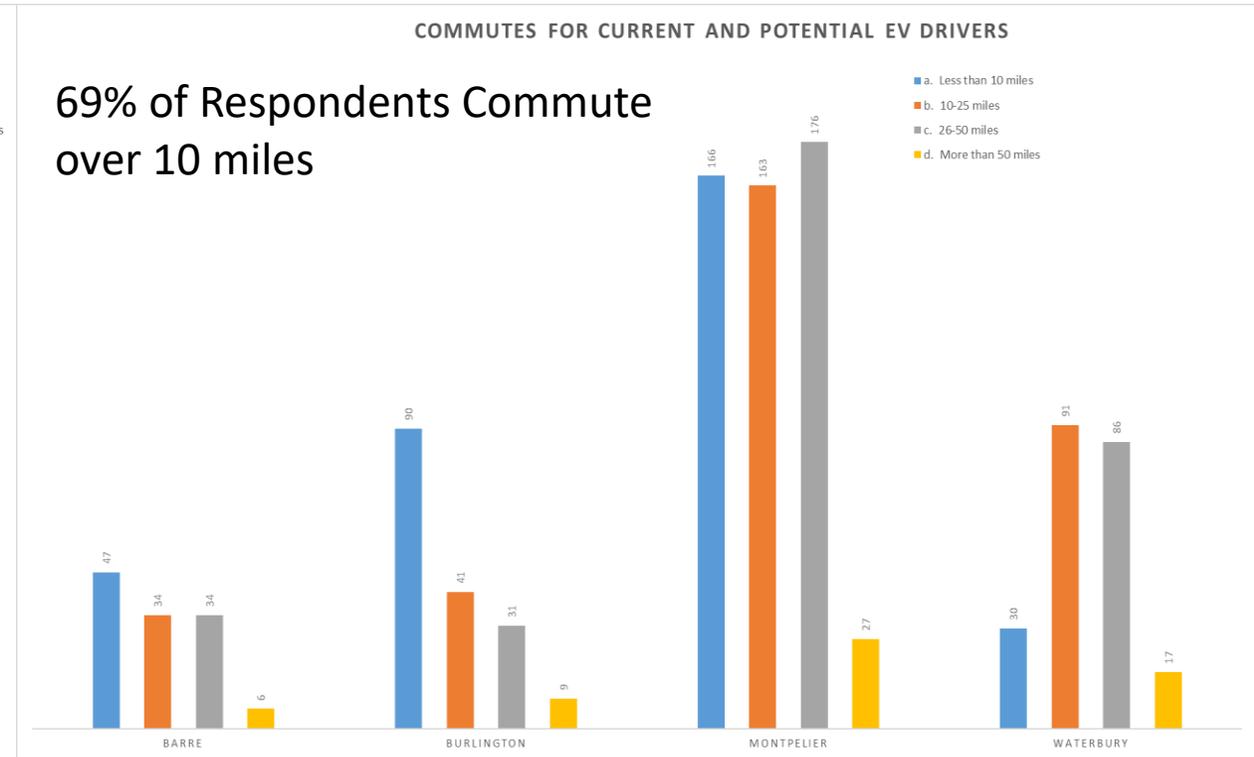
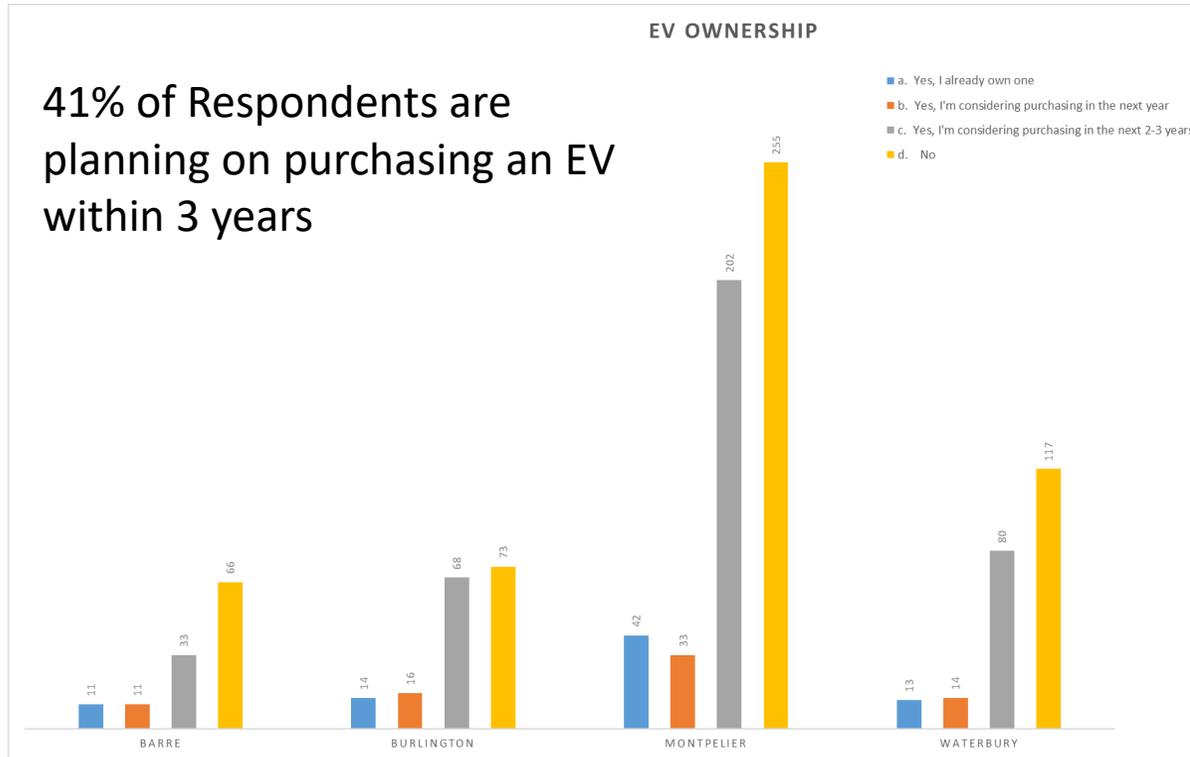


# Responses by Location

*Barre, Burlington,  
Montpelier, Waterbury*

## EV Ownership

## Commute

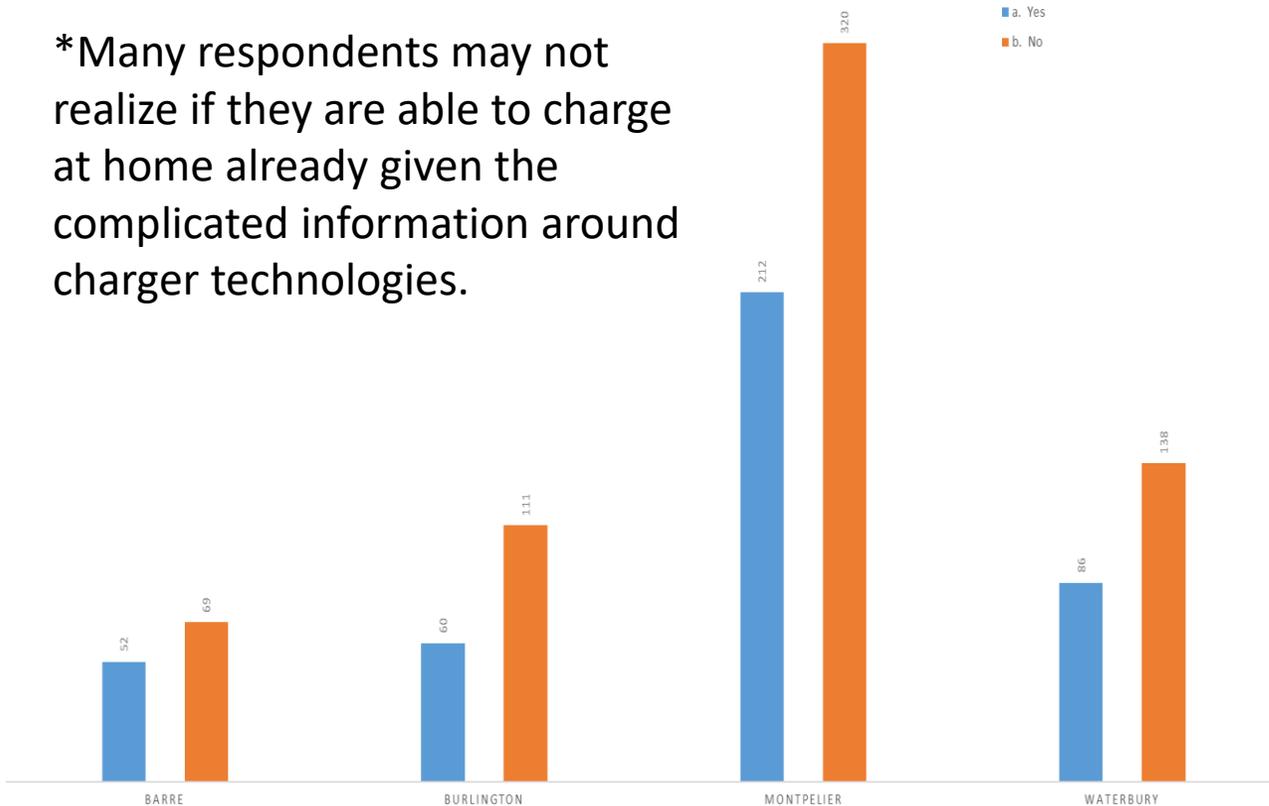


# Responses by Location

## Charging at Home

\*Many respondents may not realize if they are able to charge at home already given the complicated information around charger technologies.

CAPABILITY OF EV CHARGING AT HOME

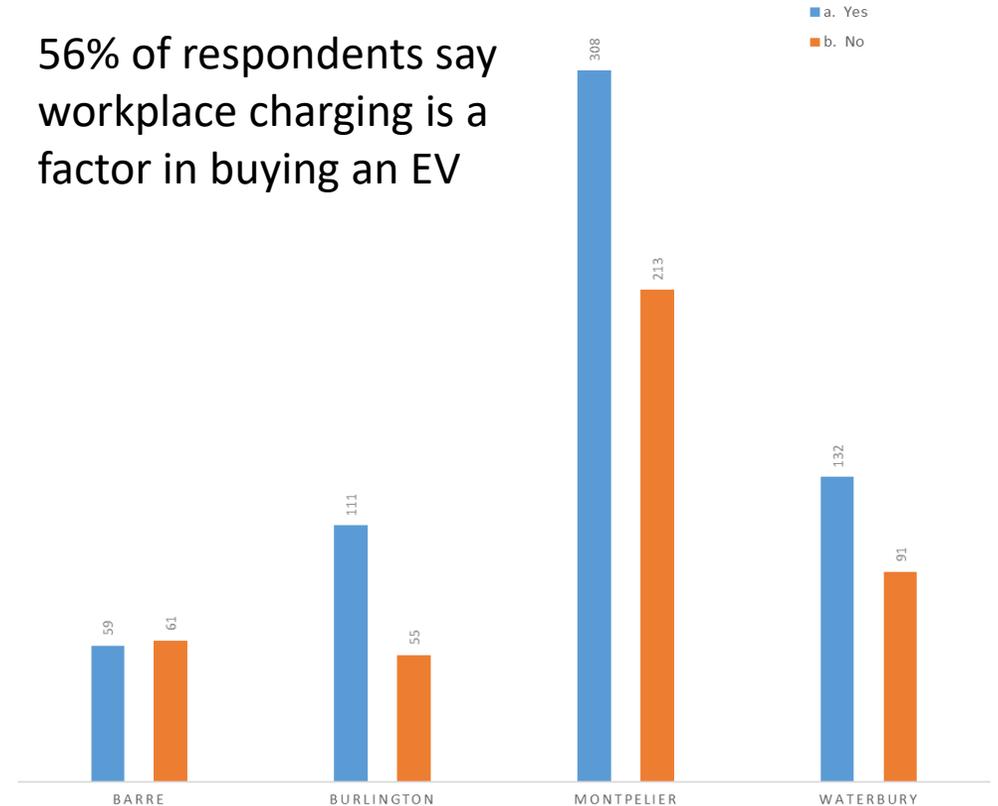


## Barre, Burlington, Montpelier, Waterbury

## Workplace Charging

56% of respondents say workplace charging is a factor in buying an EV

IS WORKPLACE EV CHARGING A FACTOR IN PURCHASING

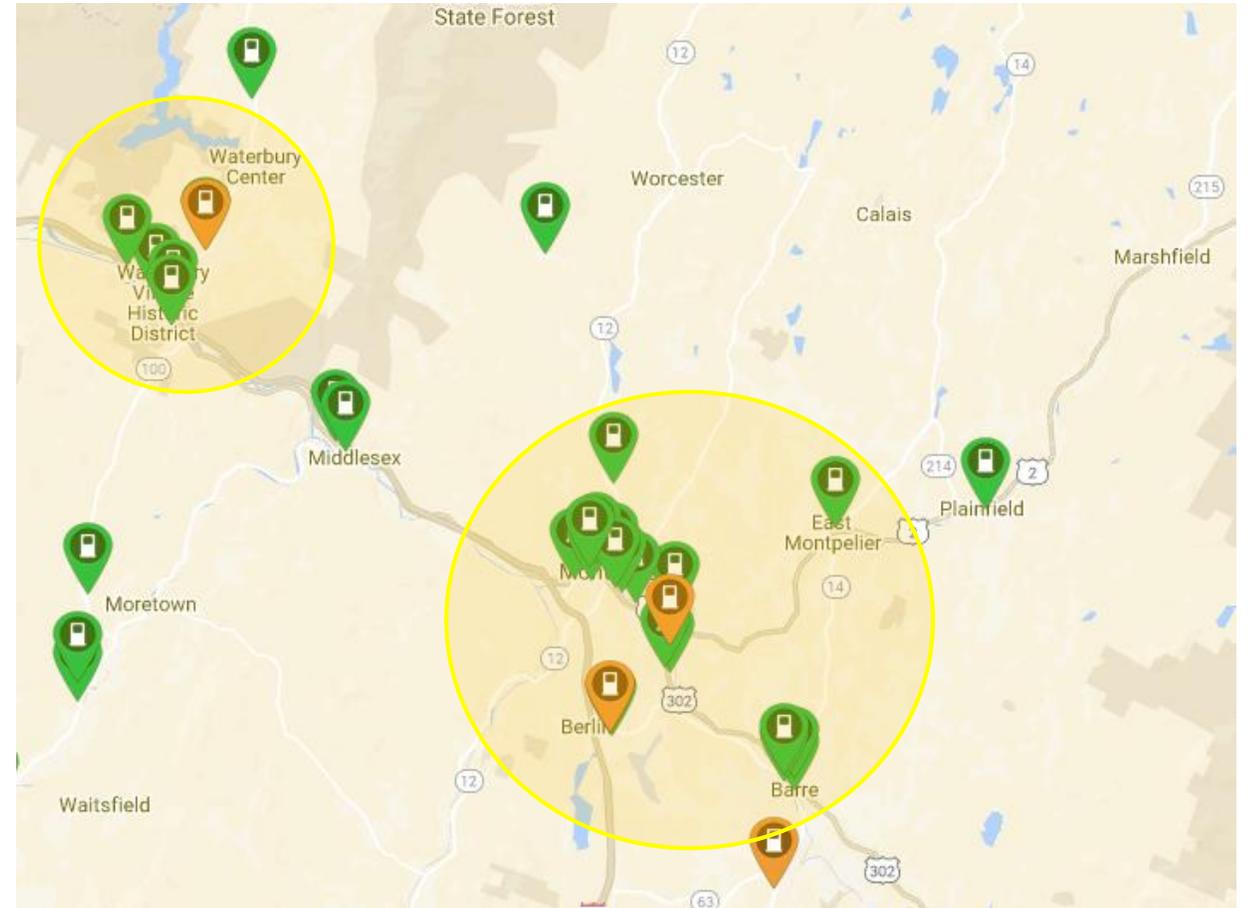


# Application of Results in State Planning

*How do we achieve the Most Impact?* (greatest conversion to EV miles per dollar spend)

*Who are we hoping to serve going forward?* (expand EV workplace charging that promotes secondary benefits statewide)

*How does our workplace charging strategy fit into a broader transportation transformation for VT?* (impact on second vehicle ownership, e-bike access, general VMT impact, TCI?)



Brian Sewell  
State Energy Program Coordinator  
Department of Buildings and General Services  
February 19, 2020

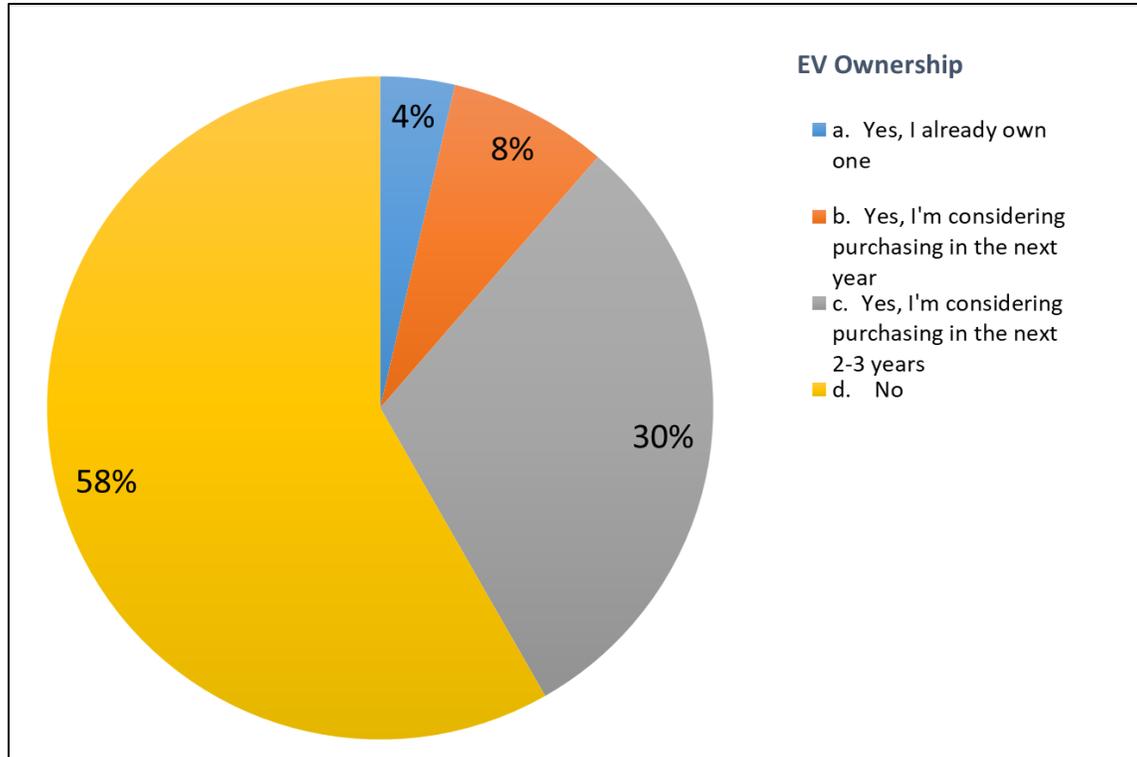
BGS EV Survey Results  
Senate Transportation  
Committee

150 Responses From:

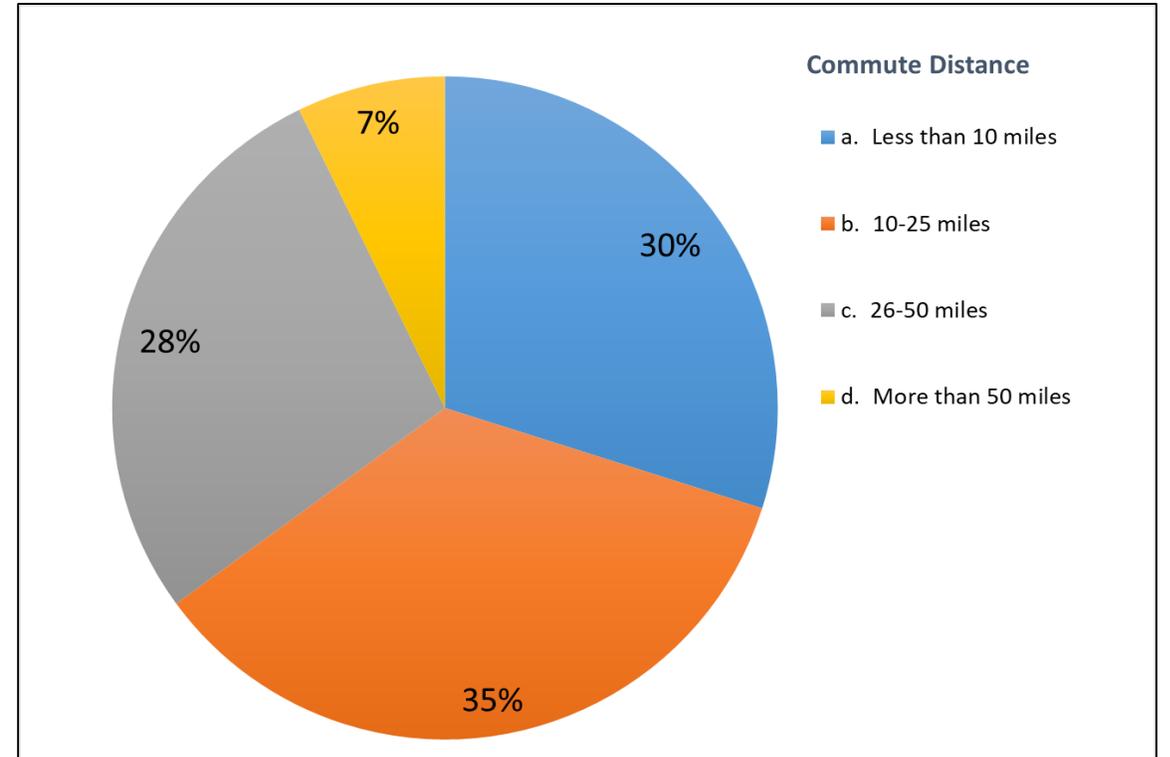
Brattleboro, Newport,  
Rutland, Springfield,  
Saint Johnsbury, and  
White River Junction

# Results

## EV Ownership

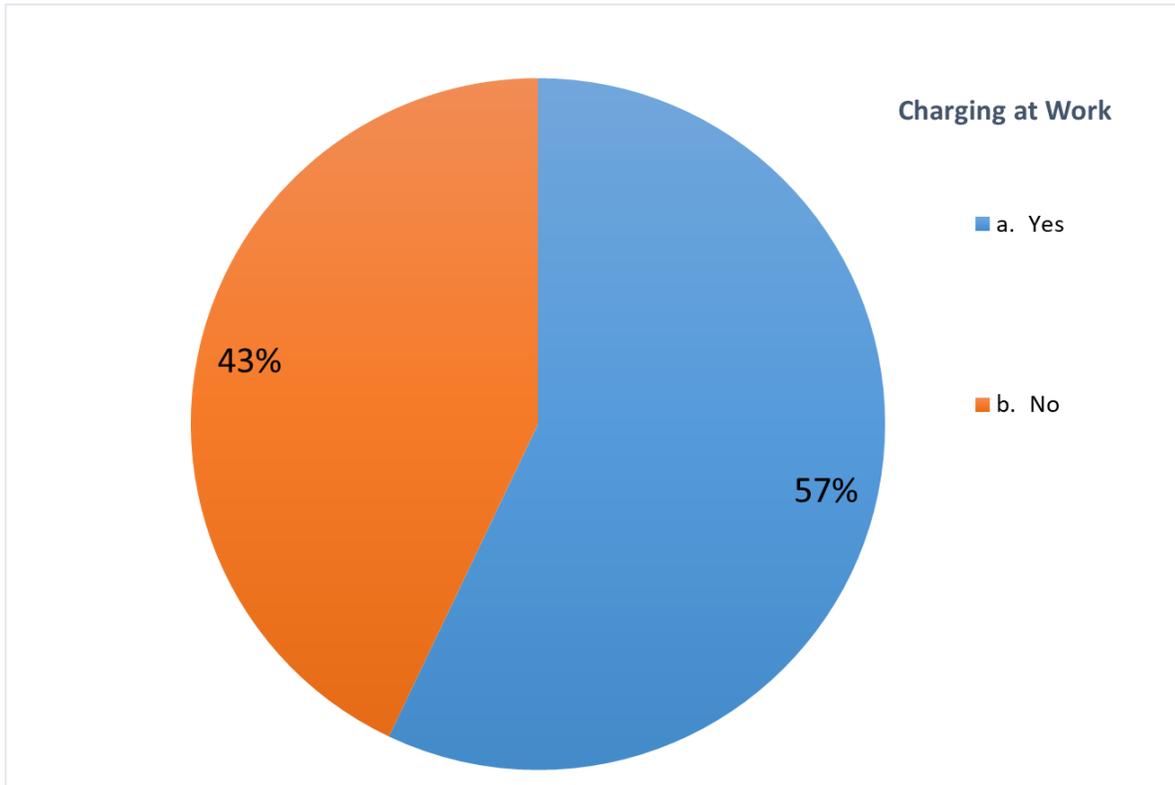


## Commuting Distance to Work

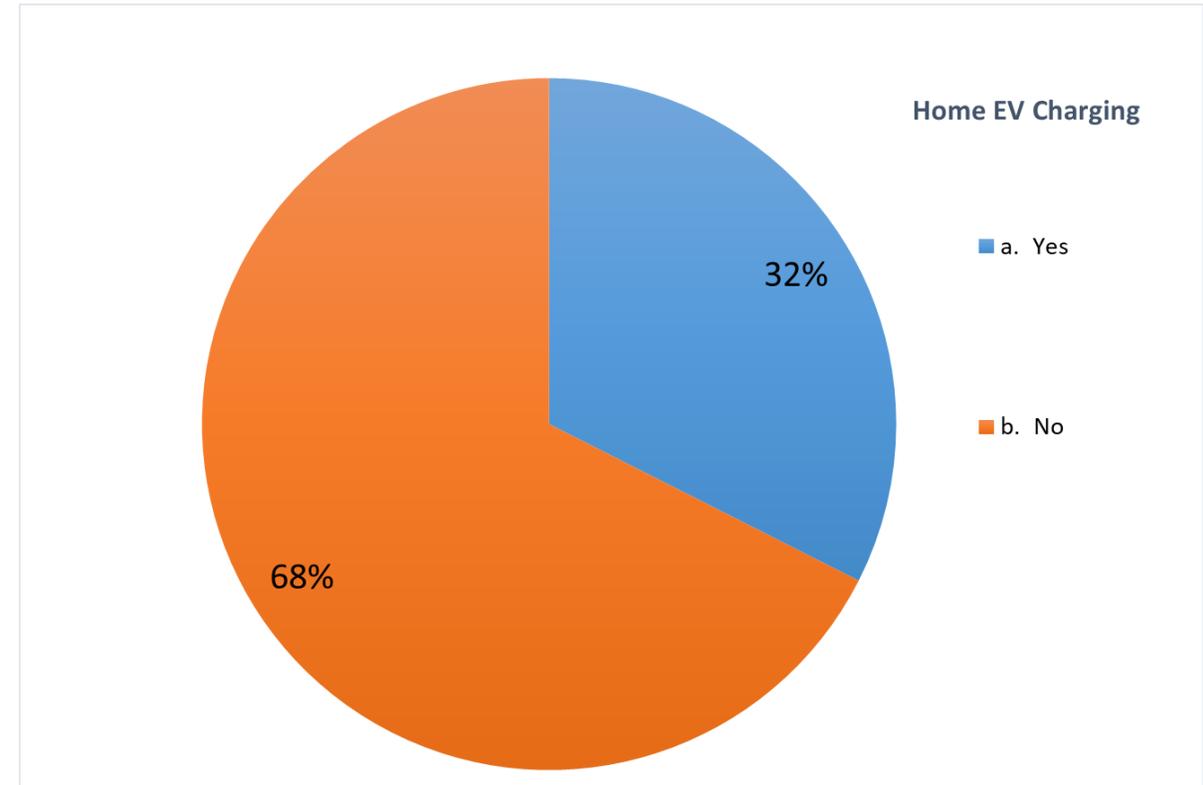


# Results

*Is Workplace Charging a Factor in Purchase of an EV?*

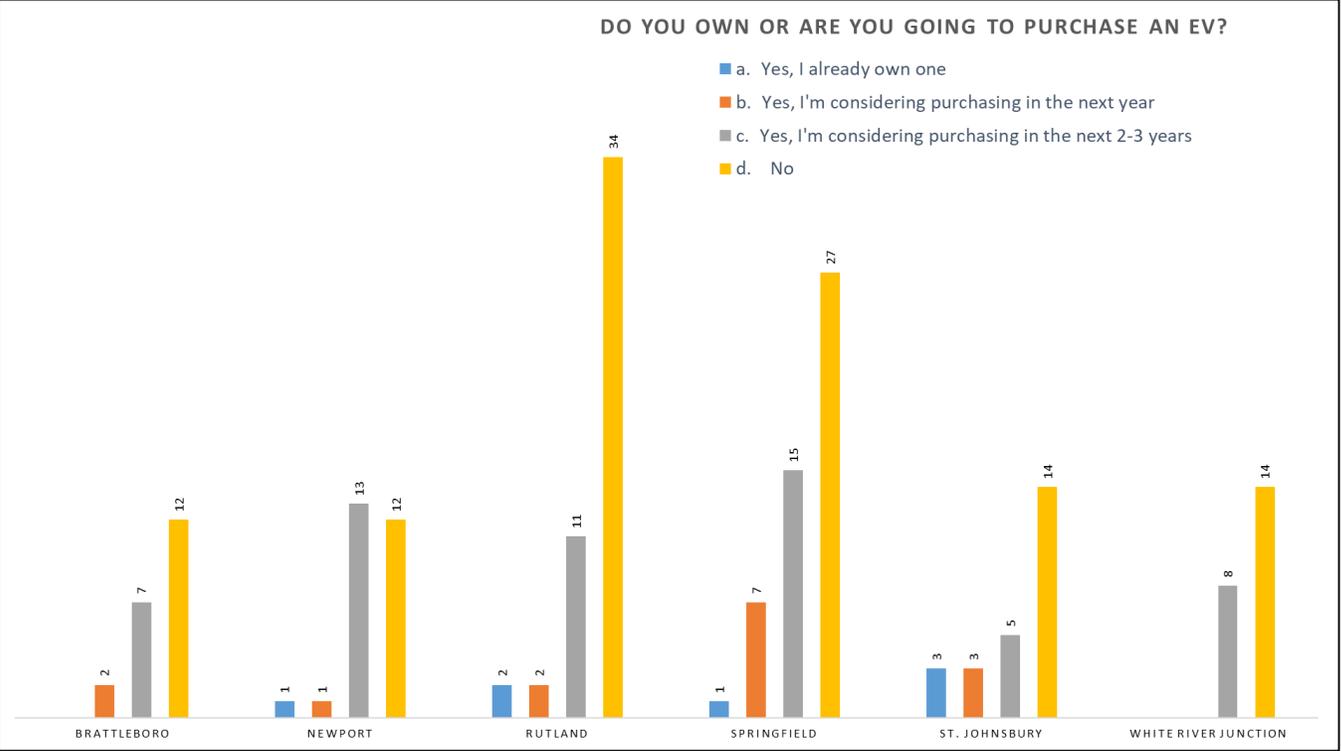


*Can You Charge at Home?*

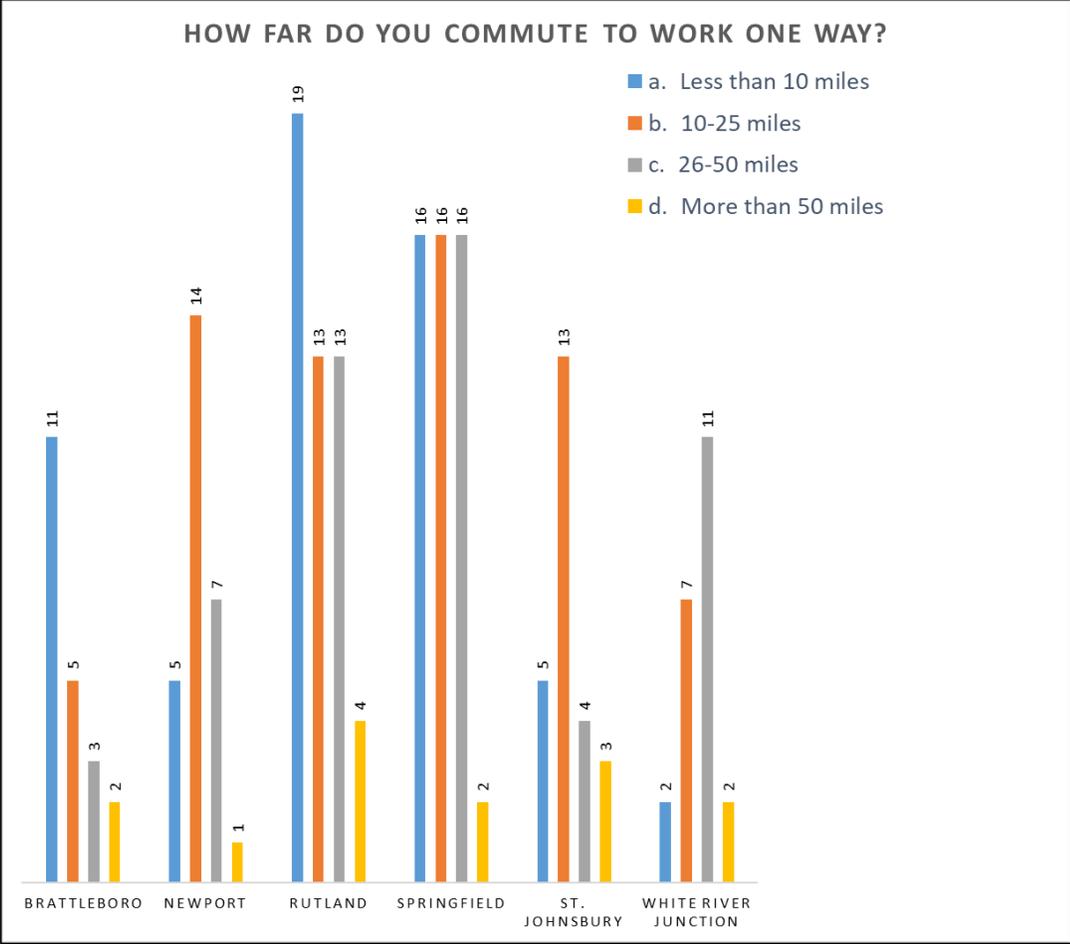


# Responses by Municipality

## EV Ownership

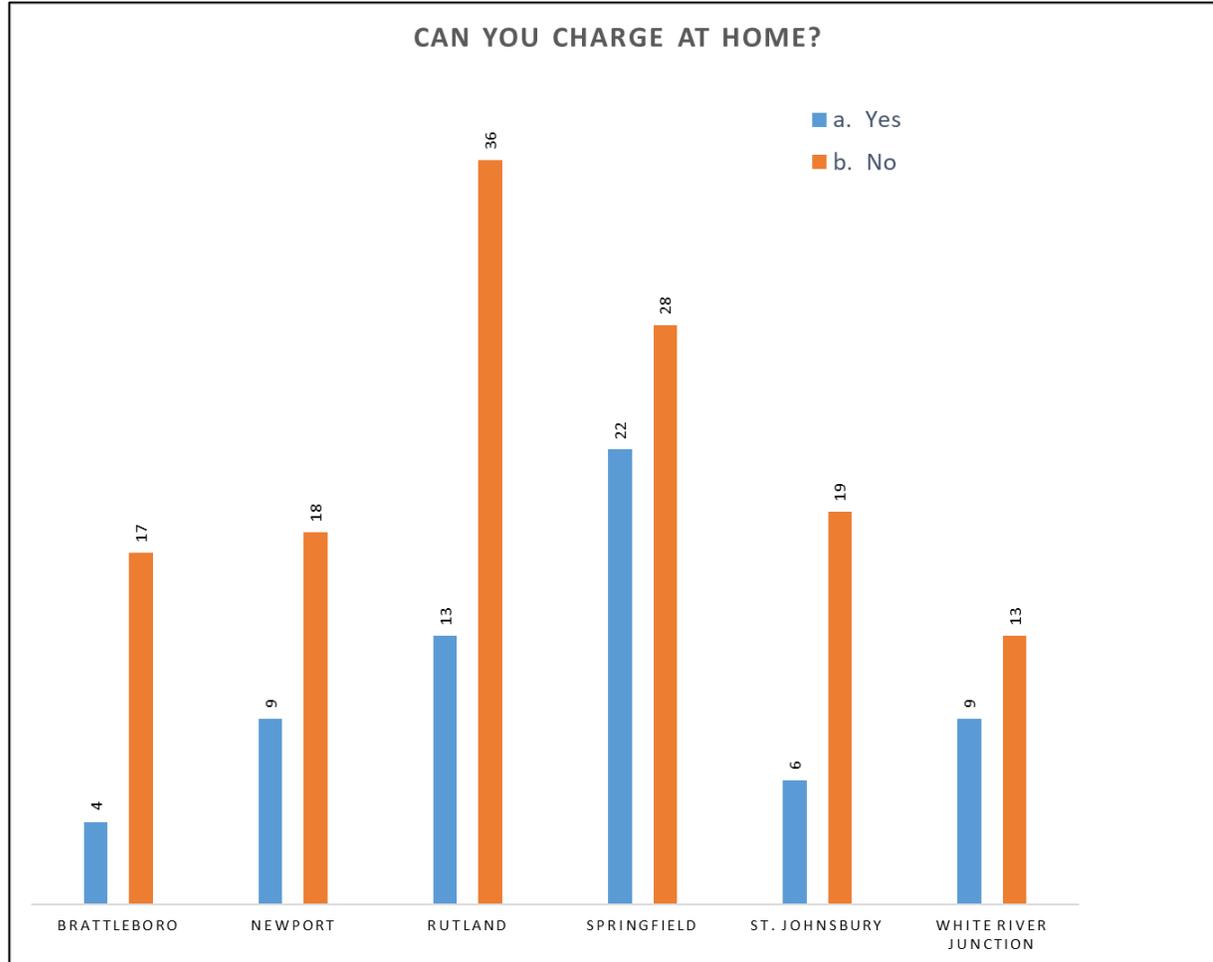


## Commuting Distance to Work



# Responses by Municipality

## Charging at Home



## Workplace Charging

