

BGS Charge-up Vermont!
EV Survey Responses

1/28/2020

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 and 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](#)

● a. Yes, I already own one	107
● b. Yes, I'm considering purcha...	118
● c. Yes, I'm considering purcha...	566
● d. No	881



Commute

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

[More Details](#)

● a. Less than 10 miles	523
● b. 10-25 miles	553
● c. 26-50 miles	496
● d. More than 50 miles	100



Workplace Charging

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

[More Details](#)

● a. Yes	933
● b. No	715
● Other	24



Charging at Home

Can you charge your vehicle at home?

[More Details](#)

● a. Yes	627
● b. No	1045



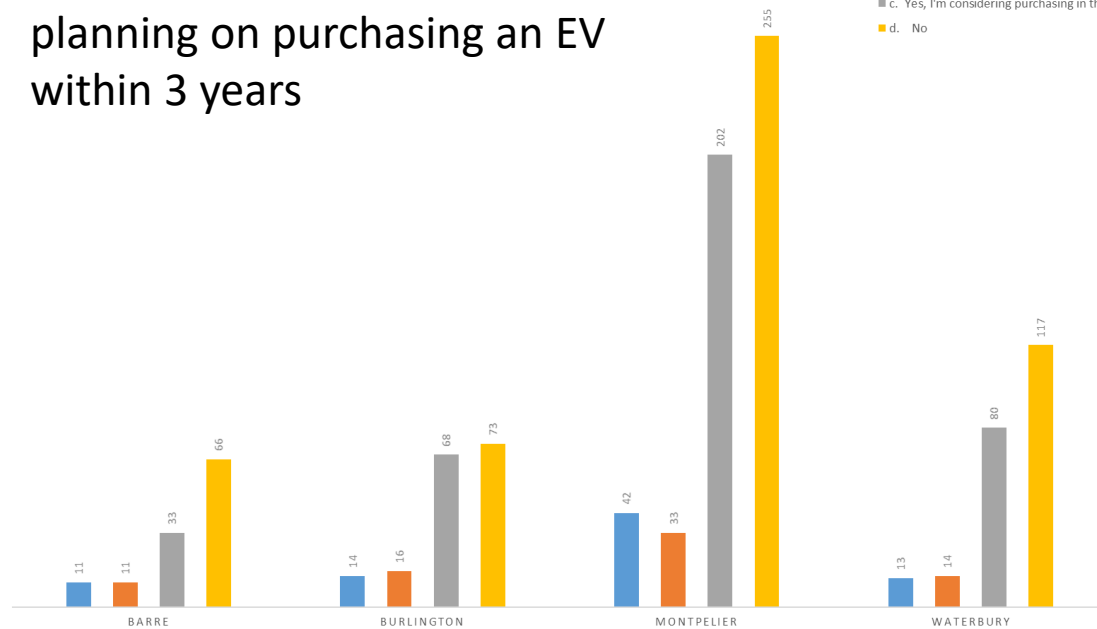
Responses by Location

EV Ownership

41% of Respondents are planning on purchasing an EV within 3 years

EV OWNERSHIP

- 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



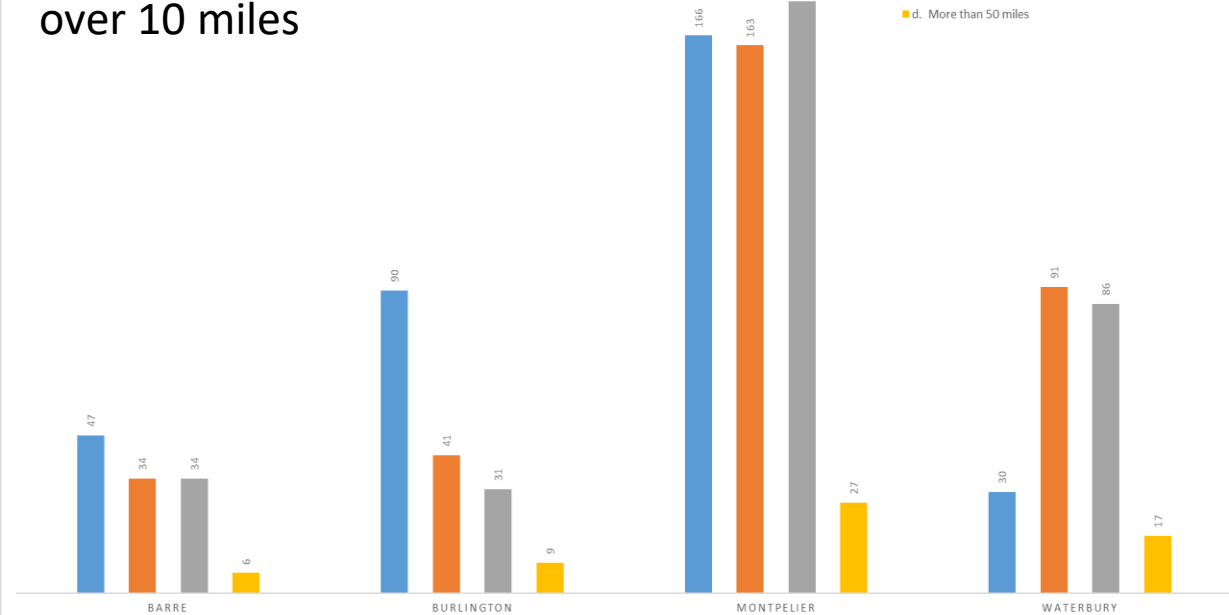
Barre, Burlington, Montpelier, Waterbury

Commute

69% of Respondents Commute over 10 miles

COMMUTES FOR CURRENT AND POTENTIAL EV DRIVERS

- a. Less than 10 miles
- b. 10-25 miles
- c. 26-50 miles
- d. More than 50 miles

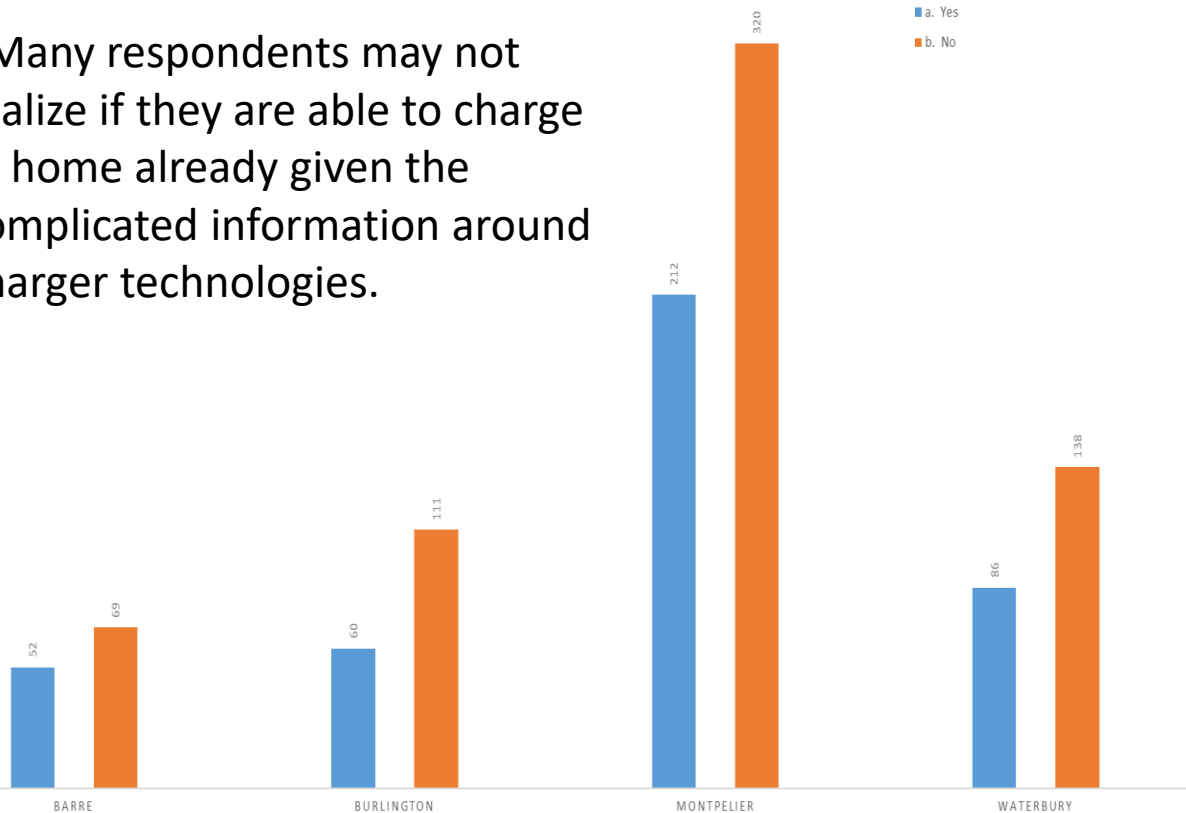


Responses by Location

Charging at Home

CAPABILITY OF EV CHARGING AT HOME

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

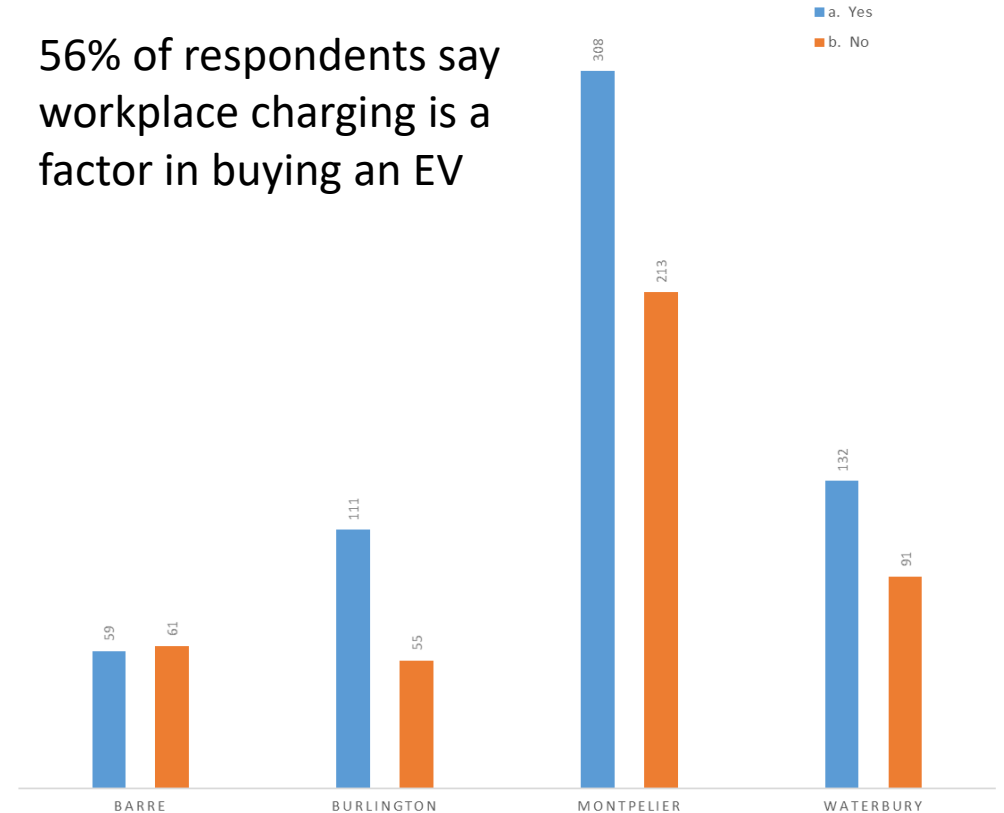


Barre, Burlington, Montpelier, Waterbury

Workplace Charging

IS WORKPLACE EV CHARGING A FACTOR IN PURCHASING

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



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?)

