

Project Title

Electric Vehicle Charging Station master Plan

Person who proposed it

Abby Bleything

Decision

Fully Funded

Budget

\$2,600

Project explanation

Electric vehicles (EVs) are part of a national and state-level strategy to reduce the climate impact of our transportation sector. In Vermont, transportation makes up not only the largest share of our energy consumption, but also represents the single largest sector contributor of GHG emissions at 45% of total.

In order to further the adoption of these vehicles the state is aiming incentives at low-to-moderate income Vermonters to bring down costs and make them more affordable than traditional combustion vehicles. Operating costs of these vehicles are considerably lower than a gasoline vehicles because there are no oil changes required and issues associated with combustion engines are not present. In addition, on average, driving an EV is the equivalent of about \$1.50 per gallon of gasoline, compared to the \$3.00+ that is paid for gasoline at the pump. So owning an EV is a more affordable option for lower income UVMers.

As, we install more stations on campus, we see the need to have a master plan that includes long-range goals for charging on campus, as well as an evaluation of suitable sites and equitable distribution of chargers. We expect more residential students to bring electric vehicles to campus, as OEMs like General Motors, discontinue manufacturing internal combustion vehicles. An EV Charging Master plan would allow us to plan for short- (fast) and long-term (trickle) charging stations, based on the needs of resident and commuter students. It would also allow the University to understand and budget the necessary resources required to purchase and install these stations.

Budget table

This Money will Supply	Requested funds	Justification
Student internship(s): 200 hours at \$13.00 per hour: \$2,600	\$2,600	This is a 8-month project that will take about 5 hours of student intern time/week

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