

FY2020 State Budget Sec C (e) electric vehicles

FMS Current Electric Vehicles

- (25) Plug-in Hybrid Electric Vehicles
- (2) Plug-in Electric Vehicles (fully electric)

Existing Motor Pool Locations with Charging Infrastructure

No. of Charge Ports	Town	Facility
16	Montpelier	7 Green Mountain Drive
4	Burlington	108 Cherry Street
8	Waterbury	Waterbury State Office Complex
28 Total		

Future EV Plans:

The \$500,000 appropriation will allow us to install charging infrastructure at additional motor pool locations and purchase additional plug-in electric vehicles.

Fleet's Focus

- **Purchase fully electric vehicles** -- To place at current and future motor pool locations so they will be available for all agencies and departments to use.
 - We will go out to bid for the EVs, but our best guess is a per vehicle cost of \$30,000-\$35,000.
- **Infrastructure** -- We are also estimating about \$8,000 per vehicle for charging infrastructure, fully installed.
 - **However**, this is based on a 2-year old estimate we received for the 134 State Street project and we know costs will vary significantly depending on the location and current electric capacity.
 - Excavation, landscaping, upgrading/adding a transformer or panel, etc. will impact cost.

Additional Locations

- **Identifying Locations** -- Using mileage reimbursement data and fleet trip data, we have identified the following locations as areas which will most benefit by making electric fleet vehicles available.
 1. Barre
 2. Rutland
 3. Springfield
 4. Montpelier (134 State Street)
- **Next Step** -- Determine charging infrastructure cost and feasibility at each of these locations.

Note: FMS already provides electric motor Pool vehicles in Montpelier

- Montpelier has the highest motor pool utilization
- Montpelier is one of the locations with the highest mileage reimbursement
- Expanding charging infrastructure in Montpelier will allow Fleet to convert more conventional fuel state vehicles to plug-in electric and make full electric vehicles available for state travel using motor pool.