




Winchester's First High Speed EV Charger

Climate Action Advisory Committee
Proposal to the Select Board 2/8/21



Why?

To continue to build Winchester's infrastructure to support electric vehicle use by residents, employees and visitors, consistent with the goals of Winchester's 2020 Climate Action Plan

Key Features of MassEVIP grant:

- DEP MA Electric Vehicle Incentive Program (MassEVIP)
- 100% of hardware + installation costs for DCFC (Direct Current Fast Charger) station on government-owned property; DCFCs give a full charge in 30 - 60 minutes
- Up to \$50,000/station
- Due 3/19/21



Where?

Location Option #1: Skillings Road adjacent to High School and Stop & Shop:

👍 Accessible to school, sports field, grocery store and close enough to walk to downtown

👍 High visibility

👍 In environmental Justice (EJ) neighborhood

👍 Scalable lot



Where?

Location Option #2: Shore Road lot adjacent to High School and Stop & Shop:


👍 Accessible to school, sports field, grocery store and close enough to walk to downtown

👍 Medium visibility

👍 Directly abuts environmental Justice (EJ) neighborhood

👍 Scalable lot

👍 Less busy than Skillings Road



Additional
locations to
target over
time:

Examples of additional possible locations:

- Ginn Parking Lot
- WinCAM lot
- Elementary Schools
- Wright-Locke Farm
- New MBTA station parking lot
- ...

CAAC 'Ask' to the Select Board

1. To authorize conversion of one parking spot at each of the two proposed locations for use by electric vehicles accessing a DCFC charger
2. To authorize additional spots for future use
 - authorize Town Planner/Town Engineer/one Select Board designee for future approval
 - or design some guideline on Yes/No/Preferred/Discouraged

References

1. Winchester's 2020 Climate Action Plan
<https://www.winchester.us/DocumentCenter/View/4633/Climate-Action-Plan-2020>
2. Massachusetts Electric Vehicle Incentive Program (MassEVIP)
<https://www.mrpc.org/home/news/massachusetts-electric-vehicle-incentive-program>
3. Baker-Polito Administration Releases Roadmap to Achieve Net Zero Emissions by 2050 <https://www.mass.gov/news/baker-polito-administration-releases-roadmap-to-achieve-net-zero-emissions-by-2050>
4. Environmental Justice neighborhood in Winchester
http://maps.massgis.state.ma.us/map_ol/ej.php