

#7, ALTERNATE FUEL VEHICLE UPGRADE & CHARGING STATION CITY OF SCHENECTADY

<p>LOCATION: Metroplex Development Authority public parking lot at Liberty St & Broadway</p> <p>DESCRIPTION: The purchase of 2 new electric/gasoline sedan style, passenger vehicles and 1 new standard pedestal style, 240 volt rapid charging station capable of charging 2 electric vehicles simultaneously. Vehicles will be for use in the city of Schenectady code department and will replace 2 oldest fleet vehicles as determined by the fleet manager.</p> <p>SET-ASIDE: RG102 (Alt. fuels for non-CDTA fleets)</p> <p>COST: \$83,900 LIFE: 10 years</p> <p>SPONSOR: City of Schenectady</p> <p>PAVEMENT CONDITION: N/A</p> <p>FUNCTIONAL CLASS: Minor Urban Arterial</p> <p>AADT: N/A</p> <p>ON PRIORITY NETWORK(S): Access Mgmt.</p>	<p>BENEFIT/COST RATIO N/A</p> <p><i>Alternative Fuel for Non-CDTA Fleets Set-aside has specific evaluation criteria:</i></p> <ul style="list-style-type: none"> • City of Schenectady has experience with the Federal Aid process. The nature of the project does not require an experienced team. • Gas gallon equivalents (GGEs) displaced: 478 • Reasonable return on investment: Yes, \$500/year savings in operating costs per vehicle • Emission benefits: 5 tons CO2 • Realistic project cost: Yes
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<p>CONGESTION RELIEF: N/A</p> <p>AIR QUALITY BENEFIT: Greenhouse Gas reduction of 5 tons of CO2/year.</p> <p>ENVIRONMENTAL MITIGATION: Within .25 miles of an aquifer and several National Historic Register Districts.</p> <p>REGIONAL SYSTEM LINKAGE: The electric vehicle charging station will support the regional charging station network.</p>

<p>LAND USE COMPATIBILITY (PLANNED OR EXISTING): Consistent with NYS Energy Plan and helps accomplish petroleum displacement goals of Capital District Clean Communities Coalition.</p> <p>CONTRIBUTION TO COMMUNITY OR ECONOMIC DEVELOPMENT: Project will improve quality of life and will be the first EV charger in the downtown business district to serve patrons and visitors as well as city vehicles.</p> <p>ENVIRONMENTAL JUSTICE: Low Income and/or Minority</p> <p>BUSINESS OR HOUSING DISLOCATIONS: The EV Charger will be in a centrally located public surface parking lot in downtown Schenectady. No ROW is needed.</p>

<p>FACILITATES:</p> <p>BICYCLING – N/A</p> <p>WALKING – N/A</p>	<p>TRANSIT USE – N/A</p> <p>GOODS MOVEMENT – N/A</p> <p>INTERMODAL TRANSFERS – N/A</p>
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<p>SPONSOR PRIORITY: 1</p> <p>SCREENING ISSUES: N/A</p> <p>OTHER CONSIDERATIONS: Replacing the 2 oldest vehicles in this fleet with Chevrolet Volts will displace 478 gallons of petroleum and 5 tons of CO2 annually. Improving the overall fleet footprint by 20%. This project will save, conservatively, at least \$1,600 annually in fleet operating/fueling costs.</p>
