

5.4 Support Zero Emission Vehicle Deployment

5 Points

10 Points

15 Points

20 Points

Objective

Transition your fleet, and create infrastructure for Zero Emission Vehicle (ZEV) that city officials, residents, businesses, and travelers may use.

Complementary Action:

- [Manage Municipal Fleets](#)

What to Do

The more you do, the more points you earn.

1. Clarify the status of zero emission vehicle (ZEV) infrastructure within your municipal regulations. Sponsor or host a ZEV promotional event or education workshop with a community partner or third-party. For example: host a vehicle showcase day, or educational session on the costs and benefits of ZEV ownership, etc. **(5 points)**

Submit: Your ordinance(s) or regulation(s) referencing inclusion or treatment of electric vehicle charging stations, and the title, date, and short description of the workshop.

2. Replace at least 5% of non-emergency passenger vehicles with zero emission vehicles. **(5 points)**

Submit: Purchase receipts for zero emission fleet vehicles, and the number of total non-emergency passenger fleet vehicles in municipality.

3. Conduct an assessment of where ZEV charging infrastructure is needed in your community (public and private). Assess proximity to neighborhoods and commercial districts that have varying demographic characteristics and housing types. **(5 points)**

Submit: A copy of the assessment.

4. Host at least one electric vehicle charging station for public use on municipal property. **(5 points)**

Submit: Proof of operational electric vehicle charging station on a municipal property.

Potential Municipal and Community Collaborators

Staff from the planning, purchasing, building departments and a representative from your energy commission could be helpful in implementing this action.

Funding

Below are potential funding sources specific to this Action. For a complete listing of potential funding opportunities to assist with implementing Sustainable CT Actions, please visit the [Sustainable CT Grants Portal](#), which is searchable by Action. Please also visit the [Sustainable CT Resources for Certification](#) page for opportunities for technical assistance and other supports.

- The [CT Department of Energy and Environmental Protection](#) is currently offering a \$5,000 rebate for Connecticut residents who purchase or lease a new battery electric, plug-in hybrid electric or fuel cell electric vehicle.

Resources

Toolkits, Calculators, Guidance Documents

- CT Department of Energy and Environmental Protection, EVConnecticut, "[Charging Resources](#)" and "[Connecticut's Existing EV Charging Equipment](#)" map.
- Transportation and Climate Initiative, "[Northeast Electric Vehicle Network Documents](#)"
- Rhode Island Office of Statewide Planning, "[Zero Emission Vehicle Municipal Handbook: A Land Use Guide for Cities and Towns](#)"
- Energy Solutions, "[Plug-In Electric Vehicle Infrastructure Cost-Effectiveness Report for San Francisco](#)"
- Acadia Center, "[Community Energy Vision, Action Guide for Connecticut](#)"

Organizations and Relevant Programs

- CT Departments of Energy and Environmental Protection and Transportation, [EVConnecticut](#)
- Electric charging station locations. [Plugshare offers the most updated EV charging station locations in Connecticut.](#)

Why This Matters

Roughly 40% of Connecticut's greenhouse gas emissions can be attributed to the transportation sector, which runs primarily on fossil fuels. At the state level, Connecticut is committed to supporting ZEV deployment, and the Connecticut Departments of Transportation and Energy and Environmental Protection have partnered to create [EVConnecticut](#), a one-stop shop for all things ZEV. Connecticut has also signed on to the [International ZEV Alliance](#) and [8-State ZEV Memorandum of Understanding](#) to accelerate ZEV uptake in the state. ZEVs include pure battery electric vehicles, plug-in hybrid electric vehicles, and hydrogen fuel cell electric vehicles.

Benefits

Transitioning to zero-emission vehicles and their supporting infrastructure allows your municipality and residents to take charge of your transportation footprint, while also providing many other benefits:

- When you drive a ZEV, you produce far less air pollution than a traditional car or truck, creating healthier places to live, work and play.
- ZEVs are often cheaper to drive and maintain. Residents can spend an excessive portion of their budgets on travel, but ZEVs offer a lower-cost opportunity than traditional vehicles. For instance, if you compare the price of a gallon of gas to an equivalent electric 'gallon' it's about 40 cents [cheaper](#). ZEVs don't require routine oil changes, which further reduces operating costs. There are other financial perks to driving a ZEV: in CT ZEV owners can register their ZEVs for only \$38 for a two-year registration, while conventional gas vehicle owners pay \$80!

CT Success Stories

- Windham, CT: [EV Charging Stations on Town Property](#) and [EV Lease-Purchase ZEV](#)

Credit for Past Action

- Electric vehicle charging station installations do not expire. All other elements require a proof of update prior to application submission.