MHLS State Aid for Library Construction Program Application | FY2023

Abstract: This project will install four electric vehicle (EV) charging stations at MHLS headquarters in Poughkeepsie.

Description of Project: This project will install four electric vehicle (EV) charging stations in the parking lot of our office building and auditorium in Poughkeepsie, NY.

The charging stations will be Level 2 (7.6W) commercial EV charging stations, including mounts, cable, and Type 1 plugs. The units come with software license and network packages.

The project will involve the installation of the EV charging station infrastructure which includes panels, meters, and electrical system. The electrical system will require excavation, trenching, and resealing of the trenching in the parking lot.

Impact of Project: When fossil fuels, including oil, are burned they release large amounts of carbon dioxide, a greenhouse gas. Greenhouse gasses trap heat in our atmosphere, causing global warming and climate change. Climate change has been identified as the single biggest threat facing humanity by the World Health Organization and in 2021 the UN Secretary General issued a "code red for humanity" in light of the dire predictions of the current and future impacts of climate change on our world.

The transportation sector contributes 27% of greenhouse gas emissions. As a result, there is a growing focus on the electrification of vehicles to reduce greenhouse gas emissions with the auto industry on track to have 50% of car sales before EVs by 2030. This massive influx of EVs to the streets of America call for charging infrastructure improvements. Through this project the Mid-Hudson Library System aims to support a workforce, governance board, member library leaders and neighbors who are making the switch to EVs with the installation of four charging stations in its parking lot.

This project will also serve as a model to the sixty-six (66) member libraries of the system to educate them about the importance of providing EV infrastructure for their communities.

Total Project Cost: $59,600

Request Amount: $16,422