



TOWN OF FRANKLIN

2020 Green Communities Grant Submission

INSTALLATION OF EV CHARGING STATIONS AT THE TOWN HALL AND PUBLIC LIBRARY

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ATTACHMENT A

PROJECT NARRATIVE - PURCHASE & INSTALLATION OF ELECTRIC VEHICLE CHARGING STATIONS

TOTAL GRANT FUNDS BEING REQUESTED: \$15,000.00

1. **The Town of Franklin's total energy consumption for the 2019 year is as follows:**
 - a. Total Energy Consumption (Weather Normalized): **113,669 MMBtu**
 - b. Please View *EXHIBIT 1: Annual Municipal Energy Use* for the entire Chart
2. **The total energy use at Municipal Library and Town Hall Buildings is as follows:**
 - a. Annual Energy usage at the Franklin Municipal Building (355 East Central Street, Franklin, MA 02038):
 - i. **Municipal** Building annual energy use: **356,600 kWh**
 - ii. View *EXHIBIT 6* for our most recent Municipal Building energy bill
 - b. Annual Energy Usage at the Franklin Public Library (118 Main Street, Franklin, MA 02038):
 - i. **Public Library** annual energy use: **239,880 kWh**
 - ii. View *EXHIBIT 7* for the most recent Public Library Energy Bill
3. **Specification Sheets for all equipment to be installed:**
 - a. Specification Sheet Municipal building: *EXHIBIT 8*
 - b. Specification Sheet Public Library: *EXHIBIT 9*
4. **Proposed Budget for the Purchase and Installation of Electric Vehicle Charging Stations**
 - a. *EXHIBITS 8 and 9*
5. **Provide a description of the applicant and the project team and its qualifications for completing the project, including all identified partners, contractors, and any technical service providers. Applicants are encouraged to seek qualified, independent project managers or clerk of the works to coordinate the day-to-day activities. Grant administration funds can be used for this purpose.**
 - a. Inovis Energy, Inc. is a turn-key service provider and is responsible for all phases of the implementation process of this project. Inovis Energy, Inc. assigns a dedicated Project Manager to every project. The Project Manager (PM) will be the primary point-of-contact through the implementation of the project. We have been working closely with Gabriel Andreson, President of Inovis Energy who is our main point of contact for this project. Gabriel will be working closely with the Town of Franklin's Facilities Director, Michael D'Angelo over the course of this project.
6. **Energy Audit**
 - a. *EXHIBIT 5*

PROJECT PROPOSAL & SCOPE

The Town of Franklin has developed a plan to install electric vehicle charging stations at two municipal-owned buildings. Three (3) dual port bollard charging stations will be installed at the Franklin municipal building. The charging stations will be available for use by municipal owned vehicles and employees and will also be available for use by members of the public. The charging stations will be available to at least one handicap accessible parking space. One (1) dual-port bollard charging station will be installed at the Franklin Public Library, and will also be available for Public and municipal use. We are applying for grant funding to supplement the costs of installing two out of the four dual port charging stations that will be located at the Town Hall building and the Public Library.

The Town of Franklin would like to reduce its carbon footprint and greenhouse gas emissions. In efforts to create a more efficient vehicle fleet, the Town of Franklin will be phasing in twelve fully electric battery powered vehicles and will also Retrofit four pickup trucks to run as plug-in hybrid electric vehicles using aftermarket conversion technology over the course of the next three to five years. These proposed electric vehicle charging stations will be used to power Franklin's evolving and increasingly more efficient vehicle fleet. They will also be a convenient resource for residents who have plug-in hybrid or fully electric vehicles who would find it convenient to use one of the charging stations. We would like to begin this project within this calendar year.

The procurement process will be spearheaded by Inovis Energy, Inc., they will be in charge of all of the purchasing for this project and will also be submitting information on behalf of the Town of Franklin for National Grid's utility incentive and the alternative fuel, vehicle refueling tax credit.

The installation of Electric Vehicle Charging Stations will support the Town of Franklin's five-year energy reduction plan by powering the energy efficient vehicle fleet originally proposed in the Energy Reduction Plan. In the Town's five year energy reduction plan it was determined that vehicles were the second largest energy consumer for the Town, accounting for 13% of the Town's energy consumption in FY16. In the five year energy reduction plan, the Town sought to purchase more efficient vehicles. Municipal fleets often account for over one third of total energy consumption which points to vehicles as important targets in the reduction of energy consumption and greenhouse gas emissions.

Green Community grant funding is needed to help supplement the cost of installing Electric Vehicle Charging stations. The municipality is looking for funds to supplement the remaining costs, after the National Grid Incentive is credited towards the project. The Town of Franklin is asking for a total of \$15,000 in Green Community Grant funding to be allocated towards the installation and purchase of electric vehicle charging stations. \$7,500 of the Green Communities Grant Funding will be allocated towards the purchase and installation of EV Charging Stations at the Municipal Building (Town Hall) and the remaining \$7,500 dollars will be used for the purchase and installation of an EV Dual Charging Port at the Library. The remaining \$23,896 in costs associated with this project will be paid for using available funds from the Town of Franklin. There will be building and electrical permits pulled for this project, these permits will be pulled once we have received approval from National Grid for their incentive package.

Opportunities for education and outreach will be available to the staff and public. Using our various social media platforms the Town of Franklin will announce to the public the locations of the electric vehicle charging stations at Town buildings along with an information pamphlet on the benefits of fuel efficient vehicles. We will also use social media platforms to inform the Public and Town Staff of the many steps Franklin is taking to reduce its carbon footprint and integrate a more fuel and energy efficient fleet.

We greatly appreciate your consideration.

Respectfully Submitted by,
Alecia Alleyne