

2022 North Carolina VW Settlement Program
Phase 2 Zero Emission Vehicle Infrastructure Program
DC Fast Charging Stations Application

This is a representation of the application information submitted by the applicant in the DAQ Grants Management System. Required application attachments and the original application are available to view in the DAQ Grants Management System.

Applicant Contact Information

| | |
|---|---|
| Project Title | |
| Station ABC | |
| Organization Name | |
| Town of ABC | |
| Organization Mailing Address | |
| 1 Way Street | |
| City, State Zip | |
| ABC NC 27633 | |
| Authorized Representative Name | |
| Tom Thumb | |
| Authorized Representative E-mail Address | Authorized Representative Phone Number |
| tthumb@abc.gov | (555)555-5555 |
| Project Manager Name (primary contact) | |
| Wile E. Coyote | |
| Project Manager E-mail Address | Project Manager Phone Number |
| wecoyote@abc.gov | (555)555-5555 |
| Financial Contact Name | |
| Buggs Malone | |
| Financial Contact E-mail Address | Financial Contact Phone Number |
| bmalone@abc.gov | (555)555-5555 |

Project Details

| | |
|--------------------------------|-------------------------------|
| Eligible Applicant Type | Vehicle/Equipment Type |
| Government | DC Fast Charging (EMA-9) |



Project Location (where equipment will be installed and/or used)

| | | | |
|--|---------------|------------------------|------------------------------|
| Street Address | | | |
| 1670 Access Road | | | |
| City | | County | Zip |
| ABC | | Best | 27632 |
| GPS Coordinates (decimal degrees) | | | |
| Latitude (°N): | 35.925954 | | |
| Longitude (-°W): | -78.590946 | | |
| Distance from interchange (miles): | | | 0.6 |
| Distance to closest DC Fast charging station: | | | 70.1 |
| Distance to amenities (retail or service establishments): | | | 0 |
| | Yes/No | Available 24/7? | If no, please explain |
| Accessibility to general public: | YES | YES | |
| Water & Restrooms: | YES | YES | |
| Lighting for safety: | YES | YES | |

Project Details (Questions 1-5 are required.)

1. Please provide a detailed description of the proposed project. Describe procurement, installation, activation/commissioning, testing, and signage. Describe collaborations with interested utilities, local businesses, cities, counties, or other entities. Describe sustainable business model for this project. Describe customer support service accessibility. Describe networking security for both payment and data capture.

The Town of ABC proposes to replace a seven year old DC fast charger in the heart of the DEQ's priority corridor of I-40 between Pleasantville and Mocksboro located at Station #125 (1670 Access Rd, ABC, NC, 27632) that is no longer operational and add an additional charger to the location. Replacing this charger will continue the town's environmental goals to reduce reliance on fossil fuels.

This project fits into the Town of ABC's goal of a Greener Energy Future by helping reduce carbon, provide grid flexibility and advance beneficial electrification. The Town of ABC will work with NCDEQ, NCDOT, local authorities and the station site host to coordinate signage. Well-placed signs can safely direct a driver to a station and raise awareness and confidence in the availability of EV charging stations in North Carolina.

As the local government that serves the proposed DC Fast charger site, The Town of ABC will use its strong relationship with its membership to promote the station throughout the community and engage all interested stakeholders. The Town of ABC will create a sustainable business model through a rate structure to recover the costs of delivering the power to the station. It will also promote the station upgrades by using the ChargeCompany network to populate the chargers on all major EV map sites (Alternative Fuels Data Center, PlugShare, ChargePoint, Google Maps, etc). In addition, ChargePoint has roaming agreements with all the major public EV charging companies (Electrify America, EVGo, Greenslots, etc) accounting for 95% of the publicly available chargers in the United States, so EV drivers with memberships from other providers will be able to charge at the station without additional inconvenience or cost. Also, as part of this service, ChargeCompany will provide drivers with multiple secure payment options including the ability to pay by credit card, 24/7 support, remote monitoring and diagnostics, energy management, utilization data and reporting capabilities. The Town of ABC will use this data to better understand the characteristics of this type of equipment on the electrical system and how it can benefit the grid, as well as to determine when to invest in additional charging infrastructure.

2. Explain how this request fits into North Carolina's Beneficiary Mitigation Plan.

The Town of ABC will help achieve the goals of North Carolina's Beneficiary Mitigation Plan by installing EV charging infrastructure that encourages increased adoption of EVs, which lowers NOx emissions and other criteria pollutants. Further, the Town of ABC will cover the make ready costs and help offset the remaining costs to ensure the project is competitive. This additional cost share helps provide the most cost-effective projects to the VW settlement trust, maximizing the number of DC Fast charger projects undertaken with existing funding. The Town of ABC will leverage its close relationship with its membership and its EV education programs to build awareness and demonstrate that public infrastructure is readily available, minimizing the potential for range anxiety and maximizing EV adoption throughout the state.

3. What is the likelihood that the project will incentivize future indirect NOx and other emission reductions?

Public placement of reliable EV charging infrastructure has demonstrated increases in EV adoption. Grant funding is paramount to starting an EV charging ecosystem and encouraging the continued adoption of EVs as an alternative to gas-powered vehicles. As North Carolinians and the Town of ABC members experience the benefits of providing EV charging services, they are more inclined to make future investments that will expand this ecosystem and further contribute to emission reductions. The project will also strengthen North Carolina's efforts to achieve a cleaner grid. In addition, with the Town of ABC leveraging their access to Renewable Energy Credits (RECs) to supply energy to the chargers, demand for RECs will grow and ultimately stimulate suppliers to make RECs more readily available and cost effective.

4. Renewable Energy Certificates: Please provide detailed plans for any use of any renewable energy certificates for powering the charging station and how the energy will be provided. Include a signed copy of the agreement.

The Town of ABC will ensure that 100% of the projected energy used in the proposed DC Fast Chargers over five years will be retired as RECs. A REC agreement from the ABC Utility is attached to this application.

5. Project Feasibility: Provide a description of how you as the applicant have the necessary technical, managerial, procurement, and financial capability and experience to execute on your proposed project.

As the Town of ABC is able to coordinate with ABC Utility to provide its expertise in supplying energy to the stations, as well as leverage its strong financial standing to ensure the project is completed and successful.

6. Use this space for any additional information that you believe will be helpful in evaluating the project. (Optional)

Certification

The undersigned is an official authorized to represent the applicant. The person that submitted this document in the DAQ Grants Management System has the authority to legally bind the applicant or be the designated fiscal agent. The application was electronically signed in the DAQ Grants Management System when submitted by the applicant.

I certify that all proposed activities will be carried out; that all money received will be utilized solely for the purposes for which it is intended; that records documenting the planning process and implementation will be maintained and submitted when requested, and DEQ is hereby granted access to inspect project sites and/or records. It is understood that if this project is selected a contract with DEQ will be executed.

| | |
|--|--------------|
| Print Name of Authorized Representative | Title |
| Tom Thumb | Town Manager |
| Date | |
| 07/09/2020 | |

Required and Optional Attachments

Required application attachments and the original application are available to view in the DAQ Grants Management System.

1. A copy of the host site work-plan.
2. Any nonprofit applicants required to obtain a Charitable Solicitation License from the North Carolina Department of the Secretary of State must provide a copy of the license.
3. Applicants using renewable energy credits must include a signed copy of the agreement with the local utility documenting the percent of renewable energy purchased for each station or other documentation agreed upon with NCDEQ.
4. An itemized budget for the project.
5. Any optional attachments such as any supporting documentation or letters of support, etc.



2022 North Carolina VW Settlement Program

Phase 2 Zero Emission Vehicle Infrastructure Program

DC Fast Charging Stations Application Project Budget

| Budget Item | Project Total | Requested Amount | Matching Funds | Other Funds | Other Funds Description |
|--------------------------------------|---------------------|---------------------|--------------------|--------------------|-------------------------|
| DC09 Other costs | \$3,000.00 | \$3,000.00 | \$0.00 | \$5,000.00 | ABC Utility |
| DC08 Project management | \$5,000.00 | \$0.00 | \$5,000.00 | \$0.00 | |
| DC07 Electrical service upgrades | \$15,000.00 | \$10,000.00 | \$0.00 | \$5,000.00 | ABC Utility |
| DC05 Capital costs | \$25,000.00 | \$0.00 | \$25,000.00 | \$0.00 | |
| DC04 Other EVSE components | \$10,000.00 | \$10,000.00 | \$0.00 | \$0.00 | |
| DC03 Warranty (or maintenance) costs | \$12,000.00 | \$12,000.00 | \$0.00 | \$0.00 | |
| DC02 Engineering and design costs | \$5,000.00 | \$0.00 | \$5,000.00 | \$0.00 | |
| DC01 Charging equipment costs | \$87,000.00 | \$75,000.00 | \$12,000.00 | \$0.00 | |
| Total | \$162,000.00 | \$110,000.00 | \$47,000.00 | \$10,000.00 | |

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Charger Details

| Number | Manufacturer | Model | Number of Ports | Number of Parking Spaces | Charging Capacity (kW) | Warranty (Years) |
|--------|--------------|---------|-----------------|--------------------------|------------------------|------------------|
| 1 | ACME | ACE-123 | 1 | 1 | 150 | 5 |
| 2 | ACME | ACE-123 | 1 | 1 | 150 | 5 |