Volkswagen Settlement Phase 2 DC Fast – Existing Sites Program

April 25, 2022

Dave Willis, Environmental Program Consultant, NC Division of Air Quality

Department of Environmental Quality
What to Expect Today

• Overview of DC Fast Existing Sites program
• When/how to submit your application
• Scoring criteria
• Where to find information after this workshop
• Questions and answers

This is not a public forum for comments on implementation of the VW Settlement
DC Fast – Existing Sites Program

Phase 2 DC Fast Existing Sites Program RFP was Released on April 11, 2022

Applications opened in DAQ Grant Management System (GMS) on April 11, 2022

Applications are due: July 11, 2022, 11:59 PM EST
Subscribe to our VW Email List!

If you are not currently on our mailing list and would like to receive email updates about the Volkswagen Settlement Program, please send an email with the word “Subscribe” in the subject line to daq.NC_VWGrants@ncdenr.gov.
DC Fast – Examples
## Level 2 vs DC Fast

<table>
<thead>
<tr>
<th>Type</th>
<th>Kilo watts hours (kWH)</th>
<th>Miles of Range Per Hour (RPH)</th>
<th>Time to Full Charge</th>
<th>Best use Locations</th>
<th>Connector Images</th>
</tr>
</thead>
</table>
| Level 2    | 3.7 to 14.4 kWh        | 12 to 80 RPH                   | 3 ~ 8 Hours depending on Battery Size | • Home  
• Work  
• Topping off around Town | J1772 Connector            |
| DC Fast    | 50kWH +                | 200+ RPH                       | 80% in 30 minutes   | • Short Stops Less than 1 Hour  
• Express Corridor Locations | CCS, CHAdeMO, Tesla        |
## Phase 2 Zero Emission Vehicle Light-Duty Infrastructure Programs

<table>
<thead>
<tr>
<th>Program</th>
<th>Charger Type</th>
<th>Request for Proposal</th>
<th>RFP Release Date</th>
<th>Available Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZEV Infrastructure</td>
<td>DC Fast</td>
<td>Priority Corridors</td>
<td>February 12, 2022</td>
<td>$4,997,424</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Existing Sites</td>
<td>April 2022</td>
<td>$2,141,753</td>
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<tr>
<td></td>
<td>Level 2</td>
<td>State Agencies</td>
<td>February 28, 2022</td>
<td>$1,009,684</td>
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<tr>
<td></td>
<td></td>
<td>Publicly Accessible</td>
<td>March 21, 2022</td>
<td>$1,070,877</td>
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<tr>
<td></td>
<td></td>
<td>Multi-Unit Dwellings</td>
<td>April 2022</td>
<td>$489,544</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Workplace</td>
<td>April 2022</td>
<td>$489,544</td>
</tr>
<tr>
<td>Total ZEV Infrastructure Funding</td>
<td></td>
<td></td>
<td></td>
<td>$10,198,826</td>
</tr>
</tbody>
</table>
## DC Fast Existing Site Funding Levels

<table>
<thead>
<tr>
<th>Charging Capacity</th>
<th>Existing or Replacement DC Fast (Per Port)</th>
<th>Maximum Number of Ports Funded per Application</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Government-Owned Property</td>
<td>Non-Government-Owned Property</td>
</tr>
<tr>
<td>50kW to 60kW</td>
<td>100%</td>
<td>$45,000</td>
</tr>
<tr>
<td>60kW to 75kW</td>
<td>100%</td>
<td>$57,500</td>
</tr>
<tr>
<td>76kW to 120kW</td>
<td>100%</td>
<td>$75,000</td>
</tr>
<tr>
<td>121kW and over</td>
<td>100%</td>
<td>$110,000</td>
</tr>
</tbody>
</table>
Eligible applicants include:

- Government organizations
- Non-government organizations

Specific details on eligible applicants can be found in the RFP.
DC Fast Existing Site Program

This RFP is for funding the Replacement or Expansion of Existing DC Fast charging sites. At sites that have or have had 50kW chargers or greater.
This RFP is for funding the Replacement or Expansion of Existing DC Fast charging sites. At sites that have or have had 50kW chargers or greater.

• What if my proposed location does NOT have a 50kW charger?
  • Apply under the DC Fast Priority Corridor Program!
    • Program ID: NCDEQDAQ0011
Before beginning the application, please make sure you have the following information available.

The application checklist can be found [here](#).

### Access to GMS.

DO NOT Wait to the Last WEEK.

### General Application Requirements (All applications)

- GMS Access (During the User Creating you are linked to a Business Entity)
- NCID
- Project Information

### Zero Emission Vehicle Infrastructure Charging Program

(See Application for more Details)

- GPS coordinates of Charging Station Location and Street Address
- Charging Equipment Information (# of ports, spaces, model, manuf., etc.)
- Materials/Services/Labor estimated costs
- Site Host Letter of Commitment (if necessary) (for Upload)
- Utility Assessment of Site (for Upload)
- Local map to show amenities (for Upload)
- Plans to show exact charging station and parking space location (for Upload)
- Any other additional documentation to support application (Including use surveys, etc.)
Register for a NCID

• Setting up an NCID: https://ncid.nc.gov.

• Instructions are found here: How-to-Create-a-NC-ID.pdf

• Your NCID username and password are your credentials for the GMS System.
Requesting Access to the DAQ Grant Management System (GMS)

- After getting your NCID
- Completed the North Carolina Substitute W-9 Form for your agency and email it to svc.NCVWApplication@ncdenr.gov.
- Finally Submit the DAQ Access Authorization WEB Form

Each organization is allowed up to 3 authorized users.

Once the authorization is processed, you will receive an email from NCDOT IT SAP Support Services.
DAQ Grant Management System (GMS)

• DAQ Grant Management System (GMS) can be accessed at:
  https://www.ebs.nc.gov/irj/portal

• GMS Instructions can be found at:
  https://deq.nc.gov/about/divisions/air-quality/motor-vehicles-and-air-quality/volkswagen-settlement/grants-management

• Downloadable GMS Manual
DAQ Training Library
DC Fast Existing Site Program
*The Program ID for the DC Fast Existing Site Program is NCDEQDAQ0011.
*The program description field will be available on Thursday May 5, 2022, for external users.
DC Fast Existing Site Program

Auto filled from your user account

Check **Save & Close** on each page as you proceed.
If the contacts are all the same use the copy function.
DC Fast Existing Site Program

Enter the charger information. If you are applying for multiple chargers this will automatically add new lines.
DC Fast Existing Site Program

Click **Check** and then **Save**.
DC Fast Existing Site Program

<table>
<thead>
<tr>
<th>Project</th>
<th>Contact</th>
<th>Charger Details</th>
<th>Budget</th>
<th>Project Details</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Please provide a detailed description of the proposed project. Describe procurement, installation, activation/commissioning, testing, and signage. Describe collaborations with interested utilities, local business, cities, counties or other entities. Describe a sustainable business model for this project. Describe customer support service accessibility. Describe networking and networking security for both payment and data capture.</td>
<td>6 out of 3000</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Explain how this request fits into North Carolina's Beneficiary Mitigation Plan.</td>
<td>6 out of 1316</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. What is the likelihood that the project will incentivize future indirect NOx and other emission reductions?</td>
<td>6 out of 1402</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Renewable Energy Certification: Please provide detailed plans for any use of any renewable energy certificates for powering the charging stations and how the energy will be provided. Include a signed copy of the agreement.</td>
<td>6 out of 731</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td>6 out of 731</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Use this space for any additional information that you believe will be helpful in evaluating the project. (Optional)</td>
<td>6 out of 731</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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DC Fast – Project Details

1. Please provide a detailed description of the proposed project.
2. Explain how this request fits into North Carolina’s Beneficiary Mitigation Plan.
3. What is the likelihood that the project will incentivize future indirect NOx and other emission reductions?
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.
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.
DC Fast Existing Site Program

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- By checking this box, 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.

**Authorized Representative**

Name: 
Title: 
Date: 

[Previous] [Close] [Save & Close] [Submit]

[DEQ Logo]
DC Fast Existing Site Program

Confirmation

Your Application has been **Saved** successfully. - **Application ID**: 1000010853

Your application is not complete until all required documents have been submitted.

To download the Required Attachments Checklist, please click link: [Link to Checklist]

Click browse to select file (100 MB maximum) [Choose File] No file chosen [Attach]
Editing an Existing Application
# Editing an Existing Application

<table>
<thead>
<tr>
<th>Partner Name</th>
<th>Grantee ID</th>
<th>Application ID</th>
<th>Description</th>
<th>Program ID</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>1000010853</td>
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**Maximum Number of Results:** 100

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<thead>
<tr>
<th>Pre-Agreement Request ID</th>
<th>Description</th>
<th>Created By</th>
<th>Status</th>
<th>Created On</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000010853</td>
<td>New Electric Bus</td>
<td>BCPHILLIPS</td>
<td>In Process by Applicant</td>
<td>02/02/2022 10:38:42</td>
</tr>
</tbody>
</table>

[DEQ Logo]
Submitting Your Application

<table>
<thead>
<tr>
<th>Project</th>
<th>Contact</th>
<th>Budget</th>
<th>Project Details</th>
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By checking this box, 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.

**Authorized Representative**

| Name: John Doe | Title: Director | Date: |

[Previous] [Check] [Save & Close] [Submit]
Submitted Application and Uploading Attachments

Confirmation

Your Application has been **Submitted** successfully. - **Application ID** - 1000010853

Your application is not complete until all required documents have been submitted.

To download the Required Attachments Checklist, please click link: [Link to Checklist]

Click browse to select file (100 MB maximum)  Choose File  No file chosen  Attach
Finding an Application in GMS

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**Maximum Number of Results:** 100
Tips and Things to Know

• DO NOT WAIT TO THE LAST WEEK TO REQUEST GMS ACCESS OR APPLY!!!!!!!!!!
• Budget information should be as accurate as possible
• DEQ reserves the right to partially fund awarded projects
• Essays will be used to assist in evaluating projects that score similarly to determine awardees
• We will not accept paper, scanned, emailed, or faxed applications. We will not accept applications after the due date.
• Do not sign any agreements with vendors or start work until your contract is fully executed
• APPLICATION AWARD IS NOT A FULLY EXECUTED CONTRACT
Subscribe to our VW Email List!

If you are not currently on our mailing list and would like to receive email updates about the Volkswagen Settlement Program, please send an email with the word “Subscribe” in the subject line to daq.NC_VWGrants@ncdenr.gov.
This is a Competitive reimbursement program.
DC Fast Existing Site Application Scoring
Lifetime Cost Effectiveness: VW$ funded per kW charging rate * number of charging ports (20 points)

Cost Effectiveness (CE) (VW$ funded per kW charging rate * number of charging ports):

$$CE = \frac{VW\$}{\text{Maximum Available (kW} \times \text{Ports)}}$$

CE is based on applicant provided budgets. Projects are ranked best to least CE. The most CW will get 20 points the least 0.
Distance to other DC Fast Charging Stations
(20 points)

Distance to other DC fast charging sites: How many miles to existing DC fast charging sites (not including dealerships or Tesla Supercharger locations) along interstate to project area?

• Over 100 miles: 20 points
• 99 to 51 miles: 15 points
• 50 to 26 miles: 10 points
• Less than 25 miles: 5 points
Distance Off Interchange (15 points)

Distance off interchange: Ranked highest to lowest; based on proposed site location from interchange.

- Less than 2 miles: 15 points
- 2 to 3 miles: 10 points
- Over 3 miles but less than 5 miles: 5 points
- Over 5 miles: 0 points
Environmental Justice (15 points)

To determine environmental justice (EJ) scores for the purpose of ranking and rating vehicles and projects, the following analysis was done at the block group level using the 2019 American Community Survey (ACS) five-year estimates. The ACS is a demographic survey conducted each year by the U.S. Census Bureau to collect detailed demographic information. For this analysis, aggregated five-year data from the 2017 and 2019 surveys was used to increase reliability.

The Environmental Protection Agency defines environmental justice (EJ) as “the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.” (US EPA). Historically, people of color and people of low-income, along with other vulnerable populations, have been disproportionately exposed to harmful pollutants.

See Table B-1 of the RFP.
Traffic Density of Location (15 points)

Traffic Density of location: Annual Average Daily Traffic (AADT) of the proposed project area. (See AADT map in Appendix C).

- 90,001 to 195,000: 15 points
- 42,001 to 90,000: 10 points
- 1,600 to 42,000: 5 points
Accessibility and Proximity to Amenities (15 points)

Accessibility and proximity to amenities: Distance to amenities such as restrooms, food, local restaurants, and retail shopping.

- Onsite: 15 points
- Less than ¼ mile from amenities: 10 points
- ¼ mile or more from amenities: 5 points
Renewable Energy Certificates (10 points)

Renewable Energy Certificates: Percentage of electricity to power the DC fast charging station for five-years.

- 100%: 10 points
- 50% to 99%: 7.5 points
- 26% to 50%: 5 points
- 1% to 25%: 2.5 points
Bonus Points: Historically Under-Resourced County Outreach Program (10 points)

The Historically Under-Resourced Counties Outreach Program includes counties that have an underserved population greater than 15% and are designated as Tier 1 by the NC Department of Commerce.

For projects located in one of these counties, a bonus of 10 points will be awarded.
## DC Fast – Existing Site Project Scoring Criteria

<table>
<thead>
<tr>
<th>Category</th>
<th>Maximum Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cost Effectiveness</td>
<td>20</td>
</tr>
<tr>
<td>Distance to Other DC Fast Charging Sites</td>
<td>20</td>
</tr>
<tr>
<td>Distance Off Interchange</td>
<td>15</td>
</tr>
<tr>
<td>Environmental Justice</td>
<td>15</td>
</tr>
<tr>
<td>Traffic Density of Location</td>
<td>15</td>
</tr>
<tr>
<td>Accessibility and Proximity to Amenities:</td>
<td>15</td>
</tr>
<tr>
<td>Bonus: Renewable Energy Certificate:</td>
<td>10</td>
</tr>
<tr>
<td>Bonus: Historically Under-Resourced County</td>
<td>10</td>
</tr>
<tr>
<td><strong>Total Points Possible</strong></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>
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<tbody>
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<td>20</td>
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<tr>
<td>Distance to Other DC Fast Charging Sites</td>
<td>20</td>
</tr>
<tr>
<td>Distance Off Interchange</td>
<td>45</td>
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<tr>
<td>Environmental Justice</td>
<td>45</td>
</tr>
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<td>45</td>
</tr>
<tr>
<td>Accessibility and Proximity to Amenities:</td>
<td>45</td>
</tr>
<tr>
<td>Bonus: Renewable Energy Certificate:</td>
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</tr>
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<td>10</td>
</tr>
<tr>
<td><strong>Total Points Possible</strong></td>
<td><strong>120</strong></td>
</tr>
</tbody>
</table>
DC Fast – Existing Site Applications

• Due date for application and all supporting materials:

July 11, 2022, by 11:59 PM EST

• Please submit all applications and supporting documentation in the DAQ Grant Management System:

  https://www.ebs.nc.gov/irj/portal

• We will not accept paper, scanned, emailed, or faxed applications. We will not accept applications after the due date.
DC Fast – Existing Site RFP Timeline

- Release of RFP: April 11, 2022
- Applications open in GMS: April 11, 2022
- Proposal applications due date: July 11, 2022
- Proposal application evaluations: July - September 2022
- Phase 2 project selections: October 2022
- Grant awards announced: October 2022
DC Fast Existing Site Program Contacts

Dave Willis, Environmental Program Consultant, DC Fast Program Manager
Phone: 919-733-1482
Email: dave.willis@ncdenr.gov

Brian Phillips, Mobile Sources Compliance Branch Supervisor
Phone: 919-707-8426
Email: brian.phillips@ncdenr.gov

Robin Barrows, Allied Programs Supervisor – VW Outreach
Phone: 919-707-8445
Email: robin.barrows@ncdenr.gov
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If you are not currently on our mailing list and would like to receive email updates about the Volkswagen Settlement Program, please send an email with the word “Subscribe” in the subject line to daq.NC_VWGrants@ncdenr.gov.
Where to get more information after today?

DC Fast Existing Sites Program RFP
https://deq.nc.gov/VWsettlement-DCEXisting-RFP

E-mail questions to: daq.NC_VWGrants@ncdenr.gov