

**2022 North Carolina VW Settlement Program**  
*Phase 2 Clean Heavy-Duty Equipment and Vehicle Program Application*

Please note applications are not considered confidential business information. All rebate applications and associated documentation are public record per North Carolina General Statutes §132-1, except for “confidential” or “trade secret” data as defined and classified in North Carolina General Statutes §66-152(3) and must be indicated as such by the applicant at the time of the initial rebate application submittal.

**Applicant Contact Information**

Project Title		
Replacement of Diesel Refuse Truck		
Organization Name		
Town of ABC Collection Services		
Organization Mailing Address		
123 Main Street		
City	State	Zip Code
ABC Town	NC	27699
Authorized Representative Name		
Tom Thumb		
Authorized Representative E-mail Address		Authorized Representative Phone Number
tthumb@gmail.com		(919) 707-8600
Project Manager Name (primary contact)		
Leroy Brown		
Project Manager E-mail Address		Project Manager Phone Number
lbrown@gmail.com		(919) 707-8600
Financial Contact Name		
Richard Rich		
Financial Contact E-mail Address		Financial Contact Phone Number
rrich@gmail.com		(919) 707-8600

**Project Details**

Program Type	Eligible Applicant Type
Onroad Vehicle Replacement (EMA 1a, 6 & 8)	Government
Vehicle/Equipment Type	Project Type
Class 8 Local Freight Trucks (On-road) (EMA-1a)	Vehicle Replacement



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

Street Address		
123 Main Street		
City	County	Zip Code
ABC Town	--	27699

**Project Budget**

Budget Item	Project Total	Requested Funds	Matching Funds (Your Org)	Other Funding	Other Funding (Specify)
New equipment/vehicle/engine	\$ 120,000.00	\$ 100,000.00	\$ 14,000.00	\$ 10,000.00	Town of ABC Grant
Infrastructure costs (only for all-electric vehicle replacement or repower)*	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
Other	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	
<b>Total Project Budget</b>	\$ 120,000.00	\$ 100,000.00	\$ 14,000.00	\$ 10,000.00	

\*Please include as an attachment, the itemized costs for any requested charging infrastructure costs associated with an all-electric replacement or repower project. One charger allowed per vehicle replacement or repower.



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**Project Details** (Questions 1-5 are required. The applications with "see attached" in lieu of complete applications will NOT be considered. Optional attachments should use the naming structure detailed in the Required Attachments section.)

1. Please provide a detailed description of the proposed project.

ABC Town Collection Services would like to use VW Mitigation funds to purchase a new solid waste roll off truck to service the downtown Town of ABC area. The new truck, a 2019 compressed natural gas model, will replace a 2006 model with approximately 350,000 miles on it. The truck that will be replaced operates daily with a duty cycle of approximately 8 hours a day and covers much of the downtown Town of ABC residential area. The new truck will decrease emissions substantially compared the older model. ABC County is designated as a maintenance area for ozone, and the reduced emissions from this project would contribute substantially to cleaner air and health benefits for the people.



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

ABC County had 688 registered subject Volkswagens, representing a large proportion of the vehicles that would have contributed to excess NOx emissions in the state of North Carolina. The truck that we would like to replace fits the criteria as defined under the mitigation plan and the consent decree. It is a class 8 local freight truck (travels less than 200 miles a day, over 70% of which is in NC) manufactured between 1992-2009. The truck to be replaced also has at least 6 years of useful life, and we plan on scrapping it to get the most mitigation of NOx as defined under the consent decree. The new truck will have an estimated lifetime NOx emissions reductions 1.22 tons. Additionally, because we are a government organization, we are eligible for 100% of the cost of replacement, but because of stakeholder commitments from our community, we are able to cost-share up to 20%, making our project more competitive when calculating cost per ton of NOx mitigated. Our truck also operates in area that has scored high for environmental justice with a possible 7 out of 10 points.

3. What is the likelihood that the project will incentivize future indirect NOx and other emission reductions? That is, will this be the beginning or continuation of a transition of the fleet to an alternative fuel or electricity? If so, please provide details.

This is the beginning of the replacement of all of our refuse vehicles that serve the Town of ABC. We have a partnership with other departments in the town to cost-share the necessary compressed natural gas infrastructure, which will be capable of supporting a large number of municipal fleet vehicles, as well as our own. Because we are constructing the necessary alternative fuel infrastructure, it will allow us to continue to add these alternative vehicles to our fleet at a lower cost than if we did not have the fueling infrastructure. We hope to have both the alternative fuel vehicle infrastructure as well as the new vehicle by spring of 2020. Then, we hope to apply for phase 2 funding, as well as the DERA cycle to support our continued growth towards a new low emission refuse fleet to serve the metropolitan area.



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4. Are there any societal co-benefits of the project? Are there any “sensitive” populations including, but not limited to asthmatics, children, or the elderly that are likely to be directly benefited by the project?

Using the selection criteria posted on the application instructions, we have determined that because we operate primarily in ABC County, with routes in downtown Town of ABC area, which has 17.4% of the population at or under the poverty level, this project will score high on environmental justice as noted above. Additionally, refuse trucks often operate during times when school children are waiting for school buses, therefore ensuring the quality of the air produced by our fleet during these times is also priority.

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.

I have been a fleet operator/manager for over 20 years. I helped develop and implement a pilot project for procuring and executing a compressed natural gas fleet transit replacement program while I worked as a consultant for the Town of ABC's transit program.

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

*Examples of possible additional information include:*

- *If you've received any prior funding for alternative fueled vehicles/grant programs or whether you have applied for additional funding for this project, from what sources, and for how much.*
- *More info about any partnerships*
- *Extra information about the business/history*
- *This is really the place where you can tell us something that may set you apart from a typical application.*



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## Phase 2 Clean Heavy-Duty Equipment and Vehicle Program Application

### 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. I further attest that at least 70% of the equipment's operation will occur in North Carolina for the next 5 years.*

Print Name of Authorized Representative	Title
Tom Thumb	Fleet Manager
Date	
07/26/2019	

### Required and Optional Attachments

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

1. A completed the DAQ application vehicle worksheet.
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.