

Volkswagen Settlement Phase 2 School Bus Program

March 25, 2022

Sheila Blanchard, Environmental Program Consultant, NC Division of Air Quality



What to Expect Today

- Overview of school bus 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



2022 School Bus Program

Phase 2 School Bus RFP was released on March 7, 2022

Applications opened in DAQ Grant Management System (GMS) on March 7, 2022

Applications due: June 6, 2022, 11:59 PM EST



2022 School Bus Program

This is a reimbursement program.



School Bus Program Timeline

- Release of RFP
- Application opens in NCDAQ GMS
- Application due date
- Application evaluations
- Phase 2 project selections
- Grant awards announced

March 7, 2022

March 7, 2022

June 6, 2022

June - July 2022

- July August 2022
- July August 2022



School Bus Funding Levels

There is \$27.1 million Available for Phase 2

Organization	Eligible Engine Model Years	Diesel	Alternative Fuel	All-Electric*
Government	2009 or older	100%	100%	100%
Non-Government		25%	25%	75%

Approximately 50% of funds will be prioritized for electrification projects Electric school bus projects can include costs for associated infrastructure.



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.

School Bus Eligible Projects

- Projects submitted by local, state, and tribal government organizations.
- Projects submitted by public or private nonprofit organizations.
- Projects submitted by public-private partnerships where the lead applicant represents a public sector or public/private nonprofit entity.



2022 School Bus Program – Eligible Vehicles









School Bus Eligible Projects

- Eligible school buses transport students to and from school and school-related events. This includes activity buses.
- Most replacement buses for daily transportation will be on a NC Department of Public Instruction submitted project, contact Kevin Harrison for more details.
- For replacement of activity buses, please submit applications as the local school district.



School Bus Eligible Projects

- Eligible buses include 2009 engine model year and older class 4-8 school buses.
- May be replaced with a new diesel or alternative fueled or all-electric bus (Must be with the engine model year in which the award occurs or one engine model year prior).
- Eligible buses must be scrapped.



Scrappage Requirements

- "Scrapped" shall mean to render inoperable and available for recycle, and, at a minimum, to specifically cut a 3-inch hole in the engine block for all engines.
- If any eligible vehicle will be replaced as part of an eligible project, scrapped shall also include the disabling of the chassis by cutting the vehicle's frame rails completely in half.



School Bus Funding Levels

For Government-Owned Eligible Buses: Replacement

- Up to 100% of the cost of a new diesel or alternative fueled (e.g., CNG, propane, hybrid) school bus.
- Up to 100% of the cost of a new all-electric school bus, including costs of installation and charging infrastructure associated with the new all-electric school bus.



School Bus Funding Levels

• For Non-Government-Owned Eligible Buses: Replacement

- Up to 25% of the cost of a new diesel or alternative fueled (e.g., CNG, propane, hybrid) school bus.
- Up to 75% of the cost of a new all-electric school bus, including costs of installation of charging infrastructure associated with the new all-electric school bus.



You must read and follow all the directions on the next slides to request access to the DAQ Grants Management System and then be approved before you can log into the system!

Approved means you received a "Welcome to the DAQ Enterprise Business System Portal" email.



• Setting up an NCID:

https://ncid.nc.gov.

- Instructions are found here: <u>How-to-Create-a-NC-ID.pdf</u>
- Your NCID username and password are your credentials for the GMS System.





- After getting your NCID
- Submit the <u>Enterprise Business Services</u> <u>External Request Application</u>
- Complete the North Carolina Substitute <u>W-9</u> Form for your agency and email it to <u>svc.NCVWApplication@ncdenr.gov</u>.

Each organization is allowed up to 3 authorized users.

Once the authorization is processed, you will receive a" Welcome" email from NCDOT IT SAP Support Services.

er ID Information
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 Once you have received the "Welcome to the DAQ Enterprise Business System Portal" email, the DAQ Grant Management System (GMS) can be accessed at:

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

- GMS Instructions can be found at: <u>https://deq.nc.gov/about/divisions/air-</u> <u>quality/motor-vehicles-and-air-</u> <u>quality/volkswagen-</u> <u>settlement/grants-management</u>
- Downloadable GMS External User Manual



Enterprise Business Services

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DAQ Training Library

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- A completed application must include:
 - Submitted School Bus Application Form in DAQ GMS
 - Diesel Bus & Vehicle Excel[®] Spreadsheet
 - Quote for the vehicle being purchased if not on state contract
 - All-electric replacement vehicles requesting funding for charging infrastructure must also include an itemized charger budget (One charger allowed for each vehicle replacement requested)
 - Nonprofits only: Copy of Charitable Solicitation License from the North Carolina Department of the Secretary of State
 - Optional: Supporting Documentation
- Due date for completed school bus application and all supporting materials:

June 6, 2022, by 11:59 PM EST

• Please submit questions to:

daq.NC_VWGrants@ncdenr.gov

Subject line should be "School Bus Program Question"



2022 School Bus Program

- Before beginning the application, please make sure you have the following information available.
- The application checklist can be found here: <u>Checklist</u>

General Application Requirements:

- NCID/W9/Access the DAQ GMS
- Applicant/All Project Affiliates/Organization Contact Information
- Project Information
- Organization Federal Tax ID

Vehicle Information:

Replaced vehicle/engine information

• Model, year, make, mileage, etc.

Replacement vehicle/engine information

Model, year, make, quote if applicable, replacement cost

Infrastructure information and cost estimates (if applicable)

Any other additional documentation to support application



Inputs: Old vehicle to be REPLACED

Fleet Information	Unit 1
What is the vehicle's intended use?	
If selected other please describe	
County of Primary use	
Vehicle License Plate Number	
Vehicle Make	
Vehicle Model	
Vehicle Model Year	
Vehicle Identification Number (VIN)	
Engine Make	
Engine Model	
Engine Model Year	
Engine Horsepower	
Engine Serial Number	
Class of Equipment by GVWR	
Fuel Type	Diesel
Annual Fuel Used	
Idling Hours	
Annual Vehicle Mileage	
Vehicle Odometer Reading	
Total Engine Mileage	
Remaining Vehicle Life	
Normal Attrition Year	

Inputs: New replacement vehicle

Fleet Information	Unit 1
New Vehicle Make	
New Vehicle Model	
New Vehicle Model Year	
Engine Make	
Engine Model	
Engine Model Year	
Engine Horsepower/Capacity	
Class of Equipment by GVWR	
Fuel Type	
Unit Replacement/Repower Cost	
Funds Requested	
EV Infrastructure Costs Requested	
Annual Diesel Reduced	
New Fuel Usage Amount	
Cost Share Amount Per Unit	Department of Environmental Quality

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NCDEQDAQ0006		Phase 2 Transit and Shuttle Bus Program	DAQ Grant Application - Diesel
NCDEQDAQ0007		Phase 2 DCFast Priority Corridor Program	DAQ Grant Application - Fast Charge
NCDEQDAQ0008		Phase 2 School Bus Program 🔫	 DAQ Grant Application - Diesel
NCDEQDAQ0009		Phase 2 Level 2 Public Access Program	DAQ Grant Application - Level 2 Charge

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Project Contact Budget Project Details Certification							
Organization							
Organization Name Departme	nt of Public Instruction	Tax Identification Number (TIN)					
Project Title North Car	olina Clean School Bus	_					
Project Details							
Program Type	School Bus Replacement (EMA-2a)	Eligible Applicant Type	Government 🗸				
	ass 4-8 School Bus Replacement (EMA-2a) 🔹 🗸	Project Type	Vehicle Replacement - Diesel or Alternative Fuel				
Number of Vehicles	113						
Project Location							
Street Address	6319 Mail Service Center						
City	Raleigh						
County	WAKE 🗸						
Zip Code	27699						
Latitude (°N): (decimal degrees) 35.789846							
Longitude (-°W): (decimal degrees)	-78.650624						
			Check Save & Close Next ⇒⇒				

Proje	ct Contact	t Budget	Project Details	Certification
Authori	zed Represer	itative		
First Name	John			
Last Name	Doe			
E-mail	johndoe@car	y.test.gov		
Phone Number	(919) 999	-9999		
Project	Manager			
Copy f	rom Authorize	d Representa	tive	
First Name	Jane			
Last Name	Doe			
E-mail	janedoe@car	y.test.gov		
Phone Number	(919) 999	-9999		
Financi	al Contact			
Copy f	rom Authorize	d Representa	tive	
First Name	John			
Last Name	Doe			
	johndoe@car	y.test.gov		
Phone Number	(919) 999	-9999		
⇐⇐	Previous			

Project Contact Budget Project Details Certification						
Budget Item	Project Total	Requested Funds	Matching Funds (Your Org)	Other Funding	Other Funding (Specify)	
D001 New equipment/vehicle/engine	\$750,000	\$650,000	\$1 00,000			
D002 Infrastructure costs	\$75,000	\$50,000		\$25,000	federal infrastructure grant	
D003 Other	\$75,000	\$25,000	\$50,000			
Total Project Budget	\$900,000	\$725,000	\$150,000	\$25,000		
(Link to Vehicle Spreadsheet)						
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Project	Contact	Budget	Project Details	Certification	
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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 14 out of 1562 continuation of a transition of the fleet to an alternative fuel or electricity? If so, please provide details.

test test test

4. Are there any societal co-benefits of the project? Are there any "sensitive" populations including, but not limited to asthmatics, children, or 14 out of 791 the elderly that are likely to be directly benefited by the project?

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5. Project Feasibility: Provide a description of how you as the applicant have the necessary technical, managerial, procurement, and financial 14 out of 791 capability and experience to execute on your proposed project.

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

14 out of 791

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Project Contact Budget Project Details Certification

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:			
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Attach



Editing an Existing Application

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Description	•	is	•	0 0
Program ID	•	is	•	0 0

Maximum Number of Results: 100

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Submitting an Application

Project	Contact	Budget	Project Details	Certification				
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Submitted Application and Attachments




How to View an Application

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Finding an Application in GMS

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Adding Attachments to a Submitted Application

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Project Contact Budget Project De	tails Certifica	ition						
Organization								
Organization Nam	Town of Car	y DAQ test		Tax Identification Number (TIN)	56-6001196			
Project Tit	le New Electric	Bus						
Project Details								
Program Typ	e	Transit Bus Replacement (EMA-2b)	~	Eligible Applicant Type		Government		~
Vehicle/Equipment Typ		Class 4-8 Transit Bus Replacement (EMA-2b)	\sim	Project Type	Ve	hicle Replacement -All Electr	ic	~
Number of Vehicle	es	1						
Project Location								
	Street Address	123 Main Street						
	City	Cary						
	County Zip Code	WAKE ~						
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Tips and Things to Know

- Engine model year of the old diesel school bus must be 2009 or earlier
- Increases in fleet size are not allowed
- Replacement vehicle must be "like for like" with the original school bus
- Budget information should be as accurate as possible
- Partial funding will be used as appropriate in awarding projects
- Essays will be used to assist in evaluating projects that score similarly to determine awardees
- Applications must be submitted via the NCDAQ Grants Management System. Applications will not be accepted after 11:59PM EDT on June 6, 2022.
- Do not sign any agreements with vendors or start work until your contract is fully executed

APPLICATION AWARD IS NOT A FULLY EXECUTED CONTRACT



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School Bus Application Scoring





Department of Environmental Quality

Project Selection Criteria

The NCDEQ will consider factors such as, but not limited to:

- Lifetime Cost Effectiveness (VW\$ funded per Lifetime NOx tons reduced)
- Lifetime NOx Emissions Reductions
- Location of project
- Environmental Justice areas
- Vehicle Electrification
- Historically Under-Resourced County Bonus



Project Scoring Criteria

Lifetime Cost Effectiveness	30
Lifetime NOx Emissions Reductions	30
Location of Project	15
Environmental Justice	15
Vehicle Electrification Project	10
Bonus: Historically Under-Resourced County	10
Total Points Possible	110



NC Rural Center County Classifications



6 counties with an average population density that exceeds 750 people per square mile.

Lifetime Cost Effectiveness: VW\$ funded per Lifetime NOx tons reduced (30 points)

Lifetime Vehicle Cost effectiveness is based on applicant provided information using the USEPA **Diesel Emission Quantifier and if applicable, matching** funds. Under this criterion, projects are ranked, and points calculated from a maximum of 30 points for most cost effective to least cost effective (i.e. \$/amount of Lifetime NOx reduced). Urban/Suburban projects and Rural Projects will be ranked separately.



Lifetime NOx Emissions Reductions (30 points)

Ranked highest to lowest: Lifetime NOx emission reduction calculation based on applicant-provided information using the USEPA Diesel Emission Quantifier tool. Under this criterion, projects are ranked, and points calculated from a maximum of 30 points for highest emissions reductions to lowest emissions reductions. Urban/Suburban projects and rural projects will be ranked separately.



Location of Project (15 points)

Location scores have been determined for each county using NOx scores and VW concentration scores.

- To determine the NOx scores, 2017 Mobile NOx estimates from the National Emissions Inventory (NEI) were imported and then ranked from highest to lowest. Using natural breaks, 5 bins were created for NOx concentration levels and points were assigned accordingly.
- To determine VW concentration scores, registered VWs from each county at the time of the consent decree were assessed for each county and ranked. Using natural breaks, 10 bins were created for VW concentration and points were assigned accordingly.
- The points for "NOx" and "VW concentration" were then added to get a composite score for each county for a total of 15 possible points. See Table B-1 of the <u>RFP</u>.



Environmental Justice (15 points)

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.

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.

See Table B-1 of the <u>RFP</u>.



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.



Historically Under-Resourced County Outreach Program Map



DAQ Project Eligibility Tool

We've developed a tool to help determine if your project is eligible for funding.

DAQ Eligibility Tool



2022 School Bus Applications

• Due date for application and all supporting materials:

June 6, 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.



Where to get more information after today?

School Bus Program
NC VW School Bus RFP

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



Additional Resources

- Additional resource contact information is available on our webpage for:
 - Centralina Clean Cities Coalition
 - Forsyth County Office of Environmental Assistance & Protection
 - Land of Sky Regional Council
 - Mecklenburg County Air Quality Agency
 - NCSU Clean Energy Technology Center
 - Piedmont Triad Regional Council
 - Plug-in NC
 - Sustainable Sandhills
 - Triangle J Council of Governments (TJ COG)
 - Western NC Regional Air Quality Agency



VW School Bus Program Contacts

Sheila Blanchard, Environmental Program Consultant, School Bus Program Manager Phone: 919-707-8423 Email: <u>Sheila.blanchard@ncdenr.gov</u>

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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