

Volkswagen Settlement Phase 2 Transit and Shuttle Bus Program
February 17, 2022

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Department of Environmental Quality



Links in this presentation are only active when used in presentation mode.



What to Expect Today

- Overview of transit and shuttle 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 Transit and Shuttle Bus Program

Phase 2 Transit and Shuttle Bus RFP was released on February 1, 2022

Applications opened in DAQ Grant Management System (GMS) on February 1, 2022

Applications due: May 2, 2022, 11:59 PM EST



2022 Transit and Shuttle Bus Program

This is a reimbursement program.

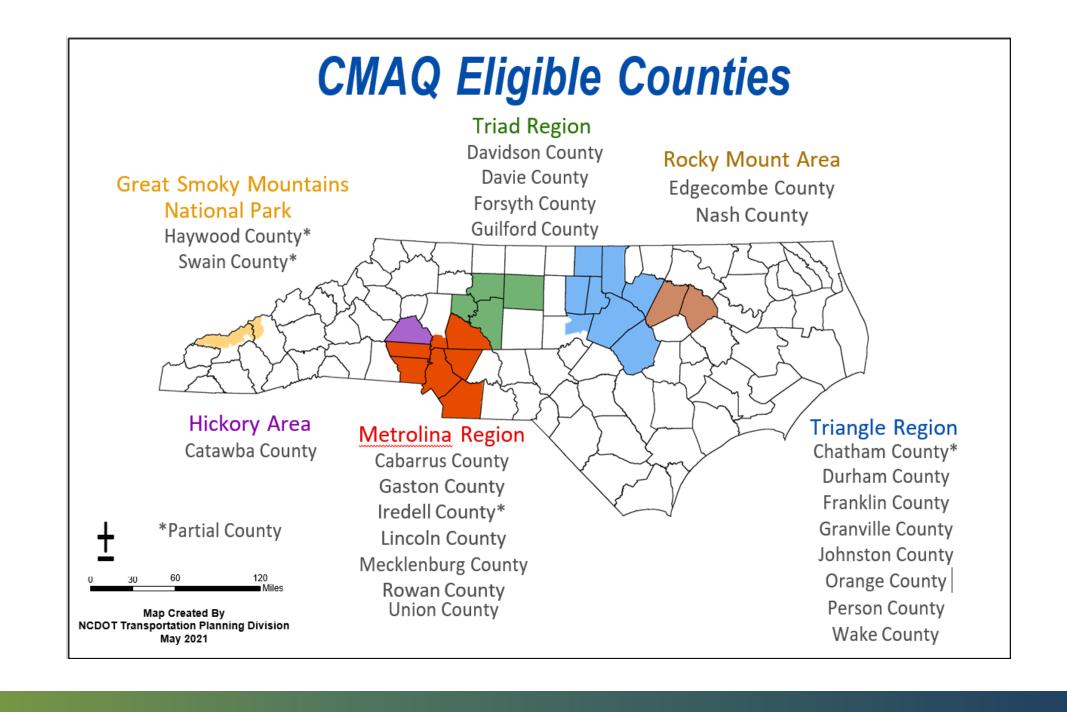


VW Phase 2 Transit and Shuttle Bus Program Funding Amount

NC Grant Programs (2022-2024)	Subprogram	Eligible Action Category	Eligible Fuels	2022-2024 Funding (Phase 2)
Diesel Bus & Vehicle Replacement Program	Transit and Shuttle Bus Program	Class 4-8 Transit and Shuttle buses	All (electric, diesel, propane, natural gas) Priority will be given to electric vehicle replacements	\$13,598,433

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.



2022 Transit and Shuttle Bus – Eligible Vehicles











Transit and Shuttle 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.





Transit and Shuttle Bus Eligible Projects

- Eligible buses include 2009 engine model year and older class 4-8 transit buses and shuttle 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.





Transit and Shuttle 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) transit bus or shuttle bus.
- Up to 100% of the cost of a new all-electric transit bus or shuttle bus, including costs of installation and up to \$75,000 for charging infrastructure associated with the new all-electric transit bus or shuttle bus.





Transit and Shuttle 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) transit bus or shuttle bus.
- Up to 75% of the cost of a new all-electric transit bus or shuttle bus, including costs of installation and up to \$75,000 charging infrastructure associated with the new all-electric transit bus or shuttle 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.



- BEFORE YOU BEGIN any application, you will need a NCID, a completed W-9, and approved access to DAQ Grant Management System (GMS) to complete the application.
- Setting up an NCID:

https://ncid.nc.gov.

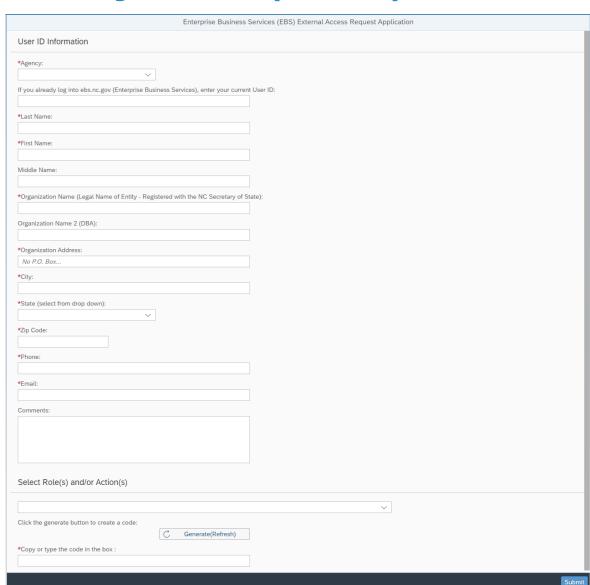
 Instructions are found here: How-to-Create-a-NC-ID.pdf



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

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.

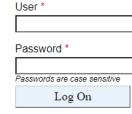


 DAQ Grant Management System (GMS) can be accessed at:

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

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



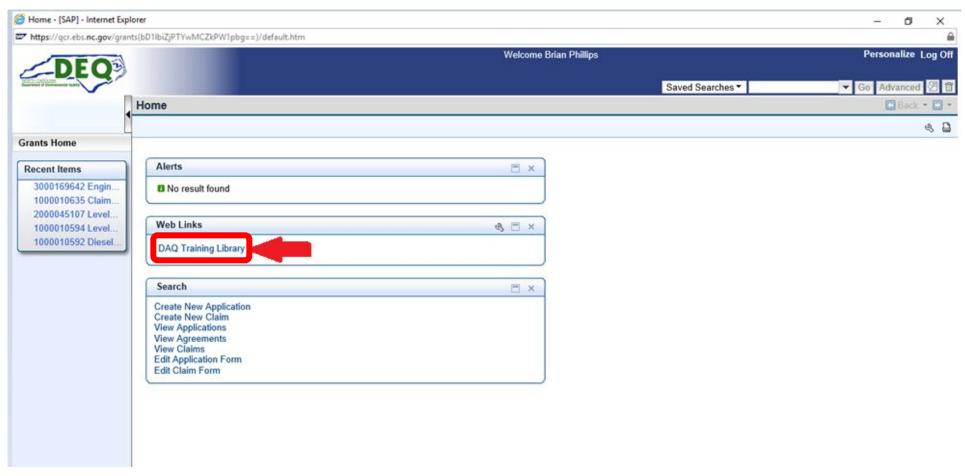


Login Help * Browser Support

 Downloadable GMS External User Manual



DAQ Training Library





- A completed application must include:
 - Submitted Transit & Shuttle Bus Application Form in DAQ GMS
 - Diesel Bus & Vehicle Excel[®] Spreadsheet
 - Quote for the vehicle being purchased
 - 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 transit and shuttle bus application and all supporting materials:

May 2, 2022, by 11:59 PM EST

Please submit questions to:

daq.NC_VWGrants@ncdenr.gov

Subject line should be "Transit Program Question"

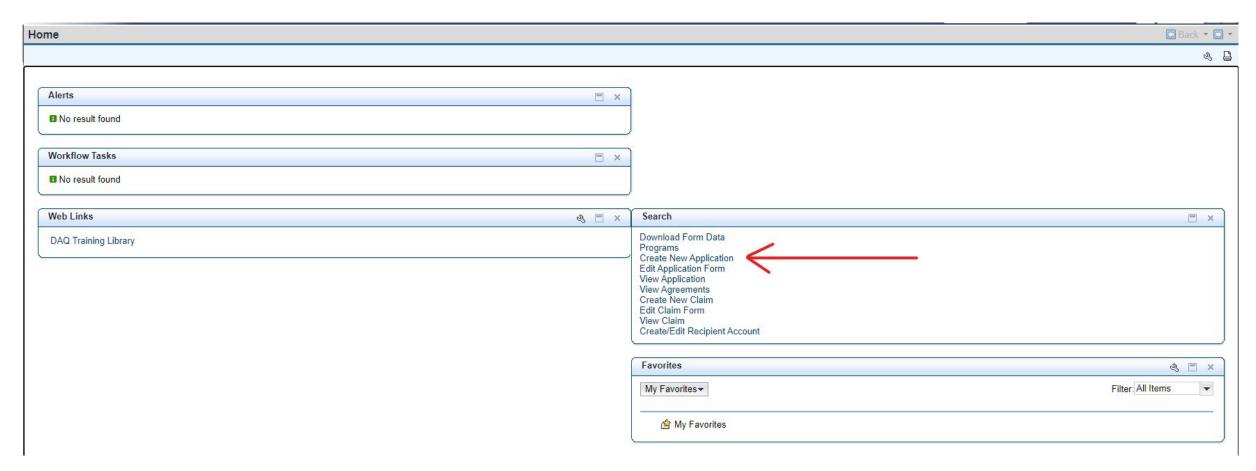


2022 Transit and Shuttle Bus Program

- 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 (All applications)	
NCID/W-9/Access to DAQ GMS	
Applicant/All Project Affiliates/Organization Contact Informati	on
Project Information	
Organization Federal Tax ID	
All REPLACED vehicle/engine information	
Vehicle License Plate number	_ Vehicle Make
Vehicle Model	VIN
Engine Make	Engine Model
Engine horsepower	Engine serial number
Lift capacity (as applicable)	GVWR of vehicle
Annual gallons of fuel used	Idling hours
Annual vehicle mileage	Total vehicle mileage
Remaining vehicle life in years	-
All REPLACEMENT/REPOWER vehicle/engine information New Vehicle Replacement/Engine Repower Cost quote New Vehicle Make (if replacing vehicle) New Engine Model (if replacing vehicle) New Engine Model New Engine horsepower/capacity New Vehicle GVWR (if replacing vehicle) New Fuel type Annual gallons of diesel fuel reduced Lift capacity (as applicable) Infrastructure information and cost estimate	
(For projects with EV replacement vehicles only)	
Any other additional documentation to support application (Including use surveys, etc.)	R

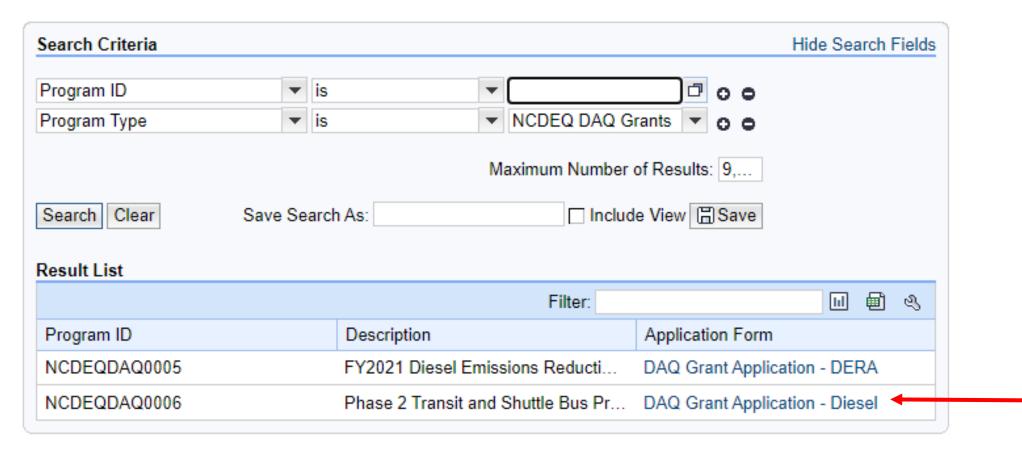














Project Contact Budge	et Pro	oject Details Certification	n								
Organization											
Organization Name Town of Cary DAQ test					Tax Identification Number (TIN)	56-6001196					
Project Title	New El	ectric Bus									
Project Details											
Program Type	T	ransit Bus Replacement (EMA	\-2b)	~	Eligible Applicant Type	Governn	nent	~			
Vehicle/Equipment Type	Class	4-8 Transit Bus Replacement	(EMA-2k	o) 🕶	Project Type	Vehicle Replaceme	ent -All Electric	~			
Number of Vehicles		1									
Project Location											
Street A	ddress	123 Main Street									
	City	Cary									
	County	WAKE	~								
Zij	o Code	27511									
Latitude (°N): (decimal de	egrees)	35.74420									
Longitude (-°W): (decimal de	egrees)	-78.79577]								
					Check	Save & Close	Next ⇒⇒				



Project Contact Budget Project Details	Certification				
Authorized Representative					
Name John Last Doe					
Name Doe					
Phone (919) 999-9999	,				
Project Manager					
Copy from Authorized Representative					
First Name					
Name Doe					
E-mail janedoe@cary.test.gov Phone (919) 999-9999					
Financial Contact					
Copy from Authorized Representative					
First Name					
Last Name					
E-mail johndoe@cary.test.gov Phone (040) 000 0000					
(919) 999-9999 lumber		_			
← Previous			Check	Save & Close	Next ⇒⇒

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)									
← Previous			Che	Save & Close	Next ⇒⇒				



Project	Contact	Budget	Project Details	Certification	
1. Please pr	rovide a deta	iled descripti	on of the proposed p	roject.	14 out of 3317
test test tes	st				
2. Explain h	ow this requ	est fits into N	orth Carolina's Bene	ficiary Mitigation Plan.	14 out of 1562
test test tes	st				
				ure indirect NOx and other emission reductions? That is, will this be the beginning or electricity? If so, please provide details.	14 out of 1562
test test tes	şt				

4. Are there any societal co-benefits of the project? Are there any "sensitive" populations including, but n the elderly that are likely to be directly benefited by the project?	not limited to asthmatio	es, children, or	14 out of 791
test test test			
Project Feasibility: Provide a description of how you as the applicant have the necessary technical,macapability and experience to execute on your proposed project.	anagerial, procuremen	t, and financial	14 out of 791
test test test			
6. Use this space for any additional information that you believe will be helpful in evaluating the project.	(Optional)		14 out of 791
test test test			
⇒⇒ Previous	Check	Save & Close	Next ⇒⇒

Project	Contact	Budget	Project Details	Certification				
rec	ords document	ing the plan	ning process and imp	lementation will b	ed out; that all money received we be maintained and submitted whe ected a contract with DEQ will be	en requested, and DE		
Authorize Name:	John Doe	tive		Title:	Director	Date:		
←← P	revious					Check	Save & Close	Submit



Confirmation

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

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

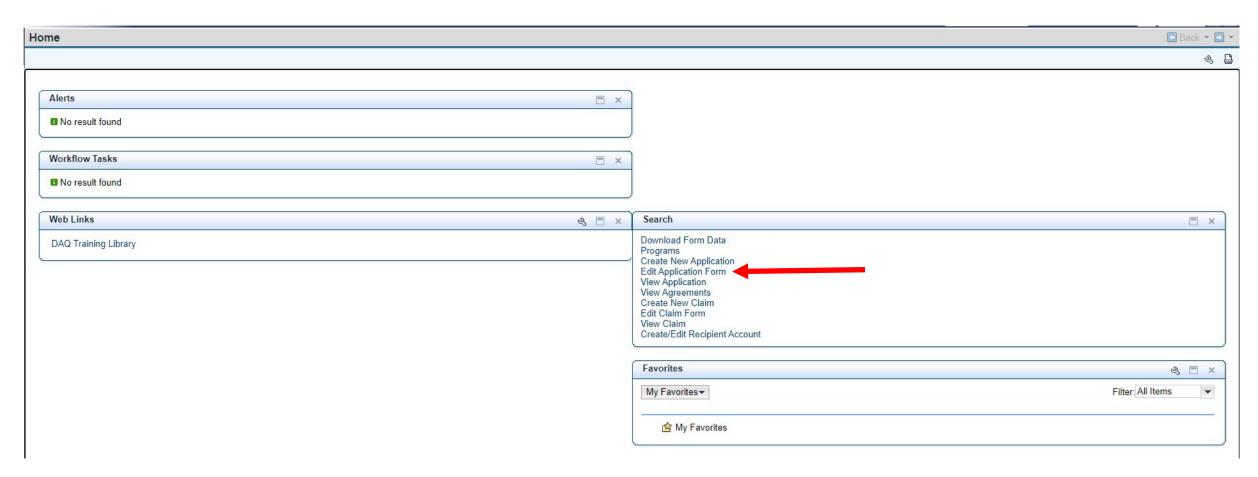
To download the Required Attachments Checklist, please click link: (Link to Checklist)

Click browse to select file (100 MB maximum) Choose File No file chosen

Attach



Editing an Existing Application





Editing an Existing Application

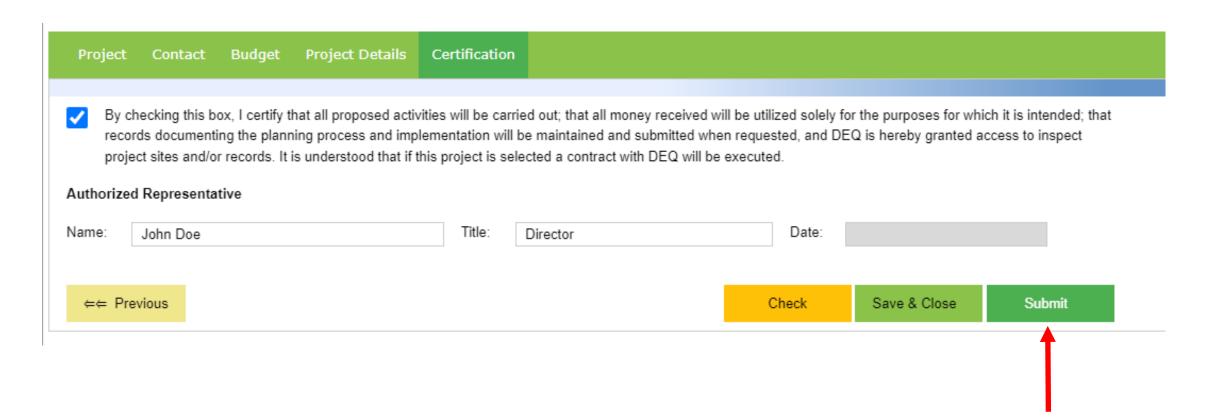


Maximum Number of Results: 100





Submitting an Application





Submitted Application and Attachments

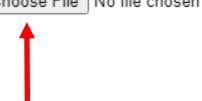
Confirmation

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)

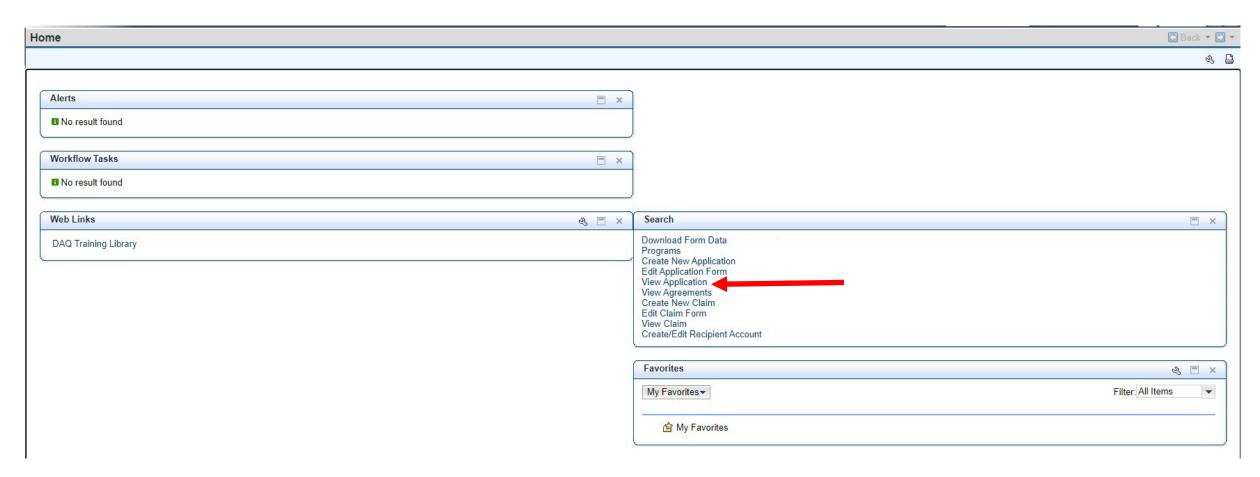
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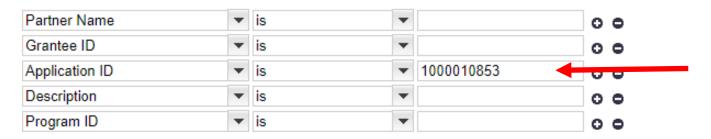


How to View an Application





Finding an Application in GMS



Maximum Number of Results: 100





Adding Attachments to a Submitted Application

Application: 1000010853, New Electric Bus								Back	
⊟Save X Cancel 2 Refresh									
→ Application Form									
Version:	Version: 0000000002			Last Changed B	By: BCPHILLIPS				
View:	DEQ DAQ App	lication Form	•			02/02/2022 10:46:38			
Project Contact Budget Project De	tails Certific	ation							
Organization									
Organization Nam	e Town of Car	y DAQ test		Tax Identification Number (TIN)	56-6001196				
Project Titl	e New Electric	Bus							
Project Details									
Program Typ	е	Transit Bus Replacement (EMA-2b)	~	Eligible Applicant Type			Government		~
Vehicle/Equipment Typ			~	Project Type		Vehicle Re	eplacement -All Electric		~
Number of Vehicle	S	1							
Project Location	01								
Street Address City		123 Main Street Cary							
County		WAKE V							
Zip Code		27511							
Latitude (°N): (decimal degrees)		35.74420							
Longitude (-°W): (decimal degrees)		-78.79577							
						Check	Save & Close	Next ⇒⇒	
→ Attachments							Filter:		
■ No result found									
Upload Document(s) From Local Hard Disk:		Choose Files No file chosen Upload							



Tips and Things to Know

- Engine model year of the old diesel vehicle must be 2009 or earlier
- Increases in fleet size are not allowed
- Replacement vehicle must be "like for like" with the original vehicle
- 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
- 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



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Transit and Shuttle Bus Application Scoring







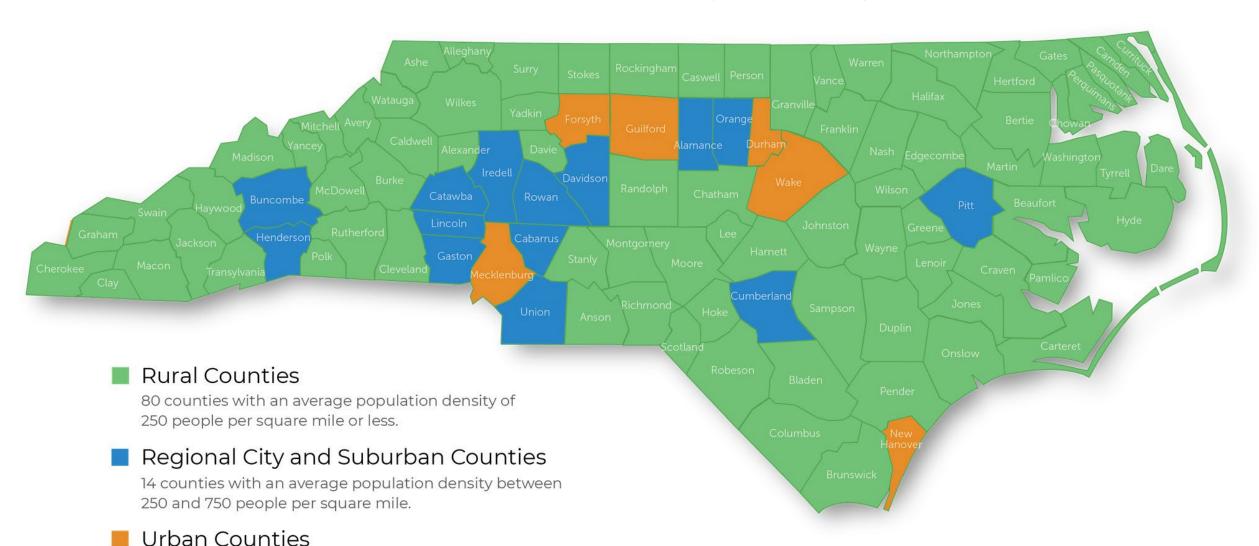
Project Selection Criteria

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



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 RFP.

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 RFP.



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



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



DAQ Project Eligibility Tool

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

DAQ Eligibility Tool



2022 Transit and Shuttle Bus Applications

Due date for application and all supporting materials:

May 2, 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.

Phase 2 Transit and Shuttle Bus RFP Timeline

Release of RFP

February 1, 2022

Applications open in GMS

February 1, 2022

Proposal applications due date

May 2, 2022

Proposal application evaluations

May/June 2022

Phase 2 project selections

June/July 2022

Grant awards announced

July 2022



Where to get more information after today?

Transit and Shuttle Bus Program

https://deq.nc.gov/VW-Transit-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
 - PlugIn NC
 - Sustainable Sandhills
 - Triangle J Council of Governments (TJ COG)
 - Western NC Regional Air Quality Agency



VW Transit and Shuttle Bus Program Contacts

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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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