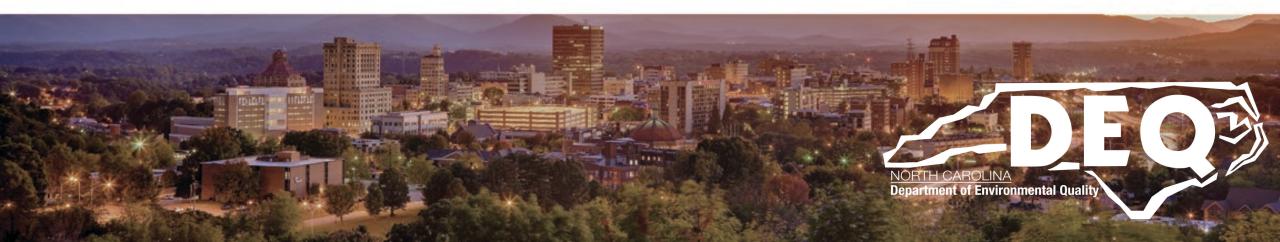


Mobile Source Emission Reduction Grants– How to Apply - Question and Answer Session November 4, 2024 Sheila Blanchard, Environmental Program Consultant, NC Division of Air Quality

Department of Environmental Quality



What to Expect Today

- Brief overview of <u>Mobile Source Emission Reduction Grant</u> program funded from Diesel Emissions Reduction Act (DERA) program
- When/how to submit your application
- Attachments and information required for a complete application
- Application evaluation/scoring
- Where to find information after this workshop
- Questions and answers



Request for Proposals (RFP) Timeline

Milestone	Date		
Application open in DAQ Grants Management System	October 15, 2024		
Application closes in DAQ Grants Management System	December 31, 2024		
DAQ evaluation of applications	January-February 2025		
All applicants notified of their application status	March 2025		
Awardee contracts processed	April-May 2025		
All work completed	September 30, 2026		
Invoices, Certificate of Engine/Chassis Destruction and Final Reports submitted to DAQ	September 30, 2026		

Over \$1.08 Million in anticipated available funds



For this webinar:

- You should already have an NCID (REQUIRED TO REQUEST ACCESS TO THE GMS)
- You should already have requested access to the Grants Management System (GMS) which is required to submit an application (we covered this in detail in the last webinar)
- The very last day that you could be granted access, and still have time to apply is December 9, 2024.

Late applications will not be accepted.



First Things First

- This is a reimbursement program for diesel equipment upgrades or replacement.
- There are mandatory cost-shares for almost all project types.
- Existing diesel equipment must scrapped.
- You MUST scrap replaced equipment within 3 months of taking delivery of new equipment.



Important Criteria

- Replacement vehicle/equipment must be of the same weight class of original vehicle/equipment.
- All vehicles and equipment must have 3 years of useful life remaining.
- All original equipment or vehicles must be operational in the previous two years and the replacement equipment or vehicle must be operated at least 70% in North Carolina for the next 5 years.



How to Apply

- You must have an NCID to request access to the Grants Management System (GMS).
- If you already have an NCID, skip to "Request Access".
- Steps to apply:
 - 1. Submit an <u>Enterprise Business Services External Access Request</u> <u>Application</u> (select "NCDEQ Division of Air Quality" for the agency).
 - 2. Complete and submit NC Substitute W-9 and email to

daq.mscb.ncdaqgrants@deq.nc.gov.

- 3. You will receive a "Welcome to the DAQ Enterprise Business System" email when your access has been processed.
- 4. Apply in <u>NC EBS Portal</u>.

This can take up to 1 week or more to get processed.



Required Application Attachments

- NCDAQ Vehicle Spreadsheet
- Quotes
 - Should include itemized quotes for all equipment
- Pictures of original equipment, engine tags, and VINs
- Any other supporting documentation for application
- EV requests require extra attachments (next slide)



Required Application Attachments: EV projects only

- Acknowledgement of consultation with utility
- Quotes for infrastructure (if requesting in application)
 - Installation
 - Equipment
- Acknowledgment of BABA compliance
- Acknowledgement of workforce development
- Any other supporting documentation for application



DAQ Grant Management System (GMS)

 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

 Additional GMS information can be found here: <u>https://deq.nc.gov/DAQ-grantsmanagement</u>





Enterprise Business Services

User	
Password *	
Passwords are case sensitive	
Log On	

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one Application 10	NCDEQDAQ0012			Phase 2 Level 2 MUD Program	DAQ Grant Application - Level 2 Charge	
	NCDEQDAQ0014			Phase 2 Level 2 Workplace Program	DAQ Grant Application - Level 2 Charge	
	NCDEQDAQ0015	-		► FY2022 Diesel Emissions Reduction Act	DAQ Grant Application - DERA	

The Program ID in the DAQ Grants Management System for the 2024 Diesel Emission Reduction Grant is **NCDEQDAQ0019**.



New Application Form									🖸 Back 👻 🔯
Project Contact	Budget Project Details	Certification							
Organization									
	Organization Name	NC Dept of Envi	ronmental Quality			Tax Identification Number (TIN)			
	Project Title								1
Project Details									
	Program Type	DERA (EMA-10)			~	Eligible Applicant Type	Please	Select	~
	Vehicle/Equipment Type		DERA Type pro	jects (EMA-10)	~	Project Type	Please	Select	~
	Number of Vehicles								1-4
Project Location									
	Str	eet Address							_
		City							
		County	Please Select	~					
		Zip Code							
	Latitude (°N): (decim	nal degrees)							
	Longitude (-°W): (decim	nal degrees)							
							Check S	ave & Close Next ⇒⇒	



Projec	t Contact	Budget	Project Details	Certification
Authoriz	zed Representa	ative		
Name	John			
Name	Doe			
E-mail Phone Number	johndoe@cary.t (919) 999-9			
Project	Manager			
Copy fr	rom Authorized	Representati	ive	
First Name	Jane			
Last Name	Doe			
E-mail Phone	janedoe@cary.t			
Number	(919) 999-9	999		
Financia	al Contact			
Copy fr	om Authorized	Representati	ive	
First Name	John			
Last Name	Doe			
	johndoe@cary.t	est.gov		
Phone Number	(919) 999-9	999		
⇔⇔ F	Previous			

oject contact bu	dget Project Details Certifi	cation				
Budget	Item	Project Total	Requested Funds	Matching Funds (Your Org)	Other Funding	Other Funding (Specify)
I New equipment/vehicle/e	ngine	\$0				
2 Infrastructure costs		\$0				
	Total Project Budget	\$0	\$0	\$0	\$0	
o Vehicle Spreadsheet)						
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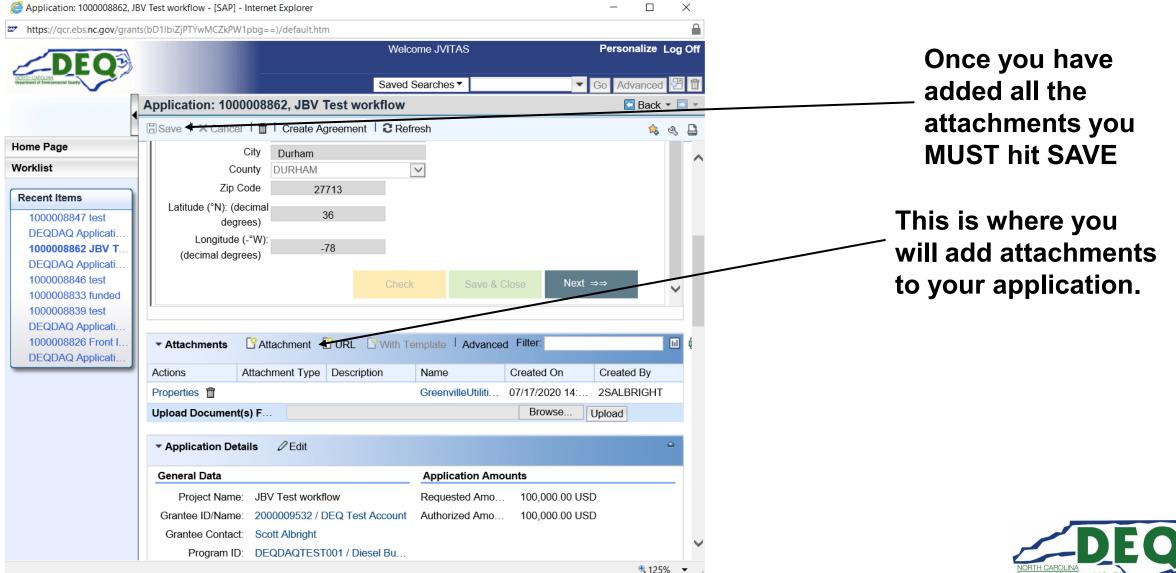


Funding Levels

Eligible Technologies	DERA Funding Limits	Minimum Mandatory Cost-Share (Fleet Owner Contribution)
Drayage Truck Replacement	50%	50%
Vehicle or Equipment Replacement with EPA Certified Engine	25%	75%
Vehicle or Equipment Replacement with CARB Certified Low NOx Engine	35%	65%
Vehicle or Equipment Replacement with Zero-tailpipe Emission Power Source	45%	55%
Engine Replacement with EPA Certified Engine	40%	60%
Engine Replacement with CARB Certified Low NOx Engine	50%	50%
Engine Replacement with Zero-tailpipe Emission Power Source	60%	40%
EPA Certified Remanufacture Systems	100%	0%
EPA Verified Highway Idle Reduction Technologies when combined with new or previously installed exhaust after-treatment retrofit	100%	0%
EPA Verified Highway Idle Reduction Technologies without new exhaust after-treatment retrofit	25%	75%
EPA Verified Locomotive Idle Reduction Technologies	40%	60%
EPA Verified Marine Shore Connection Systems	25%	75%
EPA Verified Electrified Parking Space Technologies	30%	70%
EPA Verified Exhaust After-treatment Retrofits	100%	0%
EPA Verified Engine Upgrade Retrofits	100%	0%
EPA Verified Hybrid Retrofit Systems	60%	40%
EPA Verified Fuel and Additive Retrofits when combined with new retrofit, upgrade, or replacement	Cost differential between conventional diesel fuel	Cost of conventional diesel fuel
EPA Verified Aerodynamics and Low Rolling Resistance Tires when combined with new exhaust after- treatment retrofit	100%	0%
Alternative Fuel Conversion	40%	60%

	Saved Searches - NCDEQDAQ0001	Go Advanced
Application Form		🖸 Back 🤊
Project Contact Budget Project Details Certification		
. Please provide a detailed description of the proposed project.	10	out of 3317
Test Test		
2. Explain how this request will benefit North Carolina's goal of reducing diesel emissions in areas of poor air quality or areas that are currently in maintenance for either the ozone or PM2.5 national ambient air quality stand vill be given to projects that are located at or service goods movement facilities (e.g. ports, airports, rail yards, terminals, or distribution centers) please provide how the project addresses these types of areas.	ards. Priority 10	out of 1562
Test Test		
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, pletails.	please provide 10 o	out of 1562
Test Test		
. 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?	0) out of 791

How to Add an Attachment



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

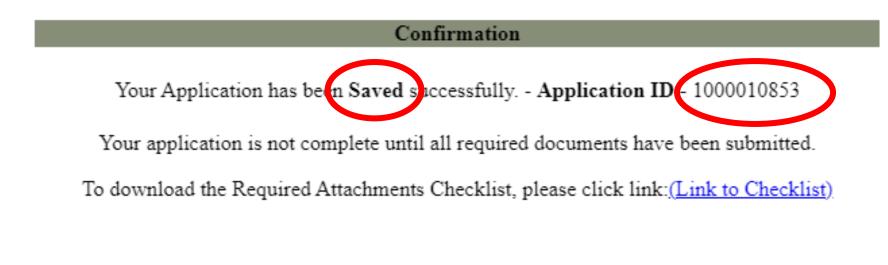
Name: John Doe	Title:	Director	Date:			
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Submitting an Application

Projec	t Contact Bud	get Project Det	ails Certification	n			
 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:		
⇔⇔ P	Previous				Check	Save & Close	Submit
							1





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

Attach



Required Application Attachments

- NCDAQ Vehicle Spreadsheet
- Quotes
 - Should include itemized quotes for any requested equipment and associated infrastructure install/equipment
 - Infrastructure acknowledgement of utility consult (EV projects only)
 - Acknowledgment of BABA compliance (EV projects only)
 - Acknowledgement of workforce development (EV projects only)
- Pictures of engine tags, VINs, of original equipment/vehicle
- Pictures of equipment/vehicle to be replaced
- Any other supporting documentation for application



Applicant	Pub lic Works	
Program FY(s)	2023	
Project Title	Refuse Hauler Replacement	

INSTRUCTIONS: This Fleet Description should detail all vehicles and engines impacted under the project. The fields below align with EPA's Diesel Emi completed. This Fleet Description is broken into two sections: 1) Current Vehicle and Engine Information and 2) New Vehicle and Engine Upgrade Inform Description data definitions on tab 6 (Data Dictionary) for additional guidance on each field.

Each vehicle/engine group column below can represent one or more similar pieces of equipment operating in the same fleet. You can copy and paste addition

	Fleet Information	Example	Unit l	Unit 2
URRENT VEHIC	LE AND ENGINE INFORMATION			
	Group Name:	Sample	Unit 1	
	Fleet Owner:	Organization Name	Public Works	
	Publicly or Privately Owned?:	Publicly	Publicly	
Basic Fleet Information	Place of Perform ance			
	- State(s):	N orth C arolina	N orth Carolina	
	- County(s):	Wake	Wake	
	- City(s):	Raleigh	Raleigh	
	- Zip Code(s):	27610	27603; 27529	
	Equipment Type:	Onroad	Onroad	
	Target Fleet	Transit Bus	Refuse Hauler	
	Class (onroad vehicles, as defined in data dictionary):	Class 6	Class 8	
	V chicle or Engine Group Sector:	Municipal	Construction	
	V ocation (on-highway, short-haul, and marine only):	Other	Other	
Current Vehicle Information	Vehicle Identification Number(s):	1234567891011	5V CDG6JF78H121212	
	Vehicle Make:	ABC 123	Autocar	
	Vehicle Model:	ABC Bus	WX64	
	Vehicle Model Year:	1995	2008	
	Engine Serial Number(s) :	4548154	46855888	
	Engine Make:	ABC	CUMMINS	
	Engine Model:	ABC	ISL345	
	Engine Model Year:	1995	2007	
Current Engine	Tier 4 Standards (Tier 4 only):	N/A	N/A	
Inform ation	Engine Horsepower:	660	300-350	
	Engine Family Name (if unregulated, then NA):	N/A	7CEXH0912XAJ	
	Baseline Engine Fuel Type:	ULSD (diesel)	ULSD (diesel)	
	Annual Amount of Fuel Used (gallons/year per engine):	6000	8644	
	Armual Miles Traveled (miles per vehicle; on-highway only):	12000	25933	
Current Annual	Annual Idling Hours (hours per engine; on-highway only):	1500	50	
Vehicle Data	Remaining Life of Baseline Engine/V ehicle (years per engine; total # of years of engine life remaining at time of upgrade action must be > 3):	3	6	

NCDAQ Vehicle Equipment Spreadsheet

Old equipment (replaced equipment)

Please fill out as many fields as you can.

Notice the sheets are labeled by the project type:

- 1. On-Road
- 2. Off-Road
- 3. Marine
- 4. Locomotive
- 5. Infrastructure (should be filled out for any EV replacement requests with infrastructure)

You can upload attachments *at any time* during the application process.



NEW VEHICLE AND ENGINE IPGRADE INFORMATION

W VEHICLE	AND ENGINE UPGRADE INFORMAT	TON				-
I I DIROBLI	Year of Upgrade Action	2024		2024		
	Upgrade Type:	V ehicle F	leplacement	V ehicle Replac	ement	1
	Upgrade Specific:	V ehicle Replacement - All-Electric		V ehicle Replac	ement - CNG	
	Class (onroad vehicles, as defined in data dictionary):	Class 6		Class 8		
	VIN for New Vehicle(s)	TBD		TBD		
Up grade Inform ation	Total Cost Per Unit (equipment plus labor):	\$	175,000.00	\$	328,265.02	\$
	Upgrade Equipment C ost only Per Unit:	\$	150,000.00	\$	328,265.02	
	Upgrade Labor Cost <i>only</i> Per Urit:	\$	25,000.00	\$	7.5	
	Total Funds Requested:	\$	50,000.00	\$	40,000.00	/
	Federal Cost Share Expended Per Unit (% of Total Cost per Unit):		29%		12%	
	New Engine Model Year:	2024		2020		
	Tier 4 Standards (Tier 4 only):	N/A		Final		
New Engine Information	New Engine Horsepower:	750		300-350		
INTOLWARDY	New Engine Family Name:	ABC		TBD		
	New Engine Fuel Type:	Electric		CNG (1bs)		
New Annual Vehicle Data	New Annual Idling Hours (hours per vehicle; on-highway only):	N/A		50		
	New Annual Fuel Volume (estimated gallons/year per engine):	6000		54,025 lbs		

New equipment (replacement equipment)

Please fill out as many fields as you can.

The quotes should match the information found in this spreadsheet.

If you are requesting infrastructure for replacement equipment, the quotes should match for installation and equipment.

You can upload attachments *at any time* during the application process.



Editing an Existing Application

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Editing an Existing Application

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Grantee ID	▼ is	•		0 0
Application ID	▼ is	•	1000010853	
Description	▼ is	•		0 0
Program ID	▼ is	•		0 0

Maximum Number of Results: 100

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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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- Application Form								
	Version:	000000002		v	Last Changed By			
		DEQ DAQ Appl	ication Form	• •		02/02/2022 10:46:38		
	view.	DEGENGAPP						
Project Contact	Budget Project Detai	ils Certifica	tion					
Organization								
	Organization Name	Town of Cary	/ DAQ test		Tax Identification Number (TIN)			
	Project Title	New Electric	Bus					
Project Details								
	Program Type		Transit Bus Replacement (EMA-2b)	~	Eligible Applicant Type		Government	~
	Vehicle/Equipment Type		Class 4-8 Transit Bus Replacement (EMA-2b)	~	Project Type	Vehicle	Replacement -All Electric	~
	Number of Vehicles		1					
Project Location								
	St	treet Address	123 Main Street					
		City	Cary					
		County	WAKE 🗸					
		Zip Code	27511					
	Latitude (°N): (deci		35.74420					
	Longitude (-°W): (deci	mal degrees)	-78.79577					
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Project Scoring Criteria

Lifetime Emissions Reductions	35
Lifetime Cost Effectiveness	30
Co-Benefits	20
Environmental Justice	10
EPA Priority County*	5
Historically Under-Resourced County	5
Electric Project	5
Minority or Women-owned Business**	5
Goods Movement Facility**	5
Federal Major Disaster Area	5
Total Points Possible	125

* Cabarrus, Gaston, Iredell, Lincoln, Mecklenburg, Rowan, or Union

** You must indicate this in your application

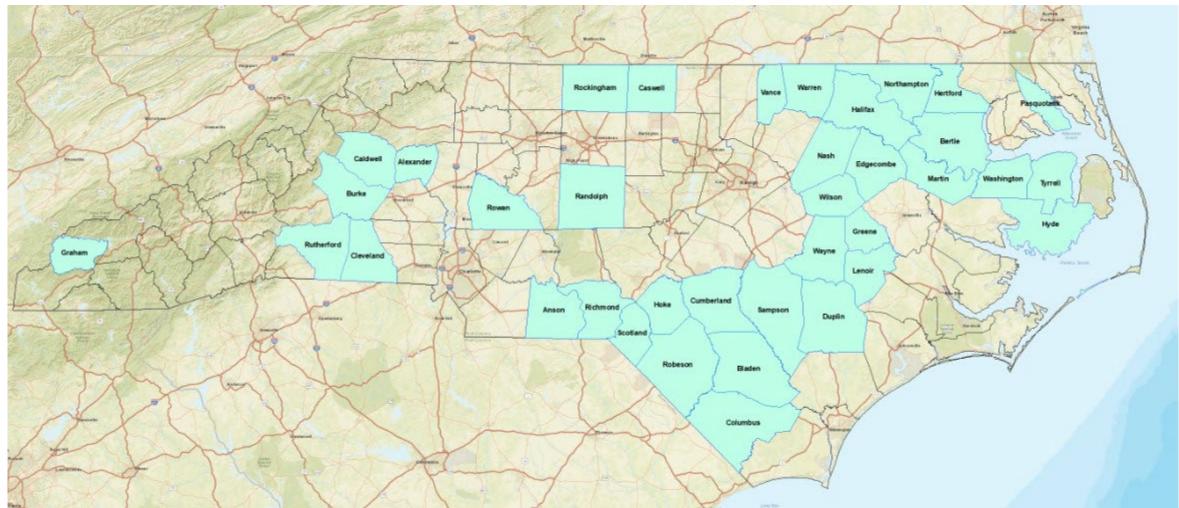


What does a competitive application look like?

- It should be complete.
- It should be cost effective compared to our other applications. This may include voluntary costshares, i.e., those over the mandatory cost-shares required by the program.
- The best-scoring equipment gets a lot of mileage/hours and has a lot of useful life.
- The best applications have a well-defined project scope and they fit into a larger sustainability plan.



Historically Under-Resourced County Map





Tips and Things to Know

- Increases in fleet size are not allowed.
- Replacement vehicle must be "like for like" with the original equipment.
- Charging infrastructure purchases must be part of a vehicle replacement project.
- 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 December 31, 2024.
- Do not sign any agreements with vendors or start work until your contract is fully executed.
- Applications may be shared with other agencies with similar funding opportunities if project is not funded.
- You must log into GMS periodically or your account will be made inactive, and you may have to request access again.

AN AWARDED APPLICATION IS NOT A FULLY EXECUTED CONTRACT



To get Reimbursement

- All claims are submitted in the GMS
- Quarterly reporting is required by all grantees
- Site visits for staff to see the purchased equipment is required to receive reimbursement
- Submit invoices, proof of scrappage, photos of new equipment, final reports



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.
- You must scrap all replaced equipment within 3 months of taking delivery of new equipment.



Destruction of Old Equipment







A Few Helpful Hints

- Apply early
 - If there are issues with your application, it can be returned for correction before the December 31, 2024, closing date.
 - We will not accept late applications.
- Contact us for questions well before the application closes for assistance.



Where to get more information?

- Questions regarding the application can be directed to: <u>daq.mscb.ncdaqgrants@deq.nc.gov</u>
- Downloadable GMS External User Manual
- Questions regarding logging onto the system after access has been granted and/or error messages received during the application process can be directed to: EBSSupport@ncdot.gov



Subscribe to our Mobile Sources Email List!

If you are not currently on our mailing list and would like to receive email updates about DERA, please send an email with the word "Subscribe" in the subject line

to <u>daq.mscb.ncdaqgrants@deq.nc.gov</u>.

DERA Program Contacts

Sheila Blanchard 919-707-8423 <u>Sheila.Blanchard@deq.nc.gov</u>

Matthew Hoskins 919-707-8424 <u>Matthew.Hoskins@deq.nc.gov</u>

Steven Rice 919-707-8404 <u>Steven.Rice@deq.nc.gov</u>



Useful Links

- About the NC DERA Program:
 - NC DAQ DERA Page
 - DERA Eligibility Tool
 - RFP Guidance

NC DAQ Grants Management System:

- GMS Website
- NC DAQ GMS
- NC DAQ Users Guide

Required Forms to Apply:

- NCID Registration
- Online GMS access form
- NC W-9 form
- Past Webinar How to Apply:
 - GMS Overview



Questions



