

# 2024-25 CLEAN TRUCK, BUS & AIRPORT EQUIPMENT RFA



# LOGISTICS

## ZOOM MEETING SETUP

Welcome and thank you for participating in DEQ's Clean Truck, Bus & Airport Equipment webinar. Please read the following tips about participating in this virtual meeting:

- We are recording the meeting.
- All participants have been automatically muted. Please remain so until called on to speak.
- Use the “raise hand” feature in the app to indicate that you would like to speak.
- If you are called on to speak, please identify yourself by stating your first and last name as well as your affiliation, if any.
- You may also use the chat box and/or Q&A to type your questions.
- Joining by phone?
  - Press \*6 to mute/unmute yourself.
  - Press \*9 to raise your hand.
- Visit the following link for helpful tips about using Zoom software:
  - <https://support.zoom.us/hc/en-us/articles/201362193-Joining-a-meeting>



# Montana's Volkswagen Settlement



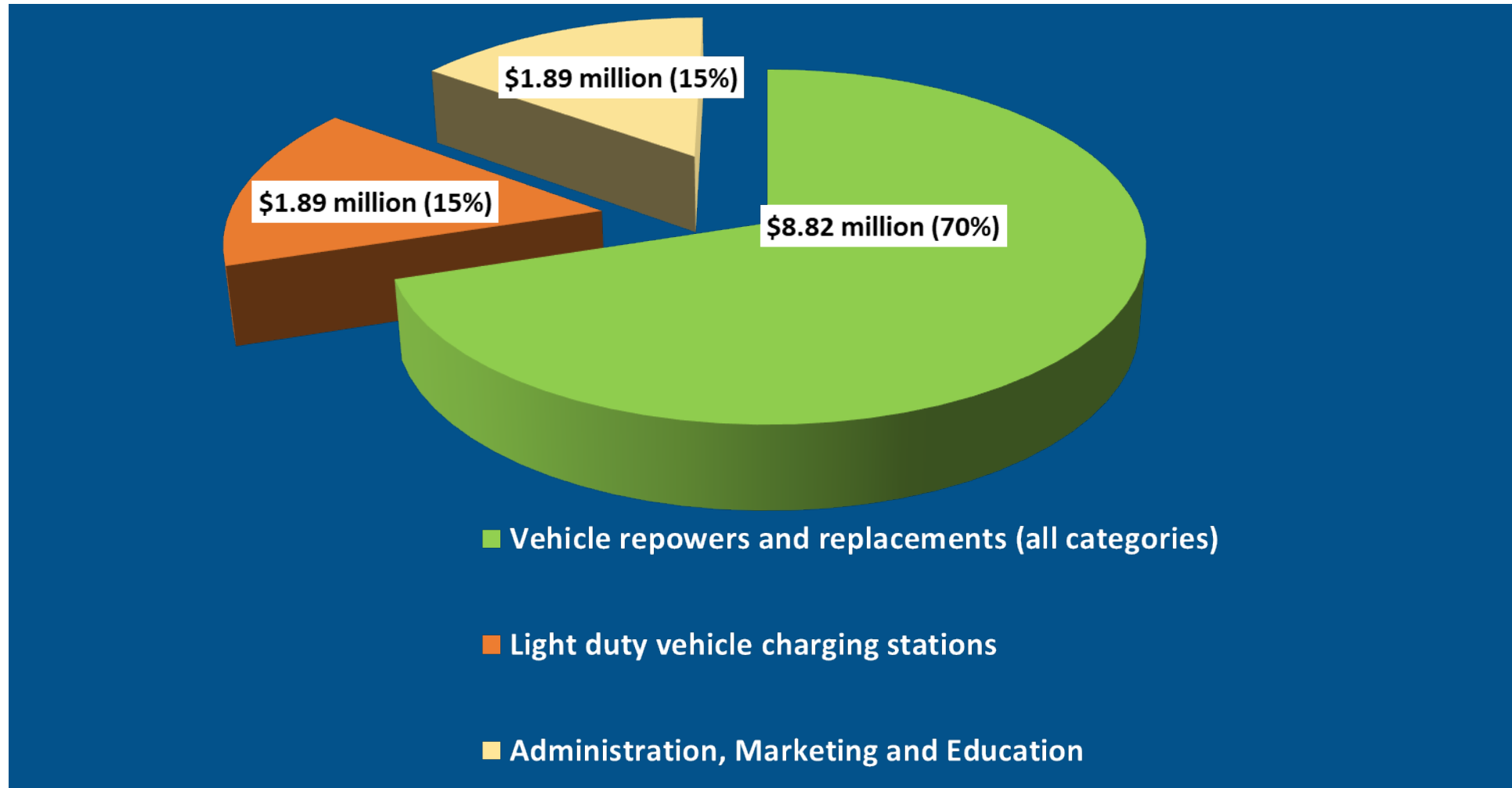
## VW Settlement Funding

- \$12.6 million total for Montana
- Funding for:
  - Medium-Heavy Duty Diesel vehicle replacements and repowers
  - Light duty electric vehicle charging stations

## Goals of the program

- Reduce mobile source NOx emissions
- Invest in clean alternative fuels and infrastructure
- Achieve long-term air quality benefits for the greatest number Montanans

# Volkswagen Funding Budget Categories



# Clean Truck, Bus & Airport Equipment Program

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## Purpose

Reduce mobile NOx emissions

Improve air quality

Support investments in zero-emission transportation

## Goals

Achieve mobile source NOx emission reductions across Montana focusing on areas with the highest mobile source NOx emissions

## Funding

Grants of up to \$500,000 per project but with maximum levels of cost share dependent on project costs

# Eligible Projects – Categories A & B

Eligible on-road trucks include Class 4-8 (14,001 lbs. GVWR or greater) used for local freight or delivery. Eligible trucks may include, but not be limited to, waste haulers, dump trucks, street sweepers, courier services, delivery trucks, box trucks moving freight, and concrete mixers. Vehicles eligible for replacement shall have an engine model year of 1992-2009.

Eligible buses include Class 4-8 (14,001 lbs. GVWR or greater) shuttle buses or transit buses. Vehicles eligible for replacement shall have an engine model year of 1992-2009.

Technologies for Categories A & B	Costs Covered	Maximum DEQ Funding Share, not to exceed \$500,000	
		Government-Owned	Non-Government-Owned
Replace with new alternate fuel vehicle	Vehicle purchase	60%	25%
Replace with new diesel vehicle	Vehicle purchase	20%	20%
Replace with new all-electric vehicle	Vehicle purchase; purchase & installation of electric charging or fuel cell infrastructure	85%	75%



*Eligibility Requirements* on pages 4-5  
EMAs 1, 2 & 6

# Eligible Projects – Category C

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Eligible school buses include 2009 engine model year or older Class 4-8. School buses may only be replaced by all-electric buses.

Technologies for Category C	Costs Covered	Maximum DEQ Funding Share, not to exceed \$500,000	
		Government-Owned	Non-Government-Owned
Replace with new all-electric vehicle	Vehicle purchase; purchase & installation of electric charging or fuel cell infrastructure	85%	75%

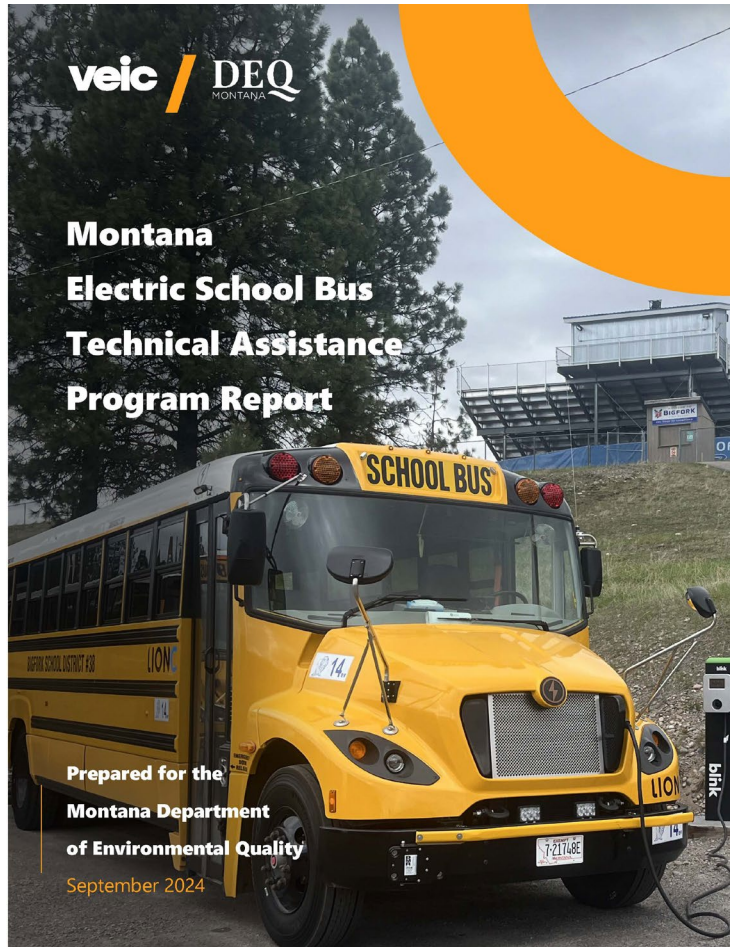
# Eligible Projects – Category D

AGSE may only be replaced by all-electric AGSE. Eligible AGSE for replacement pertains to vehicles and equipment that are used at an airport to service aircraft between flights for at least the last 2 years and includes: Emission Tier 0, Tier 1, or Tier 2 diesel-powered airport GSE; and Uncertified, or certified to 3 grams/brake horsepower-hour (bhp-hr) or higher emissions, gasoline spark ignition engine-powered airport GSE.

Technologies for Category D	Costs Covered	Maximum DEQ Funding Share, not to exceed \$500,000	
		Government-Owned	Non-Government-Owned
Replace with new all-electric AGSE	AGSE purchase; purchase & installation of electric charging or fuel cell infrastructure	70%	50%



# Electric School Buses in Montana



DEQ, in collaboration with VEIC, implemented the Electric School Bus (“ESB”) Technical Assistance Program to support the adoption of electric school buses in school transportation fleets across the state. The program involved school transportation providers in six communities – Bigfork, Billings, Clinton, East Helena, Fairfield, and Havre – each with state or federal grant funding to purchase ESBs and charging equipment. VEIC assisted with the deployment of ESBs at each of these communities by providing comprehensive technical support, evaluation, and reporting.

# School Bus Fuel Type Comparison

Fuel/Engine Type	Upfront Cost	Fuel cost (\$/mile)	Fuel economy (mpg or mpge)	Annual GHG Emissions (tons)	Annual NOx Pollutants (pounds)
<b>Diesel</b>	\$95K-\$115K	\$0.55/mile	7.0	29.5	40.05
<b>Gasoline</b>	\$95K-\$115K	\$0.60/mile	5.8	35.3	8.56
<b>Propane</b>	\$90K-\$100K	\$0.58/mile	5.8	30.7	3.42
<b>Battery Electric</b>	\$350K-400K	\$0.16/mile	22.5	10.1	0



Fuel cost calculated using National Avg Price between 7/1-7/15/24 published by U.S. DOE AFDC and using Fuel economy from Argonne National Lab's AFLEET Tool. Emissions from AFLEET Tool.

# Garbage Truck Fuel Type Comparison

Fuel/Engine Type	Upfront Cost	Fuel cost (\$/mile)	Fuel economy (mpg or mpge)	Annual GHG Emissions (tons)	Annual NOx Pollutants (pounds)
<b>Diesel</b>	\$300,000	\$2.27/mile	1.7	189.5	148.06
<b>CNG</b>	\$335,000	\$1.94/mile	1.5	175.2	7.4
<b>LNG</b>	\$325,000	\$3.20/mile	1.5	180.7	7.4
<b>Battery Electric</b>	\$500,000	\$0.61/mile	6.2	57.3	0



Fuel cost calculated using National Avg Price between 7/1-7/15/24 published by U.S. DOE AFDC and using Fuel economy from Argonne National Lab's AFLEET Tool. Emissions from AFLEET Tool.

# Project Scoring Criteria

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A. NOx Emissions

B. Achieve long-term air quality benefits for the greatest number of Montanans

C. Invest in clean alternative fuels/infrastructure

D. Reduce diesel emission exposure of sensitive populations

E. Project timeline

F. Project budget

G. Maintenance plan

H. Previous funding

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# Application Submission Requirements

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1. Completed DEQ Clean Truck, Bus & Airport Equipment application form with signature of individual from the lead applicant responsible for authorizing and overseeing completion of the project.
2. Letter(s) of Commitment from the applicant demonstrating assurance that project will operate primarily in Montana (i.e., for at least half of its operating time/mileage) and for at least five years.
3. Letter(s) of Commitment for match from the applicant and from additional project funding partners (if applicable), who will provide necessary matching funds for the project.
4. Copy of existing vehicle/AGSE title (if applicable).
5. A clear, legible photo of the engine label that captures the engine make, model, year, horsepower, serial number and engine family name for each vehicle/AGSE proposed for replacement.
6. A clear, legible photo of the VIN plate (if applicable) that includes VIN and gross vehicle weight rating (GVWR) for each vehicle/AGSE proposed for replacement. If a VIN plate is not available, provide documentation of the GVWR.
7. Three different bids for the replacement vehicle/AGSE. If you are not able to provide three bids, please include a written explanation of the reason why.

# Application Deadline

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DEQ will only review applications submitted to eMACS by **2:00 pm Mountain on January 31, 2025**, and will notify applicants if a project will be awarded funding within approximately 30 days of the application due date.

# RFA Questions

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- DEQ will accept questions regarding this RFA that are submitted before 2pm Mountain on December 6, 2024.
- Questions must be submitted to the eMACS Q&A. E-mailed questions will not be responded to.
- Answers to substantive questions will be posted by 2pm Mountain on December 13, 2024. Non-substantive questions may be answered anytime before the application deadline but must be submitted by the December 6 deadline.
- All answers will be posted to the eMACS Q&A board.

# Questions & Discussion

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For questions about  
this RFA in general,  
e-mail

[rebecca.gregg@mt.gov](mailto:rebecca.gregg@mt.gov)

Eligible Projects	Replacement of diesel class 4-8 trucks, buses, & airport ground support equipment
Application Deadline	January 31, 2025
Project Completion Date	20 months after execution of grant contract
Funded by	Volkswagen Environmental Mitigation Trust
Total Funds Available	\$3,700,000

Use the raise your hand function & unmute if you have a question. If you joined by phone, press \*9 to raise your hand & \*6 to unmute.

Please say your first & last name before asking your question.



Find the RFA at <https://spb.mt.gov/eMACS-Resources>