

# Class 8 Truck and Transit Bus Grant Program Guidelines

*A Driving PA Forward Funding Program*



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

**Tom Wolf**  
Governor

**Patrick McDonnell**  
Secretary

**Calendar Years (CYs) 2018-2019**

## **Important Information**

**Project Funding** – There is \$6,400,000 available for reimbursement grants from the Pennsylvania Department of Environmental Protection (DEP) in 2018 and 2019 under the Class 8 Truck and Transit Bus Grant Program.

**Project Period** – The project period will begin upon execution of a grant agreement and end one year later. Extension requests will be evaluated on a case-by-case basis.

**Submission Format** – The application is available online through the Department of Community and Economic Development's (DCED) Electronic Single Application website, eGrants, at <https://www.esa.dced.state.pa.us/Login.aspx>. Paper and faxed copies will not be accepted.

**Application Submission Period** – The Class 8 Truck and Transit Bus Grant Program application submission period will begin upon public notice of availability and will remain open continuously through the end of 2019, or until allotted funds are exhausted. DEP will review and score applications after each submission period end date. Submission period end dates are:

- January 11, 2019
- May 10, 2019
- September 23, 2019

**Application Scoring** – A description of the application scoring process and the application scoring criteria are included in this document.

**Webinar** – DEP staff will host a webinar during the first application submission period to answer questions from potential applicants; see Section VII. for more information.

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## **I. Funding Opportunity Description**

### **A. Background**

Reducing emissions from diesel engines is one of the most significant air quality challenges facing the Commonwealth of Pennsylvania. To help Pennsylvania meet its diesel emissions reduction goals, the Wolf Administration has developed new grant and rebate programs under the Driving PA Forward initiative to improve air quality in Pennsylvania and drive transformation from older, polluting diesel engines to clean technologies. New engine technologies like electric, compressed natural gas, propane, and clean diesel can significantly reduce pollutants from freight and delivery trucks, transit and school buses, cargo handling equipment, ocean going vessels in port, forklifts, tugs, and freight switchers that rely on older diesel technology.

The goal of the Governor's initiative is to permanently reduce NO<sub>x</sub> emissions by as much as 27,700 tons. Of the mobile source NO<sub>x</sub> emissions, diesel sources, including aviation, marine, and rail sources, account for approximately 61% of the emissions.

The Class 8 Truck and Transit Bus Grant Program is one of the Driving PA Forward financial incentive programs that the PA Department of Environmental Protection (DEP) has developed to fund Eligible Mitigation Actions (EMAs) from Pennsylvania's \$118.5 million allocation from the State Mitigation Trust, resulting from the emissions cheating lawsuit settlement.<sup>1</sup> Pennsylvania will have at least 10 years to use its allocation of the Trust to fund EMAs. All expenditures from the State Mitigation Trust will require the approval of the Trustee.<sup>2</sup>

### **B. Scope of Work**

The primary goal of the Class 8 Truck and Transit Bus Grant Program is to improve the Commonwealth's air quality by reducing NO<sub>x</sub> emissions from Class 8 local freight trucks and transit buses. A single grant proposal may target multiple fleets and/or diesel emission reduction solutions. See full eligibility information for applicants and projects in Section III.

## **II. Award Information**

### **A. Available Funding**

The funding available for calendar years (CYs) 2018-2019 under the Class 8 Truck and Transit Bus Grant Program is \$6,400,000. Multiple projects may be funded from the total available and partial funding is possible, if deemed appropriate by DEP staff.

### **B. Project Period**

The project period for the CY 2018-2019 Class 8 Truck and Transit Bus Grant Program will begin upon execution of a grant agreement and end one year later. Extension requests will be

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<sup>1</sup> A \$2.866 billion environmental mitigation trust (State Mitigation Trust) was established by the Environmental Mitigation Trust Agreement for State Beneficiaries filed by the United States (U.S.) Department of Justice, with the U.S. District Court for the Northern District of California on October 2, 2017, in the case, *In Re: Volkswagen "Clean Diesel" Marketing, Sales Practices, and Products Liability Litigation* (No. 3:15-md-02672-CRB (N.D. Cal.), MDL No. 2672). Additional information about the case and the settlement are available on DEP's website.

<sup>2</sup> A Trustee, Wilmington Trust, N.A., was approved by the Court on March 15, 2017, to administer the State Trust Agreement and disburse the funds from the State Mitigation Trust.

evaluated on a case-by-case basis by DEP. *Any applicant who begins a project and incurs costs before receiving a fully executed grant agreement does so with the understanding that the costs may not be reimbursed.*

C. Funding Type

The Class 8 Truck and Transit Bus Grant Program is offering funding as a reimbursement grant program. This means a grantee will pay all project costs and submit proof that project invoices have been paid, proof of project work completion, and proof of scrappage with a reimbursement request to DEP. If DEP approves the reimbursement request, DEP will submit the reimbursement request to the Trustee for direct payment to the grantee.

Please note that this payment process differs from other DEP grant programs, and will likely take some additional time beyond the standard 6-8 weeks before the grantee receives a reimbursement payment. DEP will not approve reimbursement requests for unpaid invoices. Detailed invoice requirements and submission instructions will be included in the grant agreement with successful applicants.

D. Technology Compatibility

Technology changes will not be allowed after a project has been selected for funding. If technology compatibility issues arise, DEP may elect to terminate the grant agreement, at which time any funding received by the grantee must be returned to DEP, unless otherwise stated in writing by DEP.

### **III. Eligibility Information**

A. Eligible Applicants

Organizations that operate eligible Class 8 local freight trucks or transit buses registered or having an apportioned registration in Pennsylvania and operating predominately in the state may apply to the Class 8 Truck and Transit Bus Grant Program. See the glossary for definitions. Eligible applicants include:

1. Businesses
2. Incorporated Nonprofits
3. State, Local, or Tribal Government Agencies
4. Air Quality or Transportation Organizations
5. Metropolitan or Rural/Regional Transportation Planning Organizations
6. Federal Government Agencies

Eligible applicants, or the entities they represent, must have a physical location or base of operations located within the boundaries of Pennsylvania, from which the vehicles proposed for repower or replacement operate.

B. Ineligible Applicants

1. Businesses not incorporated in or registered with the Pennsylvania Department of State, Bureau of Corporations and Charitable Organizations, to do business in the Commonwealth.
2. Individuals applying as individuals, not on behalf of an eligible applicant. Please note

sole proprietors are eligible to apply as a business.

C. Eligible Diesel Vehicles

See the glossary for definitions. Eligible vehicles include the following diesel-powered sources:

1. Class 8 Local Freight Trucks with Engine Model Years (MY) 1992-2009, with at least three (3) years remaining useful life.
2. Class 4-8 Transit Buses with Engine MY 2009 or older, that have reached their useful life limit of at least 12 years or at least 500,000 miles on the odometer.

Vehicles must be registered (full or apportioned) in Pennsylvania and operating predominately in Pennsylvania at the time of application.

1. Pennsylvania is a member of the International Registration Plan (IRP) which is a registration reciprocity agreement among jurisdictions of the United States and Canada. The agreement provides for registration fee payments on the basis of fleet distance operated in various jurisdictions.
2. Apportioned registration applies to vehicles that travel or are intended for travel in two or more of the member jurisdictions and is used for the transportation of persons for hire or is designed, used, or maintained primarily for the transportation of property, and:
  - a. is a power unit having a gross or registered weight in excess of 26,000 pounds, or
  - b. is a power unit having three or more axles regardless of weight, or
  - c. is used in combination when the weight of such combination exceeds 26,000 pounds gross vehicle weight.
3. Vehicles or combinations, having a gross vehicle weight of 26,000 pounds or less and two axle vehicles, may be apportioned at the option of the registrant.
4. Operating predominately in Pennsylvania means that at least 50 percent of a vehicle's annual operating time or at least 50 percent of a vehicle's annual mileage must occur within the boundaries of Pennsylvania.

D. Eligible Project Types

See the glossary for definitions. See Section IV. for cost-share information for each project type.

1. Repower with a MY 2018 or newer diesel or alternative fueled engine, including all-electric engines.
2. Replacement with a MY 2018 or newer diesel or alternative fueled vehicle, including all-electric vehicles.

E. Ineligible Diesel Vehicles and Project Types

The following are ineligible vehicles, engines, and/or equipment:

1. Local freight trucks that are MY 1991 or older, or newer than MY 2009.
2. Transit buses newer than MY 2009.
3. Any vehicle or engine that is not a diesel-powered Class 8 local freight truck or Class 4-8 transit bus.
4. Engine or equipment designated for repower or replacement where most of its annual operation time DOES NOT occur within the Commonwealth.

5. Vehicles being replaced or repowered that are not operational or that DO NOT have a valid Pennsylvania state registration, if required.

The following are types of projects that are not eligible for funding:

1. Projects already completed or started prior to submitting an application to DEP.
2. Projects with equipment physically located entirely outside of Pennsylvania.
3. Projects that are intended for fleet expansion.
4. The repair or salvaging of a disabled vehicle, or scheduled or routine maintenance and repairs due to accidents or neglect.
5. Projects that were previously funded by a different state or federally funded grant program.
6. Projects that replace or repower an alternative fuel vehicle, engine or equipment.
7. Projects with no measurable environmental net benefit for the Commonwealth.

**F. Funding Restrictions**

No funds awarded under the Class 8 Truck and Transit Bus Grant Program may be used:

1. As matching funds for other federal grants, lobbying, or intervention in local, state, or federal regulatory or adjudicatory proceedings, and cannot be used to sue the Commonwealth of Pennsylvania or any other government entity.
2. To cover expenses incurred prior to the project period set forth in any grant agreement funded by the Class 8 Truck and Transit Bus Grant Program. Additionally, expenses incurred prior to the project period set forth in any grant agreement resulting from this project solicitation are not eligible as a cost-share for proposed projects.
3. To prepare the Class 8 Truck and Transit Bus Grant Program grant application.
4. For vehicle title, registration and inspection fees, permit fees, or any other fees not approved by DEP in writing.
5. For administrative costs.

**IV. Cost Share and Scrappage Requirements**

The following section identifies the mandatory cost share requirements, specifically the project costs DEP will reimburse and the project costs that are the responsibility of the applicant. This section also discusses voluntary cost-share options and scrappage requirements.

**A. Mandatory Cost-Share Requirement**

The following are the funding limitations and mandatory cost-share requirements for eligible projects, as defined in Section III.D. of this project solicitation:



<b>Project Type</b>	<b>Fuel/Technology</b>	<b>Government Applicant* Cost Share</b>	<b>Non-Government Applicant Cost Share</b>
Repower	Diesel or Alternative Fuel	Up to 90% reimbursement / minimum 10% from applicant	Up to 40% reimbursement / minimum 60% from applicant
Repower	Electric	Up to 90% reimbursement / minimum 10% from applicant	Up to 75% reimbursement / minimum 25% from applicant
Replacement	Diesel or Alternative Fuel	Up to 90% reimbursement / minimum 10% from applicant	Up to 25% reimbursement / minimum 75% from applicant
Replacement	Electric	Up to 90% reimbursement / minimum 10% from applicant	Up to 75% reimbursement / minimum 25% from applicant

\* Note: Preference will be given to applicants that are approved distressed municipalities under Act 47, Financially Distressed Municipalities Act of 1987, by allowing up to 100 percent reimbursement for eligible projects. Such municipality must be identified on DCED’s website to be eligible.

1. Eligible costs for a diesel or alternative fuel repower include the cost of the new engine, including installation costs.
2. Eligible costs for an electric repower include the cost of the engine, including installation costs and charging infrastructure associated with the new engine.
3. Eligible costs for a diesel or alternative fuel replacement include the cost of the new vehicle.
4. Eligible costs for an electric replacement include the cost of the new vehicle, including charging infrastructure associated with the new all-electric vehicle.

**B. Voluntary Cost-Share**

1. Voluntary cost share, also referred to as an overmatch, is additional funds/resources, or those from third party sources, to support or complement the project, which are above and beyond mandatory cost share.
2. While it is not required that an applicant provide a voluntary cost-share (or overmatch if a mandatory cost share applies) beyond any mandatory cost-share as described above, applicants may provide a voluntary cost share or overmatch to improve the environmental outputs and outcomes of the project. A voluntary cost-share or overmatch may also improve the cost-effectiveness of a project, resulting in a higher score during the evaluation process.
3. If proposed, the voluntary cost share or overmatch funds must be included in the total for the match portion of the budget section of the application. Successful applicants will be required to provide details of the voluntary cost-share and will be legally obligated to meet any proposed voluntary cost share or overmatch that is included in the approved project budget in the grant agreement.

### C. Scrappage

The vehicle, equipment, and/or engine being replaced must be scrapped or rendered permanently disabled prior to a reimbursement request being submitted to DEP. Scrappage requirements will be detailed in the grant agreement.

1. For engine repowers and replacements, the following scrappage methods are allowed:
  - a. Cutting a three-inch by three-inch hole in the engine block (the part of the engine containing the cylinders).
  - b. Crushing or shredding the entire engine.
  - c. Other acceptable scrappage methods may be considered and will require prior DEP approval.
2. For vehicle replacements, the following scrappage methods are allowed:
  - a. Cutting a three-inch by three-inch hole in the engine block (the part of the engine containing the cylinders) and disabling the chassis by cutting through the frame/frame rails on each side at a point located between the front and rear axles.
  - b. Having the full vehicle crushed or shredded.
  - c. Other acceptable scrappage methods may be considered and will require prior written approval from the DEP Project Officer.
3. Evidence of appropriate scrappage or recycling is required in the final reimbursement request submitted to DEP.
  - a. Grantees must complete a “Certificate of Destruction”, including the required photographs, for each vehicle or engine that is scrapped. Digital photographs in a JPEG format are acceptable. This form is a fillable PDF and can be completed electronically or by hand.
  - b. Grantees must also provide a copy of a Nonrepairable Certificate for onroad vehicles. This Certificate should be obtained after the vehicle or engine has been delivered for scrappage or recycling. The Nonrepairable Certificate can be obtained by applying for a certificate using the Pennsylvania Department of Transportation’s Form MV-6 – Application for Nonrepairable or Salvage Certificate. When a Nonrepairable Certificate is issued, the vehicle may only be used as a source for parts or scrap and may NOT be issued a certificate of title or a salvage certificate. There is no fee to request a Nonrepairable Certificate.
4. Equipment and vehicle components that are not part of the engine or chassis may be salvaged from the unit being replaced (e.g. plow blades, shovels, seats, tires, etc.).
5. All vehicles or engines proposed to be scrapped must have been continuously operating in the grantee’s fleet for at least the previous three years.

## V. **General Conditions, Reporting, and Project Monitoring**

### A. Public Disclosure of Application Documents

Class 8 Truck and Transit Bus Grant Program applications and supporting documentation are public documents and subject to disclosure to the public upon request. Please note that all documentation and records used to support a funding request submitted to the Trustee of the State Mitigation Trust, and all documentation and records in support of all expenditures of State Mitigation Trust funds, are required to be made publicly available, subject to applicable laws governing the publication of confidential business information and personally identifiable information. This may include information from the application and

attachments, or reimbursement request documentation submitted by successful applicants during the grant period. Directions are provided in the Application Instructions for this program on how to format and submit any information that the applicant wishes the Commonwealth to consider as proprietary or confidential.

**B. Additional Conditions**

The awarding of grant funding is subject to the following conditions:

1. DEP may consider past performance of applicants who have received state funded grants when determining grant eligibility. DEP reserves the right to not award or withhold funds to applicants that have not completed projects or have failed to adhere to grant agreement requirements, including interim and final reporting requirements, for projects funded by the Class 8 Truck and Transit Bus Grant Program or other state grant programs. This determination will be made by DEP on a case-by-case basis.
2. All projects must be in compliance with all applicable local, state, and federal laws and must adhere to DEP guidance and policies.
3. Applicants must not have any outstanding obligations (financial or otherwise) to the Commonwealth and must not have any unresolved environmental violations.
4. Grantees must secure all permits or approvals otherwise required for the project to proceed, including permits required by DEP.

**C. Reporting Requirements**

1. Quarterly Reports: Quarterly reports will be submitted to DEP within 14 days after the end of each quarter during the project period. Reporting quarters end March 31, June 30, September 30, and December 31. Quarterly reports can be submitted through standard mail or through electronic mail sent to the DEP Program Administrator. Grantees will, in quarterly reports, provide DEP with the status of the project work, as compared to the Work Plan included in the grant agreement. Detailed reporting requirements will be established in the grant agreement.
2. Final Report: A final report will be submitted to DEP upon completion of the project, no later than 30 days after the Project Completion Date established by the grant agreement or future amendments. Detailed requirements for the final report will be established in the grant agreement.
3. 1-Year Follow-Up Report: A 1-year follow-up report will be submitted to DEP, at the earliest, one year after the Project Completion Date, but no later than one year and 30 days after the Project Completion Date. Detailed requirements for the 1-year follow-up report will be established in the grant agreement.

**D. Financial Monitoring**

1. Grantees must properly manage and account for funding received under the Class 8 Truck and Transit Bus Grant Program and any matching funds provided by the applicant. Appropriate records must be maintained in order to confirm compliance with the conditions of the grant agreement.
2. No credit will be given for funds spent prior to the period of performance, unless otherwise approved in writing by DEP. All funding must be spent in accordance with the spending plan included in the grant agreement.
3. Extensions of the grant period of performance will not be issued, unless DEP concludes it

to be necessary based on its own determination or in response to an approved request from the grantee.

4. Projects may be subject to PA Prevailing Wage Act requirements.
  - a. Grantees shall ensure, where necessary, that construction projects with a cost in excess of \$25,000 that may be subject to PA's Prevailing Wage Act requirements are paid appropriate wages commensurate with the Act.
  - b. For information about the applicability of the Prevailing Wage Act requirements, applicants should contact the Department of Labor and Industry at 717-787-5279 or 800-932-0665 or visit the website at [www.dli.pa.gov](http://www.dli.pa.gov). It is solely the responsibility of the grantee to ensure the act is followed, if applicable.
5. DEP reserves the right to terminate the project and/or recover funding from grantees not properly managing the funding in accordance with the conditions of the program and the grant agreement.
6. DEP reserves the right to inspect projects financed with Class 8 Truck and Transit Bus Grant Program funds and to audit or require a third-party audit of any project's financial transactions or compliance with agreement terms.

#### **E. Project Status and Monitoring**

1. Grantees will be required to provide a status report with each application for reimbursement, as outlined in the grant agreement.
2. DEP may, at any time during the project period, request an update on the status of the project, to ensure that the project activities are being completed according to the project Work Plan included in the grant agreement.
3. Project Completion
  - a. The project must be completed in accordance with the specifics of the grant agreement. Modifications will not be considered, except for very limited scope and budget changes, including, but not limited to: replacements of equal quality and function, and reallocation of contract budget category dollar amounts to and from other budget categories, as long as the maximum contract dollar amount payable to the grantee is not exceeded. All changes must be approved by DEP.
  - b. The project will not be considered complete until an on-site inspection of the project work is performed by DEP to confirm the project work is complete. DEP may waive this requirement and allow confirmation of project work in another form, to be determined on a case-by-case basis. DEP will send written notification to the grantee when it has confirmed that the project work is complete. On-site inspection, or other project confirmation activities, may occur during the project period if project work is completed early, but must occur no later than 30 days after the Project Completion Date, unless otherwise agreed to in writing by DEP.

### **VI. Application Review, Scoring, and Selection**

#### **A. Project Selection**

1. All complete applications will be reviewed by DEP staff, based on the set criteria, some of which are listed below.
2. Applications with the highest scores, that meet all other requirements, will be considered first for funding.

3. If additional funds remain, additional funding offers will be made to the next highest scoring applicant.
4. If remaining funds are not adequate to meet the funding request of the next highest scoring applicant, DEP will contact the applicant to see if they would accept funding at a lower level than requested in the application.
5. If an applicant is not selected for funding only due to all of the program's allocated funding being obligated, the applicant may be reconsidered for funding if any funds are unobligated as a result of a project termination or other action.

B. Notification of Applicants

1. All applicants will receive notification from the DEP Secretary or designee, addressed to the contact person specified in the application, notifying the applicant whether or not they are being offered grant funding.
2. If an application is not selected for funding, the applicant can contact DEP if they wish to discuss the details of why the application was not selected. Applications may not be selected for funding for incomplete or ineligible applications, lower score ranking than other applications, or lack of funds to award.
3. Successful applicants will be assigned a DEP project advisor; grantees may be required to meet with DEP staff to review contract requirements.
4. After the announcement of a grant award, DEP will forward a grant agreement to the successful applicant. Successful applicants will be required to execute the grant agreement, including a detailed scope of work, project schedule, detailed budget and other information.
5. Successful applicant will need both a Data Universal Numbering System (DUNS) Number and a Systems Applications and Products (SAP) Vendor Number. If applicants selected for funding do not have a DUNS Number or SAP Vendor Number at the time of award announcement, project work cannot begin until registration for both is complete. See the Application Instructions for additional information.

C. Application Review and Scoring

1. DEP will conduct a comprehensive review of the grant application and supporting documentation. DEP will not be responsible for an application that is rejected due to incomplete or inaccurate information. All complete applications will be reviewed and evaluated by a panel of air quality experts using set criteria, some of which are listed below.
2. Some of the scoring criteria include the following:
  - a. Small business status
  - b. Emission reductions, particularly NO<sub>x</sub> reductions
  - c. Cost effectiveness (\$/ton NO<sub>x</sub> reduced)
  - d. Size of the fleet proposed for repower or replacement
  - e. Match funding requirements
  - f. Project location – environmental justice areas, priority counties, high-pollution areas, Act 47 municipalities
  - g. Population density
  - h. Traffic density

## VII. Webinar Information

DEP staff will facilitate a webinar (web-based information session) for the CY 2018 Class 8 Truck and Transit Bus Grant Program on December 4, 2018 to provide general information about the grant program and to answer any questions from attendees relating to the program, including questions about the application and instructions. A link to register for the webinar is available on the Driving PA Forward website at [www.dep.pa.gov/drivepafoward](http://www.dep.pa.gov/drivepafoward) under the 'Heavy Duty Trucks and Transit Buses' heading. Interested parties can also register for the webinar at <http://www.dep.pa.gov/dataandtools/webinars/pages/default.aspx>. The webinar will be recorded and posted online here: <http://www.dep.pa.gov/Business/Air/Volkswagen/Pages/Driving-PA-Forward-Grant-and-Rebate-Awards.aspx>.

## VIII. How to Apply

- A. DEP is accepting applications for the Class 8 Truck and Transit Bus Grant Program. The application opportunity and the due date will be announced on the DEP website. Applicants will not be able to submit their application unless all required information is completed. Any additional application opportunity and application deadline will be announced on the DEP website.
- B. See the Class 8 Truck and Transit Bus Grant Program Application Instructions for step-by-step directions for applying for the Class 8 Truck and Transit Bus Grant Program. The Class 8 Truck and Transit Bus Grant Application must be submitted through the Department of Community and Economic Development's (DCED) Electronic Single Application website, eGrants, <https://www.esa.dced.state.pa.us/Login.aspx>.
- C. Application Submission Period – The Class 8 Truck and Transit Bus Grant Program application submission period will begin upon public notice of availability and will remain open continuously through the end of 2019, or until allotted funds are exhausted. DEP will review and score applications after each submission period end date. Submission period end dates are:
  - January 11, 2018
  - May 10, 2019
  - September 23, 2019
- D. Late submittals will not be accepted.
- E. DEP Assistance and Contacts
  1. Questions regarding the application process, including signing up for access and any issues with completing the online application, should be directed to the DCED Customer Service Center at 1-800-379-7448. The Customer Service Center is open 8:30 A.M.-5:00 P.M. EST Monday thru Friday.
  2. Any questions about responding to the application questions, deadlines, and webinar registration should be directed to the Bureau of Air Quality, Pennsylvania Department of Environmental Protection, 717-787-9495, [ra-epvwmitigation@pa.gov](mailto:ra-epvwmitigation@pa.gov).

**IX. Glossary – Definitions are for the purpose of this funding program and may vary from other commonly used definitions.**

‘Air Quality or Transportation Organizations’ – Local, regional or multi-state air quality or transportation organizations that include a Pennsylvania state government agency, a municipal government, or a municipal authority as a member, and

1. owns or operates a diesel fleet located or operating predominately in Pennsylvania, or
2. have partnered with or is acting as a project manager for another eligible entity listed in this section.

‘All-Electric’ – powered exclusively by electricity provided by a battery, fuel cell, or the grid.

‘Alternate Fueled’ – an engine, or a vehicle or piece of equipment that is powered by an engine, which uses a fuel different from or in addition to gasoline fuel or diesel fuel (e.g., CNG, propane, diesel-electric Hybrid).

‘Alternative fuel’ – gaseous fuels such as hydrogen, natural gas, and propane; alcohols such as ethanol, methanol, and butanol; vegetable and waste-derived oils; and electricity. Other fuels may be considered for replacement projects on a case-by-case basis by DEP.

‘Bus’ – a motor vehicle with motive power (except a trailer) designed to carry more than 10 individuals.

1. For the purposes of this application and guidance, the term bus includes school buses of Type A, B, C, and D. School buses are defined as “a passenger motor vehicle designed to carry a driver and more than 10 passengers, that the Secretary of Transportation decides is likely to be used significantly to transport preprimary, primary, and secondary school students to or from school or an event related to school. (49 U.S.C. 30125). See ‘school bus’ below.
2. For the purpose of this application and guidance, the term bus also includes medium- and heavy-duty transit or urban buses. See ‘medium- and heavy-duty highway vehicle’ definition.

‘Business’ – corporations, partnerships, sole proprietorships, limited liability companies, business trusts or other legal business entities incorporated in or registered with the Pennsylvania Department of State, Bureau of Corporations and Charitable Organizations, to do business in the Commonwealth.

‘CARB’ – California Air Resources Board.

‘Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Buses)’ – vehicles with a Gross Vehicle Weight Rating (GVWR) greater than 14,001 lbs. used for transporting people. See definition for School Bus below.

‘Class 8 Local Freight, and Port Drayage Trucks (Eligible Large Trucks)’ – trucks with a Gross Vehicle Weight Rating (GVWR) greater than 33,000 lbs. used for port drayage and/or freight/cargo delivery (including waste haulers, dump trucks, concrete mixers).

‘CNG’ – Compressed Natural Gas.

‘Commonwealth’ – Commonwealth of Pennsylvania.

‘DEP’ – Pennsylvania Department of Environmental Protection.

‘Diesel fuel’ – a fuel that is commonly or commercially known, sold or represented as diesel fuel, including any mixture of primarily liquid hydrocarbons that is sold or represented as suitable for use in an internal combustion, compression-ignition engine.

‘Electric vehicle or equipment’ – A vehicle or engine that uses electric motors and motor controllers for propulsion or operation of mechanical equipment in place of more common power sources such as the internal combustion engine (ICE).

‘Federal Government Agency’ – Federal agencies that have custody, control, or management of land (including, but not limited to, Clean Air Act Class I and II areas) within or contiguous to the territorial boundaries of the Commonwealth.

‘Government’ – a State or local government agency (including a school district, municipality, city, county, special district, transit district, joint powers authority, or port authority, owning fleets purchased with government funds), and a tribal government or native village. The term ‘State’ means the several States, the District of Columbia, and the Commonwealth of Puerto Rico.

‘Grantee’ – an applicant that has an executed grant agreement with DEP.

‘Gross Vehicle Weight Rating (GVWR)’ – the maximum weight of the vehicle, as specified by the manufacturer. GVWR includes total vehicle weight plus fluids, passengers, and cargo.

Class 1: < 6000 lb.

Class 2: 6001-10,000 lb.

Class 3: 10,001-14,000 lb.

Class 4: 14,001-16,000 lb.

Class 5: 16,001-19,500 lb.

Class 6: 19,501-26,000 lb.

Class 7: 26,001-33,000 lb.

Class 8: > 33,001 lb.

‘Hybrid’ – a vehicle that combines an internal combustion engine with a battery and electric motor.

‘Infrastructure’ – the equipment used to enable the use of electric powered vehicles (e.g., electric vehicle charging station).

‘Metropolitan or Rural/Regional Transportation Planning Organizations’ – Organizations as defined by the U.S. Department of Transportation at 49 U.S.C. § 5303(b), that are located in



Pennsylvania.

‘MY’ – Model year

‘Non-Profit’ – An organization incorporated as a non-profit under Pennsylvania law or registered with the Pennsylvania Department of State, Bureau of Corporations and Charitable Organizations, to do business in the Commonwealth.

‘Plug-in Hybrid Electric Vehicle (PHEV)’ – a vehicle that is similar to a Hybrid but is equipped with a larger, more advanced battery that allows the vehicle to be plugged in and recharged in addition to refueling with gasoline. This larger battery allows the car to be driven on a combination of electric and gasoline fuels.

‘Public Transportation’ – Regular, continuing shared-ride surface transportation services that are open to the general public or open to a segment of the general public defined by age, disability, or low income; and does not include:

1. intercity passenger rail transportation provided by the entity described in chapter 243 (U.S. Code) (or a successor to such entity);
2. intercity bus service;
3. charter bus service;
4. school bus service;
5. sightseeing service;
6. courtesy shuttle service for patrons of one or more specific establishments; or
7. intra-terminal or intra-facility shuttle services.

‘Replacement’ – replacement of non-road and highway diesel vehicles, engines and equipment with newer, cleaner vehicles, engines and equipment that operate on diesel, alternative fuels, or all-electric and use engines certified by EPA and/or CARB, if applicable, to meet a more stringent set of engine emissions standards.

‘Repower’ – to replace an existing engine with a newer, cleaner engine or power source that is certified by EPA and, if applicable, CARB, to meet a more stringent set of engine emission standards. Repower includes, but is not limited to, diesel engine replacement with an engine certified for use with diesel or a clean alternate fuel, diesel engine replacement with an electric power source (e.g., grid, battery), diesel engine replacement with a fuel cell, diesel engine replacement with an electric generator(s) (genset), diesel engine upgrades in Ferries/Tugs with an EPA Certified Remanufacture System, and/or diesel engine upgrades in Ferries/Tugs with an EPA Verified Engine Upgrade. All-Electric and fuel cell Repowers do not require EPA or CARB certification.

‘School Bus’ – a Class 4-8 bus sold or introduced into interstate commerce for purposes that include carrying students to and from school or related events. May be Type A-D.

‘Scrapped’ – 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 Bus' – A bus providing public transportation. (49 U.S. Code § 5302 – Definitions)

'Zero Emission Vehicle (ZEV)' – a vehicle that produces no emissions from the onboard source of power (e.g., All-Electric or hydrogen fuel cell vehicles).