

Volkswagen Environmental Mitigation Trust Fund

Eligible Mitigation Actions Summary Table

Prepared by

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Air Quality and Climate Division

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Status, Implementation and Timing of VW Environmental Mitigation Trust Fund in VT
Eligible Mitigation Actions Summary Table

1. Class 8 Local Freight Trucks (Large Trucks)		
Eligible Large Trucks	Maximum Funding Available	Summary of Requirements
Non-Government Owned Class 8 Local Freight Trucks	<p style="text-align: center;"><u>REPOWER:</u> Up to 40% of Diesel or Alt. Fuel Engine^{1,2} Up to 75% of All-Electric Engine³</p> <p style="text-align: center;"><u>REPLACEMENT:</u> Up to 25% of new Diesel or Alt. Fuel Vehicle Up to 75% of All-Electric Vehicle⁴</p>	<p>The vehicle to be replaced/repowered must:</p> <ol style="list-style-type: none"> 1) be a truck with a Gross Vehicle Weight Rating (GVWR) greater than 33,000 lbs. used for freight/cargo delivery (including waste haulers, dump trucks, concrete mixers), 2) be engine model year 1992-2009 (or engine model year 1992-2012 for states with regulations requiring upgrades to vehicles engine model year 1992-2009), and 3) for replacement, the vehicle must be scrapped or for repower, the engine must be scrapped. "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. <p>The engine model year of the replacement vehicle/engine must be equal to the year in which the Eligible Mitigation Action occurs or one engine model year prior.</p>
Government ⁵ Owned Class 8 Large Trucks	Up to 100% ^{1,2,3,4}	
2. Class 4-8 ⁶ School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)		
Eligible Buses	Maximum Funding Available	Summary of Requirements
Non-Government Owned Buses	<p style="text-align: center;"><u>REPOWER:</u> Up to 40% of Diesel or Alt. Fuel Engine^{1,2} Up to 75% of All-Electric Engine³</p> <p style="text-align: center;"><u>REPLACEMENT:</u> Up to 25% of new Diesel or Alt. Fuel Vehicle Up to 75% of All-Electric Vehicle⁴</p>	<p>The vehicle to be replaced/repowered must:</p> <ol style="list-style-type: none"> 1) be engine model year 1992-2009 (or engine model year 1992-2012 for states with regulations requiring upgrades to vehicles engine model year 1992-2009), and 2) for replacement, the vehicle must be scrapped or for repower, the engine must be scrapped. "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. <p>The engine model year of the replacement vehicle/engine must be equal to the year in which the Eligible Mitigation Action occurs or one engine model year prior.</p>
Government ⁵ Owned Buses ⁶	Up to 100% ^{1,2,3,4}	

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3. Freight Switchers		
Eligible Freight Switchers	Maximum Funding Available	Summary of Requirements
Non-Government Owned Switchers	<p style="text-align: center;"><u>REPOWER:</u> Up to 40% of Diesel, Alt. Fuel Engine, or Generator Sets^{1,2} Up to 75% of All-Electric Engine³</p> <p style="text-align: center;"><u>REPLACEMENT:</u> Up to 25% of new Diesel or Alt. Fuel Switcher Up to 75% of All-Electric Switcher⁴</p>	<p>The Freight Switcher being replaced/repowered must:</p> <ol style="list-style-type: none"> 1) be pre-Tier 4, 2) operate 1,000 hours or more annually, and 3) for replacement, the switcher must be scrapped or for repower, the engine must be scrapped. "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. <p>The replacement Switcher or engine must be certified to meet the applicable EPA emissions standards (or other more stringent equivalent State standard) for the engine model year in which the Eligible Mitigation Action occurs.</p>
Government ⁵ Owned Switchers	Up to 100% ^{1,2,3,4}	
4. Ferries		
Eligible Ferries	Maximum Funding Available	Summary of Requirements
Non-Government Owned Ferries	<p style="text-align: center;"><u>REPOWER ONLY:</u> Up to 40% of Diesel or Alt. Fuel Engine^{1,2} Up to 75% of All-Electric Engine³</p>	<p>The Ferries being repowered must:</p> <ol style="list-style-type: none"> 1) be unregulated, Tier 1 or Tier 2 marine engines, and 2) the engine must be scrapped. "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. <p>The new engine must be certified to Tier 3 or Tier 4. Additionally, the engine may be upgraded with an EPA Certified Remanufacture System or an EPA Verified Engine Upgrade.</p>
Government ⁵ Owned Ferries	Up to 100% ^{1,2,3}	
5. Ocean Going Vessels Shorepower		
NA		
6. Class 4-7 Local Freight Trucks (Medium Trucks) ⁷		
Eligible Medium Trucks	Maximum Funding Available	Summary of Requirements
Non-Government Owned Trucks	<p style="text-align: center;"><u>REPOWER:</u> Up to 40% of Diesel or Alt. Fuel Engine^{1,2} Up to 75% of All-Electric Engine³</p> <p style="text-align: center;"><u>REPLACEMENT:</u> Up to 25% of new Diesel or Alt. Fuel Vehicle Up to 75% of All-Electric Vehicle⁴</p>	<p>The vehicle to be replaced/repowered must:</p> <ol style="list-style-type: none"> 1) a truck, including commercial trucks, used to deliver cargo and freight (e.g., courier services, delivery trucks, box trucks moving freight, waste haulers, dump trucks, concrete mixers) with a GVWR between 14,001 and 33,000 lbs. 2) be engine model year 1992-2009 (or engine model year 1992-2012 for states with regulations requiring upgrades to vehicles engine model year 1992-2009), and 3) for replacement, the vehicle must be scrapped or for repower, the engine must be scrapped. "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. <p>The engine model year of the replacement vehicle/engine must be equal to the year in which the Eligible Mitigation Action occurs or one engine model year prior.</p>
Government ⁵ Owned Trucks	Up to 100% ^{1,2,3,4}	

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7. Airport Ground Support Equipment		
Eligible Equipment	Maximum Funding Available	Summary of Requirements
Non-Government Owned Equipment	<p>REPOWER: Up to 75% of All-Electric Engine³</p> <p>REPLACEMENT: Up to 75% of All-Electric Vehicle⁴</p>	<p>The equipment to be replaced or repowered with an all-electric version or engine must:</p> <ol style="list-style-type: none"> 1) powered by a diesel Tier 0, Tier 1, or Tier 2 engine, or 2) powered by an uncertified, or certified (to 3 g/bhp-hr or higher emissions standard) spark ignition engine, and 3) for replacement, the equipment must be scrapped or for repower, the engine must be scrapped. "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 equipment 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, if applicable. <p>The new piece of equipment or engine must be all-electric.</p>
Government ⁵ Owned Equipment	Up to 100% ^{3,4}	
8. Forklifts		
Eligible Forklifts	Maximum Funding Available	Summary of Requirements
Non-Government Owned Forklifts	<p>REPOWER: Up to 75% of All-Electric Engine³</p> <p>REPLACEMENT: Up to 75% of All-Electric Vehicle⁴</p>	<p>The forklift to be replaced or repowered with an all-electric version or engine must:</p> <ol style="list-style-type: none"> 1) possess greater than 8,000 lbs. lift capacity, and 2) for replacement, the forklift must be scrapped or for repower, the engine must be scrapped. "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 equipment 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, if applicable. <p>The new forklift or engine must be all-electric.</p>
Government ⁵ Owned Forklifts	Up to 100% ^{3,4}	

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9. Light Duty Electric Vehicle Supply Equipment			
Eligible EVSE	Battery Electric Vehicle or Fuel Cell Electric Vehicle	Maximum Funding Available	Summary of Requirements
Available to the Public at a Government ⁵ Owned Property	BEV EVSE	Up to 100%	EVSE can include: 1) Level 1, Level 2, or fast charging EVSE for battery electric vehicles, and/or 2) hydrogen dispensing equipment capable of dispensing hydrogen at a pressure of 70 megapascals (MPa) (or analogous successor technologies). Up to 15% of Trust Funds may be used on the costs necessary for, and directly connected to, the acquisition, installation, operation and maintenance of new light duty zero emission vehicle supply equipment. Trust Funds shall not be made available or used to purchase or rent real estate, other capital costs (e.g., construction of buildings, parking facilities, etc.) or general maintenance (i.e., maintenance other than of the Supply Equipment).
Available to the Public at a Non-Government Owned Property	BEV EVSE	Up to 80%	
Not available to the General Public at a Workplace	BEV EVSE	Up to 60%	
Not available to the General Public at a Multi-Unit Dwelling	BEV EVSE	Up to 60%	
Available to the Public	FCEV EVSE	EVSE Capable of Dispensing ≥250 kg/day: Up to 33% EVSE Capable of Dispensing ≥100 kg/day: Up to 25%	

10. DERA Option

Trust Funds may be used for the non-federal voluntary State match, pursuant to the State grant, rebate, and loan program (not the National Competitive Grant program), thereby allowing Beneficiaries to use such Trust Funds for actions not specifically enumerated in Appendix D-2, but otherwise eligible under DERA pursuant to all restrictive DERA guidance documents available through the EPA. Examples of eligible projects under DERA may include: early replacement and repower of nonroad vehicles and equipment (subject to numerous restrictions), retrofits with exhaust controls, and idle reduction technologies subject to numerous restrictions (e.g., stand alone idle reduction projects cannot be funded, except for installation on locomotives and truck stop electrification technologies). Additionally, under DERA, limitations for the majority of eligible projects only allow funding of up to 25% or 40% of a project's cost.

No funds awarded under DERA shall be used for fueling infrastructure, such as that used for the production and/or distribution of biodiesel, compressed natural gas, liquefied natural gas, EVSE (unless an all-electric vehicle project is funded, then a fraction of the cost of the infrastructure necessary to make the all-electric vehicle functional is an eligible expense) and/or other fuels.

Trust Funds shall not be used to meet the non-federal mandatory cost share requirements, as defined in applicable DERA program guidance, of any DERA grant.

1. Eligible costs include the cost of the diesel or alternative fueled engine and its installation.
2. Alternative fueled includes vehicles, engines and equipment powered by CNG, propane, or diesel-electric hybrid.
3. Eligible costs include the cost of the all-electric engine, its installation, and charging infrastructure associated with the new all-electric engine.
4. Eligible costs include the cost of the new replacement all-electric vehicle or equipment and charging infrastructure associated with the new all-electric vehicle or equipment.
5. "Government" shall mean 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.
6. Also includes privately owned school buses under contract with a Public School District.
7. Vehicle weight classes are defined as: Class 4 (14,001 - 16,000 lbs. GVWR); Class 5 (16,001 -19,500 lbs. GVWR); Class 6 (19,501 - 26,000 lbs. GVWR); Class 7 (26,001 - 33,000 lbs. GVWR); Class 8 (33,001 lbs. GVWR and over).