



# COMMONWEALTH of VIRGINIA

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## REQUEST FOR INFORMATION (RFI) VOLKSWAGEN CONSENT DECREE ENVIRONMENTAL MITIGATION PROJECT IDEAS ADDENDUM NO. 1 May 3, 2017

TO:	All Prospective Responders
FROM:	Virginia Department of Environmental Quality
RE:	RFI# 17-01-CP - Volkswagen Consent Decree Environmental Mitigation Trust Project Ideas
ISSUE DATE:	April 4, 2017
SUBJECT:	This Addendum for the above referenced RFI is issued for the purpose of <b>modifying</b> the information requested for light duty (LD) zero emission vehicle (ZEV) supply equipment projects and <b>extending</b> the due date for submitting responses.  <b>Additions</b> are shown in boldfaced and underlined, and <b>deletions</b> are highlighted and crossed out; there are no other changes to the RFI.
REFERENCE:	Cover page, Due Date
MODIFICATION:	<del>May 18, 2017 @ 11:59 PM EST</del> <b><u>May 31, 2017 @ 11:59 PM EST</u></b>
REFERENCE:	Pages 4-5, 2. Information Requested, Project Detail
MODIFICATION:	<b><u>Project Detail (Eligible Mitigation Project Category 1-8):</u></b> <ul style="list-style-type: none"> <li>▪ Provide information on specific engines/vehicles/vessels/equipment targeted for emission reductions, including (where applicable): number, class or equipment type, serial/VIN# of engine/vehicle/vessel, engine make, engine model, engine model year, engine family name, horsepower, displacement, current tier level or emission standards, fuel type, amount of fuel used, annual miles travelled or annual usage rate, annual idling hours, and the verification/certification process ensuring scrappage of engines/vehicles/equipment will be completed in accordance with Appendix D-2 of the VW settlement and CD.</li> </ul>

- Provide information on eligible verified and/or certified diesel emission reduction technology(s) to be implemented under the proposed project, including (where applicable): new technology type, new technology make, new technology model, new engine family name, new engine model year, new horsepower, new displacement, new tier level or emission standards, new fuel type, and annual idling hours reduced.
- Provide information on LD ZEV supply equipment (electric or hydrogen), including (where applicable): number, equipment type (Level 1/2/fast chargers or hydrogen dispensing), and location (public place, workplace, or multi-unit dwelling).
- Describe capacities to manage and implement a diesel reduction project, including demonstrated project experience and administrative and/or programmatic structures in place for implementing projects.
- Explain how you will certify/ensure that all vendors will be selected in accordance with applicable Virginia public contracting laws.
- Provide a projected timeline for the project.

**Capital and Project Costs (Eligible Mitigation Project Category 1-8):**

- Calculate and provide projected capital cost (\$/unit) and total project cost. Note calculations for proposed LD ZEV projects should include operation and maintenance cost, and calculations for eligible all-electric mitigation actions should include charging infrastructure cost (where applicable); and
- Identify projected cost share and, if applicable, what additional sources of funds may be utilized as matching funds.

**Expected Proposed Project Benefits (Eligible Mitigation Project Category 1-8):**

- Calculate and provide the expected annual and lifetime project emissions reductions/offsets for NO<sub>x</sub>, fine particulate (PM<sub>2.5</sub>), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), and volatile organic compounds (VOCs); and
- Calculate and provide capital cost effectiveness (\$/short ton of pollutant reduced for each unit) and total cost effectiveness (\$/short ton of pollutant reduced for the entire project).

Please calculate projected emissions reductions and capital and total cost effectiveness of proposed mitigation project using one of the following tools:

- Environmental Protection Agency's (EPA) Diesel Emissions Quantifier Tool: <https://www.epa.gov/cleandiesel/diesel-emissions-quantifier-deq>
- EPA's Motor Vehicle Emissions Simulator (MOVES2014a): <https://www.epa.gov/moves/moves2014a-latest-version-motor->

[vehicle-emission-simulator-moves](#)

- Argonne National Laboratory Alternative Fuel Life-Cycle Environmental and Economic Transportation (AFLEET) Tool (2016 rev1): <https://greet.es.anl.gov/afleet>
- Greenhouse gases, Regulated Emissions, and Energy use in Transportation Model (GREET 2012): [https://greet.es.anl.gov/carbon\\_footprint\\_calculator](https://greet.es.anl.gov/carbon_footprint_calculator)
- The Emissions & Generation Resource Integrated Database (eGRID 2014v2): <https://www.epa.gov/energy/emissions-generation-resource-integrated-database-egrid>

Identify the method(s) used to calculate the emissions reductions/offsets and cost, and describe and document your methods.

If an alternative method was used to quantify emission reductions/offsets and cost effectiveness for the proposed project, identify the alternative method and describe and document your methods.

**Project Detail (Eligible Mitigation Project Category 9 - LD ZEV Supply Equipment):**

- **Provide information on LD ZEV supply equipment (electric or hydrogen), including (where applicable): (1) quantity and location (public place, workplace, or multi-unit dwelling), 2) equipment type, and (3) assessment used to determine location including utilization of proposed ZEV supply equipment.**
- **Describe methods that will be used to track and verify estimated utilization of proposed LD ZEV supply equipment.**
- **Describe proposed installation and activation date of the infrastructure.**
- **Describe capacities to manage and implement a ZEV Supply Equipment project, including demonstrated project experience and administrative and/or programmatic structures in place for implementing projects.**
- **Explain how you will certify/ensure that all vendors will be selected in accordance with applicable Virginia public contracting laws.**
- **Provide projected itemized and total project cost including equipment and installation cost for proposed LD ZEV supply equipment project idea.**
- **Identify projected cost share and, if applicable, what additional sources of funds may be utilized as matching funds.**