



January 5, 2018

Ms. Tiffany Floyd  
Air Quality Division Administrator  
Department of Environmental Quality State Office  
1410 N. Hilton  
Boise, ID 83706

**RE: NGVAmerica Comments on the State of Idaho VW Beneficiary Mitigation Plan**

Dear Administrator Floyd:

Natural Gas Vehicles for America (NGVAmerica), the national trade association for the natural gas vehicle industry, respectfully submits the following comments on the State of Idaho (ID) Department of Environmental Quality's Volkswagen (VW) Beneficiary Mitigation Plan (Plan). These comments are in addition to the NGVAmerica comments submitted to you on May 9, 2017 (attached) regarding NGVAmerica's recommendations on how states can best use the Environmental Mitigation Trust (EMT or Trust) funds provided by the Volkswagen diesel emission settlement.

Idaho has a significant opportunity to use the VW Trust funds (\$17.35 million) to positively impact the future of its emissions from on-road and non-road vehicles. The proposed ID VW Plan aligns well with the goals outlined by the U.S. Department of Justice for the EMT. As Stated in the ID VW Beneficiary Mitigation Plan, "Idaho's strategy for implementing the trust is to select projects that improve and protect ambient air quality by achieving the following high level goals:

- Achieve significant and sustained reductions in diesel emission exposures in
  - Priority air quality areas
  - Areas that receive a disproportional amount of air pollution from diesel vehicles.
- Maximize the amount of diesel emissions reduced each year per dollar spent.
- Promote widespread acceptance of electric and hybrid vehicles (e.g. zero emission and near-zero emission vehicles and engines)."

In support of the State's high level goals stated above, NGVAmerica strongly encourages the Department of Environmental Quality to prioritize investments in natural gas zero emission equivalent (near-zero) vehicles since these vehicles are now commercially available in all the desired vehicle categories stated in the Plan, and can begin improving Idaho's air quality immediately at a much lower cost than other clean technologies (please refer to NGVAmerica's May 9, 2017 Comment Letter for additional information). NGVAmerica suggests that the third goal above be modified to include the natural gas near-zero engine.

## Current State Beneficiary Mitigation Plans

Sixteen states have released draft VW Mitigation Plans and NGVAmerica has reviewed these plans and offered comments to the states. NGVAmerica believes the Colorado Plan provides an excellent model for other states that wish to segment their funding, maximize the use of alternative fuels, and provide parity among alternative fuels ([https://www.colorado.gov/pacific/sites/default/files/AP\\_VW\\_Beneficiary\\_Mitigation\\_Plan.pdf](https://www.colorado.gov/pacific/sites/default/files/AP_VW_Beneficiary_Mitigation_Plan.pdf)).

In allocating its funds, Colorado did not pick a preferred fuel and kept the categories simple and broad. The \$18M set aside by Colorado for Alt Fuel Trucks/School and Shuttle Buses funds all alternative fuels at 40% of the vehicle cost for government and public entities, while private vehicles are funded at 25% of the vehicle cost (not the 75% allowed for EVs because that would use the funds for a smaller number of vehicles (reducing less NOx) and there are other sources for EV funding). NGVAmerica recommends that Idaho consider adopting a similar “parity” approach to alternative fuel vehicles.

Colorado has other funding they can apply to Transit, so it created a structure to augment the funding provided by the \$18M segment. Colorado also set aside \$12.2M in Flex Funds to support projects in the segments that turn out to be successful and oversubscribed. For the DERA option, liquefied natural gas (LNG) drilling rig and hydraulic fracturing engines, mining trucks and locomotives are potential projects.

## Additional Options for Vehicle Scrappage

NGVAmerica also recommends that the Idaho Department of Environmental Quality consider the following vehicle scrappage options in the Plan:

- Increase the options for scrappage beyond a strict replacement of a current fleet vehicle (e.g., allow a fleet to acquire an older vehicle from another fleet or allow a fleet to exchange one of its newer vehicles for another fleets older vehicle that is then scrapped)
- Since the Trust does not specify the fuel of the scrappage vehicle, allow older natural gas vehicles that meet the year criteria to be scrapped and replaced with new NGVs

## Use the Most Current Emissions and Cost Benefit Calculation Tools

Idaho’s draft plan indicates that the state intends to use the Diesel Emission Quantifier to assess the cost-effectiveness of different mitigation actions. We urge Idaho to also consider and allow the use of other available emission tools include Argonne National Laboratory’s AFLEET tool. The AFLEET tool provides more specific emission factors for alternative fuel vehicle and therefore is better suited to estimating the cost and benefits provided by projects that include alternative fuel vehicles. The AFLEET tool on all vehicles and fuels including in-use emissions data. The AFLEET Tool 2017 updates include:

- Added low-NOx engine option for CNG and LNG heavy-duty vehicles
- Added diesel in-use emissions multiplier sensitivity case

- Added Idle Reduction Calculator to estimate the idling petroleum use, emissions, and costs for light-duty and heavy-duty vehicles
- Added well-to-pump air pollutants and vehicle cycle petroleum use, GHGs, and air pollutants
- Added more renewable fuel options
- AFLEET Tool spreadsheet and user manual at: [http://greet.es.anl.gov/afleet\\_tool](http://greet.es.anl.gov/afleet_tool) and tool link is: <http://www.afdc.energy.gov/tools>

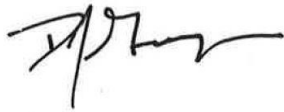
### Summary of NGVAmerica's Recommendations for EMT Funding

- ✓ Given that the EMT was created because of NOx pollution associated with non-compliant diesel vehicles, we believe that the funding should be set aside for clean, **alternative fuel vehicle projects that focus on maximizing NOx reduction for the funds spent**
- ✓ Provide a larger incentive and greater overall funding for medium- and heavy-duty engines that deliver **greater NOx reductions than currently required** for new vehicles and engines
- ✓ Target funding for technologies that have demonstrated the ability to deliver actual **lower in-use emissions** when operated in real-world conditions
- ✓ Provide the **highest level of funding to applications that produce the largest share of NOx emissions** (in most regions this means prioritizing for short-haul, regional-haul and refuse trucks)
- ✓ Prioritize funding for **commercially available products that are ready for use**
- ✓ Prioritize funding for **clean vehicles rather than fueling infrastructure**
- ✓ **Scale funding to incentivize the cleanest engines available** – at a minimum, provide parity among alternative fuels by following a version of the Colorado VW Plan that funds non-diesel alternative vehicles in the private sector at 25% of the cost of the vehicle and public sector vehicles at 40%
- ✓ Ensure that funding incentivizes adoption by **both public and private fleets**
- ✓ Prioritize projects that include **partnerships that provide a match** such as a CNG or LNG station being built in locations that will receive the VW funding
- ✓ **Accelerate the funding** in the early years to maximize the NOx reduction benefits
- ✓ Use vehicles emissions measurement tools that reflect current technologies and performance under real world operation duty cycles – **Argonne National Laboratory's AFLEET tool** is the most current

NGVAmerica and its members are eager to serve as a resource to assist the Idaho Department of Environmental Quality in its further evaluation and development of the state's proposed Beneficiary Mitigation Plan. We strongly encourage the state to recognize the unmatched role that natural gas vehicles can play in delivering NOx emissions reductions required by the settlement and Trust.

NGVAmerica welcomes the opportunity to meet with you to provide further information and analysis on the economic and environmental benefits of natural gas vehicles in Idaho. Please contact Jeff Clarke, NGVAmerica General Counsel & Director of Regulatory Affairs at 202.824.7364 or [jclarke@NGVAmerica.org](mailto:jclarke@NGVAmerica.org), or Sherrie Merrow, NGVAmerica Director of State Government Advocacy at 303.883.5121 or [smerrow@NGVAmerica.org](mailto:smerrow@NGVAmerica.org) to set up a meeting and for additional information.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. Gage', with a long horizontal flourish extending to the right.

Daniel J. Gage

President, NGVAmerica