

# NGVAMERICA

Natural Gas Vehicles for America

## NGVAmerica Volkswagen Settlement Webinar

May 23, 2018



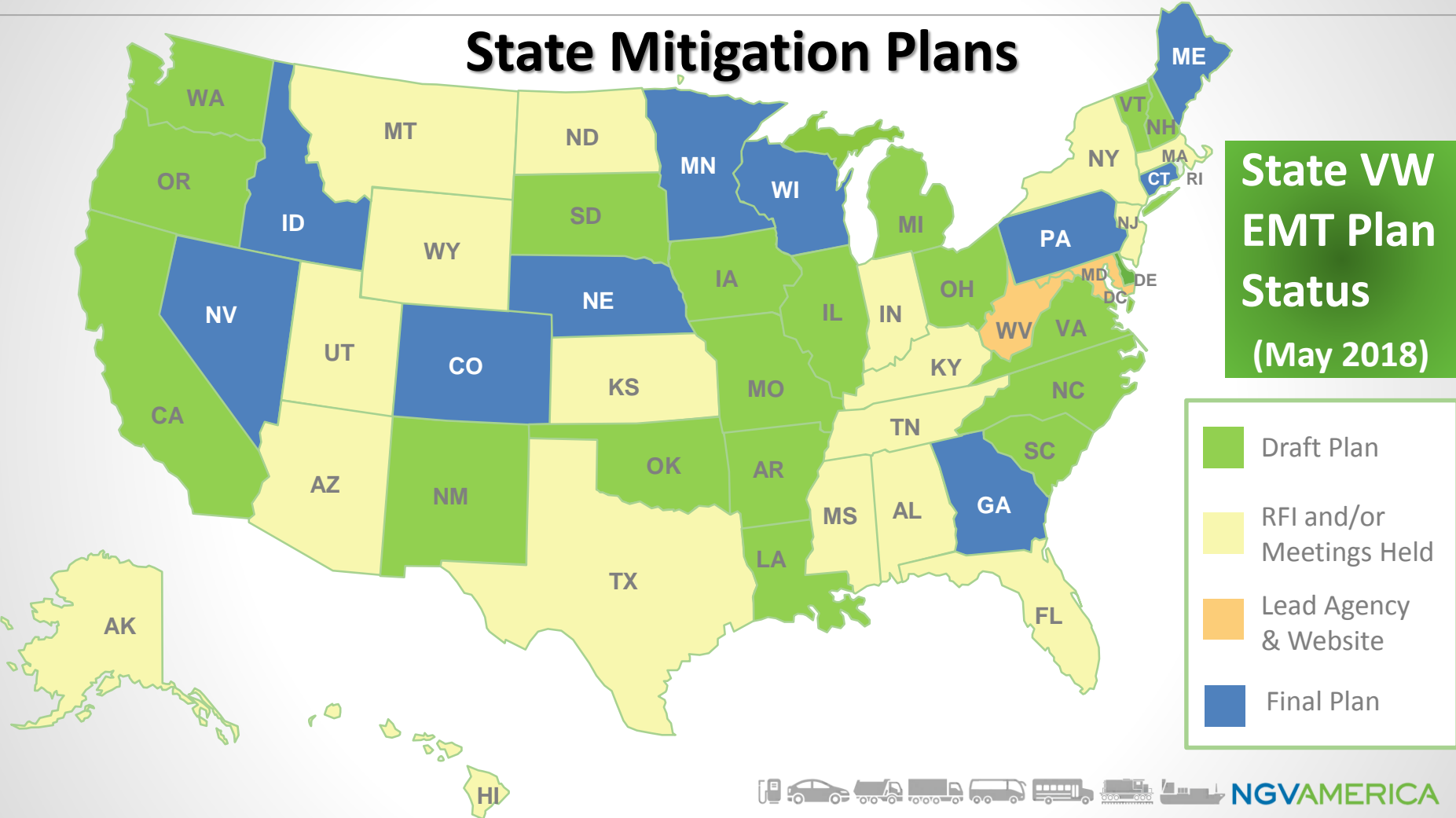
# Agenda

- ✓ **Update on state activities related to VW Settlement and development of their Beneficiary Mitigation Plans**
- ✓ **Review NGVAmerica resources and information on the website**
- ✓ **Argonne National Laboratory's Andy Burnham will review HDVEC tool and explain how to use it**
- ✓ **Q&A**

# Status of State VW Plans



# State Mitigation Plans



# State VW Plan Trends

- ✓ Most states have high-level goal of funding the projects that reduce the most NOx for the funds spent
- ✓ Most states allow all approved alternative fuel vehicles
- ✓ Many states have not designated the percentages for vehicle funding
- ✓ States with larger amounts of funding tend to have more segments (on-road, transit, school bus, non-road) of funding in their plan, while states with smaller amounts use “Flex Funds” as a segment and will evaluate each project according to their goals
- ✓ Most states will at least match their normal DERA funding
- ✓ Several states say they will use the Diesel Emission Quantifier tool to calculate emissions but this is outdated – Argonne AFLEET tool was updated in 2017 / HDVEC for VW in 2018
- ✓ Most States have opted to fund the 15% EV Light Duty Charging Option
- ✓ About half of the states have said they will use a portion of the funding to administer the program – a few mention 3<sup>rd</sup> party administration

# Sample State Plan Components

	AR	CO	CT	DC	DE	GA	ID	ME	MI	NE	NV	OH	OR	PA	VT	VA	WA
<b>Project Type</b>	\$14.6M	\$68.7M	\$55.7M	\$8.1M	\$9.6M	\$63.6M	\$17.3M	\$21M	\$64.8M	\$12.2M	\$24.8M	\$75.3M	\$72.9M	\$118.5M	\$18.7M	\$93.6M	\$112.7M
<b>On-Road</b>	85%	52.50%		53%		100% EV/D Transit	35%	25%		35%		45-50%	25% School Bus	20-40%	43%		≤ 45%
<b>Non-Road</b>							20%	40%				25-25%		35-55%	31% Includes DERA		≤ 5% Equip ≤ 5% RR ≤ 45% Mar
<b>DERA</b>		7.50%		38% D-Freight Switchers			15%	20%	4%	25%	5%			0-20%	11% (RR / Mar)		≤ 5%
<b>Flex Funds</b>		17.50%	85%		85%				72% DERA Type	25%	80%		75%			85%	
<b>EV Light Duty Charging</b>	15%	15%	15%		15%		15%	15%	14%	10%	15%	20-22% Includes Shore Power		15%	15%	15%	15%
<b>Administration</b>		7.50%		9%			15%		10%	5%		6-8%		15%			

# Best Example State Plan To Date

## Colorado VW Beneficiary Mitigation Plan

- ✓ Comprehensive information collection – public and among governmental groups
- ✓ Concise, innovative plan to enable achievement of goals of VW Settlement
- ✓ Using proven organizations to facilitate the plan (CDPHE, RAQC, CDOT)
- ✓ Percentages for funding create a reasonable parity among alternative vehicles
- ✓ No diesel except for heavy duty trucks from model years 1992-2001
- ✓ Draft Plan Goals:
  - Maximize the trust's air quality benefits in Colorado (reduce NOx, GHG, other pollutants)
  - Catalyze the adoption of zero emission and alternative fuel vehicles
  - Distribute funds quickly (within 5 years) - emphasis is on ready projects and will be "first come, first served"
  - Appropriately balance the cost of the project and emission reduction benefits
  - Focus on but not limited to areas of non-attainment, location of VWs and environmental justice communities

# CO VW Plan Components

## Funding Details (vehicles are OEM only and require scrappage)

- ✓ **\$18M** Alt Fuel Trucks/School and Shuttle Buses
  - New diesel only allowed for heavy duty trucks from model years 1992-2001
  - **Government and public entities funded at about 40% of total vehicle cost with caps**
  - **Private funded at about 25% of total vehicle cost with caps**
- ✓ **\$18M** Alt Fuel/EV Class 4-8 Transit Buses
  - VW funding to be combined with existing funds
  - Applicant per bus portion to be less than \$100,000
- ✓ **\$12.2M** Flex Funds to be used in response to market demand for eligible mitigation actions - to be spent after the initial allocations to other programs
- ✓ **\$5M** DERA option
- ✓ **\$10.3M** EV Chargers/infrastructure
- ✓ **\$5.2M** Admin Costs (RAQC to manage Trucks/Buses using Alt Fuels CO Program; CDOT to manage Transit)



# Resources



- ✓ Fund **alternative fuel** vehicle projects that focus on maximizing NOx reduction for the funds spent
- ✓ Provide larger incentives for engines that **deliver greater NOx reductions than currently required**
- ✓ Target funding for technologies that deliver **lower in-use emissions**
- ✓ Fund **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
- ✓ Incentivize adoption by both **public and private fleets**
- ✓ Prioritize projects that **provide a match**
- ✓ **Accelerate the funding** to maximize the NOx reduction benefits
- ✓ Use vehicles emissions measurement tools that reflect current technologies & actual performance – **AFLEET and HDVEC tools**

# NGV America VW Plan Priorities

## Colorado



### Lead Agency

Department of Public Health and Environment

### EMT Fund

\$66.7 million

### Action Deadline(s)

### Final Plan - Summary Details

In March 2016, the CDPE submitted a final Beneficiary Mitigation Plan to the Trust. The SIF provides the following funding allocation:

- \$12M Air Fuel Trucks/Buses (clean diesel only allowed for model years 1990-2001)
- \$12M NGV/EV Transit Buses
- \$12M Flex Funds (for projects that do not fit into funding categories)
- \$5M DERA option
- \$10M EV Chargers/Infrastructure
- \$5M Admin Costs (RA/QC to manage using Air Fuel CO Program)

Funds will likely flow to areas of non-attainment, location of VTRs and environmental justice, but location is not a specific criteria.

### Final Plan

Colorado Mitigation Fund Plan



### Where to Send Comments

Please send any comments about Colorado's implementation of the settlement to [cdpe.comments@state.co.us](mailto:cdpe.comments@state.co.us). CDPE and other agencies are currently developing a stakeholder outreach process to inform the public about the settlement and gather information and ideas.

NGVAmerica  
Comment Letter



Member Support  
Letter



Webinars, Meetings,  
Workshops



Colorado has one public meeting scheduled: September 18, 2017, 2:00 - 5:00 pm COOT HQ & Auditorium 4201 E. Arkansas Ave, Denver, CO 80222 - Map  
[Register Here](#)

Informational  
Website



# NGVAmerica VW Trust Action Center

([NGVAmerica.org/vw-trust-action-center](http://NGVAmerica.org/vw-trust-action-center))

- ✓ Consent Decrees
- ✓ Presentations
- ✓ Fact Sheets
- ✓ HDVEC Tool Access
- ✓ State Details
  - Lead Agency / Actions
  - Plans & Summaries
  - NGVA Submissions

# VW Wins in the States

- ✓ All states received Comment Letters from NGVAmerica
- ✓ Met with several states and are available for additional meetings
- ✓ Most state's VW goals include "Most NOx reduced for funds spent"
- ✓ "Zero or Near Zero emission" language used instead of just "Zero emission"
- ✓ New AFLEET and HDVEC emissions calculation tools added (NGVA work with Argonne Labs)
- ✓ "Commercially available" language added
- ✓ Clarified with EPA and communicated to states that LNG is included
- ✓ Created presentations and other collateral to support NGVA VW State Plan recommendations
- ✓ Added VW Trust Action Center to website and regularly provide updates
- ✓ Provided multiple general NGVA VW Workshops and organization specific VW Overviews
- ✓ Presented at multiple conferences and NGVA HHP Workshop
- ✓ Ongoing participation with NASEO on VW topics

# NGVAMERICA

Natural Gas Vehicles for America

## Contact Information

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<https://www.ngvamerica.org/vw-trust-action-center/>

