



Department of  
Environmental  
Conservation

# New York State

## Volkswagen Settlement Update Clean Transportation New York

October 21, 2021

NEW YORK STATE

# Clean Transportation NY

Using the Volkswagen Settlement to Drive Clean Transportation in New York

BENEFICIARY MITIGATION PLAN | September 5, 2018



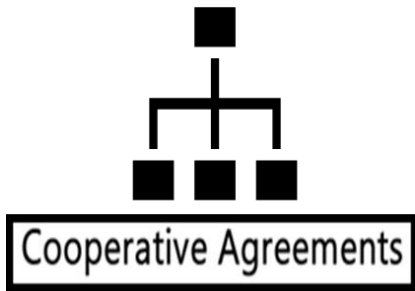
# Public Outreach and Stakeholder Input

- Over 190 comments submitted to the NYSDEC VW Settlement website; 6 public outreach events across the State with over 150 people attending
- Upon request, DEC held over 60 meetings with various organizations (environmental, transportation, environmental justice, industry, vehicle manufacturers, and state/local government)

# Mitigation Plan Objectives

- Reduce diesel exhaust emissions by replacing or repowering older diesel vehicles and engines with all-electric, alternative fueled, or diesel vehicles and engines
- Consider statewide air quality improvement goals. Prioritize those areas most impacted by diesel emissions, including Environmental Justice neighborhoods
- Accelerate the transition to a zero emission transportation system by promoting greater use of all-electric vehicles.





### Estimated New York State Funding by VW Settlement Mitigation Action Item

Eligible Mitigation Action Item	New York State Estimated Funding	Funding (%)	Anticipated # vehicles total/electric
Item 1: Class 8 Local Freight & Port Drayage Trucks	Up to \$11,500,000	Up to 9%	145/60
Item 2: Class 4-8 School Bus, Shuttle Bus, or Transit Bus	At least \$52,400,000	At least 40.5%	Up to 500/100+
Item 3: Freight Switchers	Up to \$8,000,000	Up to 6%	10/0
Item 4: Ferries/Tugs	Up to \$3,500,000	Up to 2.5%	12/0
Item 5: Ocean Going Vessels (OGV) Shorepower	\$0	0%	N/A
Item 6: Class 4-7 Local Freight Trucks	\$8,500,000	7%	265/65
Item 7: Airport Ground Support Equipment (Charging Equipment)	\$3,200,000	2.5%	77
Item 8: Forklifts and Port Handling Equipment	Up to \$1,000,000	Up to 1%	4/4
Item 9: Light Duty Zero Emission Vehicle Supply Equipment	\$19,200,000	15%	Tbd
Item 10: Federal Diesel Emission Reduction Act Option	Up to \$10,000,000	Up to 8%	300/0
Administrative Costs (excluding Item 9)	Up to \$10,900,000	Up to 8.5%	N/A
<b>Mitigation Trust Funding Totals</b>	<b>\$127,701,807</b>	<b>100%</b>	<b>Up to 1,313/229+</b>



Executed Cooperative Agreements (October 2021)			
MAI #	Project Name	CA #	Amount (w/adm)
1	NYSERDA Class 8 Trucks	11434	\$ 3,960,000.00
1	NYCDOT Class 8 Trucks	11728	\$ 5,775,000.00
2	NYPA Transit Bus EVSE	11699	\$ 11,456,000.00
2	NYSERDA eTransit Buses	11725	\$ 36,348,000.00
2	NYSERDA School Bus	11813	\$ 13,200,000.00
4	NYCDOT Staten Island Ferry Repower	12061	\$ 1,320,000.00
6	NYCDOT Class 4-7 Trucks	11728	\$ 4,075,500.00
6	NYSERDA Class 4-7 Trucks	11434	\$ 5,280,000.00
8	NYSERDA eCargo Handling	11912	\$ 990,000.00
9	NYSERDA REDC DCFC EVSE	11943	\$ 12,100,000.00
9	NYSERDA Charge Ready L2 EVSE	11863	\$ 5,500,000.00
10	PA-NYNJ Drayage Truck Replacement	11751	\$ 1,455,500.00
Total Obligated to Date VW Funds			<b>\$ 101,460,000.00</b>
NYS VW Allocation (w/o interest)			<b>\$ 127,701,807.00</b>

Pending Agreements: Airport eGSE, DCFC (NYPA), L2, eRefuse Truck (Total ± \$5.3 M)

Potential Agreements: Freight Switcher, eParatransit Shuttle Bus



# Highlights to Date

- NYC CTP
- Charge Ready, >700 Level 2 EVSE charging ports
- NYTVIP - transit and school buses, trucks





# Lessons Learned

- Scrappage Requirement: The fixed MY dates (2009 MY and older) becomes more difficult with time.
- Scrappage documentation: re-powers, missing engine tags
- Plan for Infrastructure, Need to Engage Utilities
- Include electrification and environmental justice goals within program design and agreement development
- Need for Program Flexibility (e.g., amendments)

# Updates

- Any NYS VW plan revisions:  
<https://www.dec.ny.gov/chemical/109784.html>
- Project Funding and Semi-Annual Reporting:  
<https://www.dec.ny.gov/chemical/118556.html>
- New York State EVSE Make Ready Program:  
<https://jointutilitiesofny.org/ev/make-ready>



# Thank You

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# NY Truck Voucher Incentive Program



# New York Truck Voucher Incentive Program

- NYTVIP provides point-of-sale discounts (vouchers) to reduce the cost of all-electric and alternative fuel trucks and buses
- Vouchers reduce the upfront purchase cost and accelerate or eliminate the payback period associated with cleaner vehicles
- Brings together vehicle manufacturers, dealers, and fleets to get cleaner trucks and buses on the road
- Scrappage ensures removal of the oldest, dirtiest diesel engines from New York State roads

# Funding Sources and Amounts

Funding Source	Vehicle Types	Amount
CMAQ	Class 3-8 Battery Electric Vehicles	\$10.0M
VW	Class 4-7 Trucks	\$4.8M
	Class 8 Trucks	\$3.6M
	Class 4-8 Electric Transit Buses	\$33.0M
	Class 4-8 Electric School Buses	\$5.5M
	Class 4-8 Propane & CNG School Buses	\$0.5M
	Non-road Port Cargo Handling Equipment	\$0.9M
	Total	\$58.3M

# Voucher Incentive Levels

Vehicle Type	Fuel Type	Incremental Cost %	Voucher Amount: Vehicle Weight Class (GVWR)					
			3	4	5	6	7	8
On-Road Trucks	BEV	95%	\$ -	\$ 100,000	\$ 110,000	\$ 125,000	\$ 150,000	\$ 185,000
	FCEV	95%	\$-	\$ 100,000	\$ 110,000	\$ 125,000	\$ 150,000	\$ 185,000
	PHEV	90%	\$-	\$ 55,000	\$ 60,000	\$ 70,000	\$ 100,000	<b>\$exhausted</b>
	HEV	90%	\$ -	\$ 25,000	\$ 35,000	\$ 45,000	\$ 50,000	<b>\$exhausted</b>
	CNG	90%	\$ -	\$ 30,000	\$ 40,000	\$ 50,000	\$ 55,000	<b>\$exhausted</b>
	Propane	90%	\$ -	\$ 30,000	\$ 40,000	\$ 50,000	\$ 55,000	<b>\$exhausted</b>
Transit Buses	BEV	100%	\$ -	\$ 100,000	\$ 125,000	\$ 150,000	\$ 250,000	\$ 385,000
	FCEV	100%	\$ -	\$ 100,000	\$ 125,000	\$ 150,000	\$ 250,000	\$ 385,000
School Buses	BEV	100%	\$ -	\$ 100,000	\$ 120,000	\$ 150,000	\$ 200,000	\$ 220,000
	CNG	90%	\$ -	\$ 30,000	\$ 40,000	\$ 50,000	\$ 55,000	\$ 60,000
	Propane	90%	\$ -	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000
Other Buses and Trucks	BEV	80%	\$ 60,000	\$ 90,000	\$ 100,000	\$ 110,000	\$ 120,000	\$ 150,000



# Voucher Activity in Process

- Applications for 165 vehicles received, approved, or paid for, totaling more than \$32 million
- 59 transit buses, 49 delivery trucks, 33 school buses, 13 tractors, 12 refuse trucks
- Mostly larger fleets
  - Transit operators
  - Delivery fleets
  - Large local trash haulers

	Vehicle Count by Fuel Type		
Vehicle Class	BEV	CNG	Total
Class 3	1		1
Class 4	3		3
Class 5	7		7
Class 6	13		13
Class 7	29	24	53
Class 8	67	21	88
<b>Grand Total</b>	<b>120</b>	<b>45</b>	<b>165</b>



# Thank you!

For more information, visit the  
NYTVIP website:

<https://nysenda.ny.gov/truck-voucher-program/>

Contact the Voucher Help Center: [NYTVIP@energycenter.org](mailto:NYTVIP@energycenter.org)