

CHICAGO AREA



CLEAN CITIES

Clean Vehicles Seminar

Electric Vehicle Charging



Volkswagen Settlement Update

Samantha Bingham

*Coordinator, Chicago Area Clean Cities
Clean Transportation Director, CDOT*



Supporting Local Action Through Incentives

Natural Gas



- Drive Clean Chicago
- Illinois Alternate Fuels Rebate Program
- Chicago Area Green Fleet Grant Program

E85



- Illinois Alternate Fuels Rebate Program

Biodiesel



- Illinois Alternate Fuels Rebate Program

Hydrogen



- Illinois Alternate Fuels Rebate Program

\$108,679,676

Propane



- Illinois Alternate Fuels Rebate Program
- Chicago Area Green Fleet Grant Program

Electric



- Drive Clean Chicago
- Illinois Electric Vehicle Infrastructure Rebate Program
- Illinois Alternate Fuels Rebate Program

Idling & Other



- Illinois Clean Diesel Grant Program
- Funding for school bus heaters and off-road engine repowers in Chicago area



Current Incentives in Illinois

Administered by: IL EPA

- **Chicago Area Green Fleet Grant Program (CMAQ) - \$7M**

www.IllinoisGreenFleets.org

- 50% of incremental or conversion cost CNG & Propane
- Class 1-3 up to \$10,000
- Class 4< up to \$20,000

- **Illinois Clean Diesel Grant Program (CMAQ + DERA)**

www.IllinoisGreenFleets.org

- Direct-fired heaters
- Engine repowers or engine upgrades to higher U.S. EPA tier for off-road
- Other projects

Darwin Burkhart, 217-524-5008, Darwin.Burkhart@Illinois.gov

Administered by: Chicago Dept. of Transportation

- **Drive Clean Chicago (CMAQ) - \$20M**

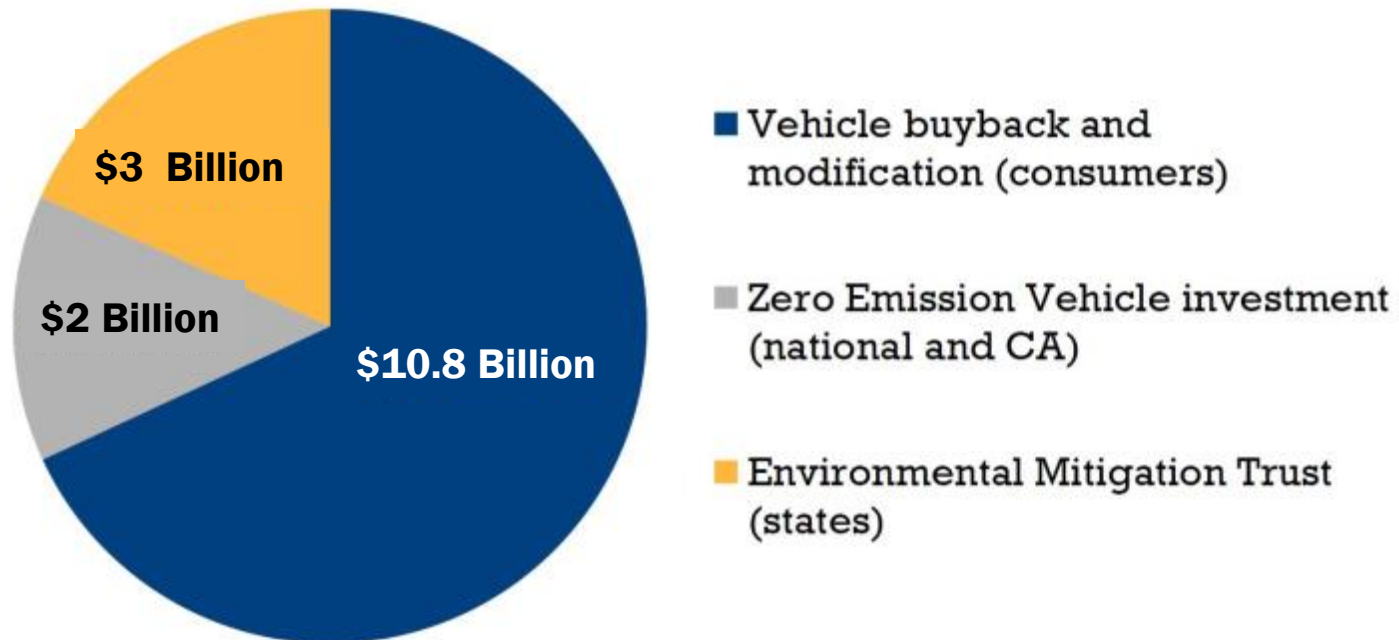
www.DriveCleanChicago.com

- 80% of incremental or conversion cost EV or HEV Class 2-8 vehicles
- Point of sale discount, leased or purchased vehicles

Volkswagen Settlement Overview

- U.S. EPA, AG and CARB filed a complaint against Volkswagen (VW) alleging Clean Air Act violations for approximately 580,000 model year 2009 to 2016 motor vehicles containing **2.0** and **3.0** liter diesel engines
- **\$14.7B** settlement for 475,000 **2.0 L** vehicles in October 2016
- **\$1B** settlement for 80,000 **3.0L** in February 2017

Settlement Breakdown



Environmental Mitigation Trust Summary

\$3 billion to support NOx reducing projects where violating VW vehicles

Eligible Beneficiary	Initial Allocations	Eligible Beneficiary	Initial Allocations	Eligible Beneficiary	Initial Allocations
Puerto Rico	\$ 7,500,000	Louisiana	\$ 18,009,993	Colorado	\$ 61,307,576
North Dakota	\$ 7,500,000	Kentucky	\$ 19,048,080	Wisconsin	\$ 63,554,019
Hawaii	\$ 7,500,000	Oklahoma	\$ 19,086,528	New Jersey	\$ 65,328,105
South Dakota	\$ 7,500,000	Iowa	\$ 20,179,540	Oregon	\$ 68,239,143
Alaska	\$ 7,500,000	Maine	\$ 20,256,436	Massachusetts	\$ 69,074,007
Wyoming	\$ 7,500,000	Nevada	\$ 22,255,715	Maryland	\$ 71,045,824
District of Columbia	\$ 7,500,000	Alabama	\$ 24,084,726	Ohio	\$ 71,419,316
Delaware	\$ 9,051,682	New Hampshire	\$ 29,544,297	North Carolina	\$ 87,177,373
Mississippi	\$ 9,249,413	South Carolina	\$ 21,636,950	Virginia	\$ 87,589,313
West Virginia	\$ 11,506,842	Utah	\$ 32,356,471	Illinois	\$ 97,701,053
Nebraska	\$ 11,528,812	Indiana	\$ 38,920,039	Washington	\$ 103,957,041
Montana	\$ 11,600,215	Missouri	\$ 39,084,815	Pennsylvania	\$ 110,740,310
Rhode Island	\$ 13,495,136	Tennessee	\$ 42,407,793	New York	\$ 117,402,744
Arkansas	\$ 13,951,016	Minnesota	\$ 43,638,119	Florida	\$ 152,379,150
Kansas	\$ 14,791,372	Connecticut	\$ 51,635,237	Texas	\$ 191,941,816
Idaho	\$ 16,246,892	Arizona	\$ 53,013,861	California	\$ 381,280,175
New Mexico	\$ 16,900,502	Georgia	\$ 58,105,433	Tribal Subaccount	\$ 49,652,857
Vermont	\$ 17,801,277	Michigan	\$ 60,329,906	Trust Cost Subaccount	\$ 27,000,000
				Tribal Cost Subaccount	\$ 993,057
				Total	\$ 2,700,000,000

INITIAL 3.0 LITER MITIGATION ALLOCATION APPENDIX

INITIAL SUBACCOUNTS	INITIAL ALLOCATIONS (\$)	INITIAL ALLOCATIONS (%)
Puerto Rico	\$ 625,000.00	0.28%
North Dakota	\$ 625,000.00	0.28%
Hawaii	\$ 625,000.00	0.28%
Mississippi	\$ 625,000.00	0.28%
West Virginia	\$ 625,000.00	0.28%
District of Columbia	\$ 625,000.00	0.28%
South Dakota	\$ 625,000.00	0.28%
Wyoming	\$ 625,000.00	0.28%
Alaska	\$ 625,000.00	0.28%
Delaware	\$ 625,000.00	0.28%
Arkansas	\$ 696,692.86	0.31%
Nebraska	\$ 719,535.25	0.32%
Maine	\$ 796,628.31	0.35%
Kansas	\$ 870,866.08	0.39%
Rhode Island	\$ 873,721.37	0.39%
Vermont	\$ 890,853.17	0.40%
Montana	\$ 1,002,209.81	0.45%
Iowa	\$ 1,022,196.90	0.45%
New Mexico	\$ 1,082,158.17	0.48%
Idaho	\$ 1,102,145.26	0.49%
Kentucky	\$ 1,330,569.15	0.59%
New Hampshire	\$ 1,370,543.33	0.61%
Alabama	\$ 1,396,241.02	0.62%
Oklahoma	\$ 1,835,957.01	0.82%
Louisiana	\$ 1,838,812.30	0.82%
Indiana	\$ 2,015,840.82	0.90%
Missouri	\$ 2,067,236.19	0.92%
South Carolina	\$ 2,258,541.20	1.00%
Nevada	\$ 2,618,308.82	1.16%
Utah	\$ 2,821,035.03	1.25%
Tennessee	\$ 3,352,120.57	1.49%
Minnesota	\$ 3,363,541.76	1.49%
Wisconsin	\$ 3,523,438.48	1.57%
Arizona	\$ 3,646,216.32	1.62%
Ohio	\$ 3,883,206.11	1.73%
Connecticut	\$ 4,085,932.31	1.82%
Michigan	\$ 4,477,108.22	1.99%
Maryland	\$ 4,668,413.23	2.07%
Oregon	\$ 4,728,374.50	2.10%
North Carolina	\$ 4,868,284.13	2.16%
Georgia	\$ 5,519,292.21	2.45%
Massachusetts	\$ 5,990,416.48	2.66%
Virginia	\$ 6,044,667.16	2.69%
New Jersey	\$ 6,886,980.25	3.06%
Colorado	\$ 7,432,342.28	3.30%
Pennsylvania	\$ 7,829,228.79	3.48%
Washington	\$ 8,788,609.12	3.91%
New York	\$ 10,299,062.08	4.58%
Illinois	\$ 10,978,623.15	4.88%
Florida	\$ 13,899,593.63	6.18%
Texas	\$ 17,377,347.34	7.72%
California	\$ 41,356,145.05	18.38%
TRIBES	\$ 4,795,063.51	2.13%
ADMIN	\$ 2,250,000.00	1.00%
TRIBAL ADMIN	\$ 95,901.27	0.04%
Grand Total	\$ 225,000,000.00	100.00%



Environmental Mitigation Trust Funds Anticipated for Midwest

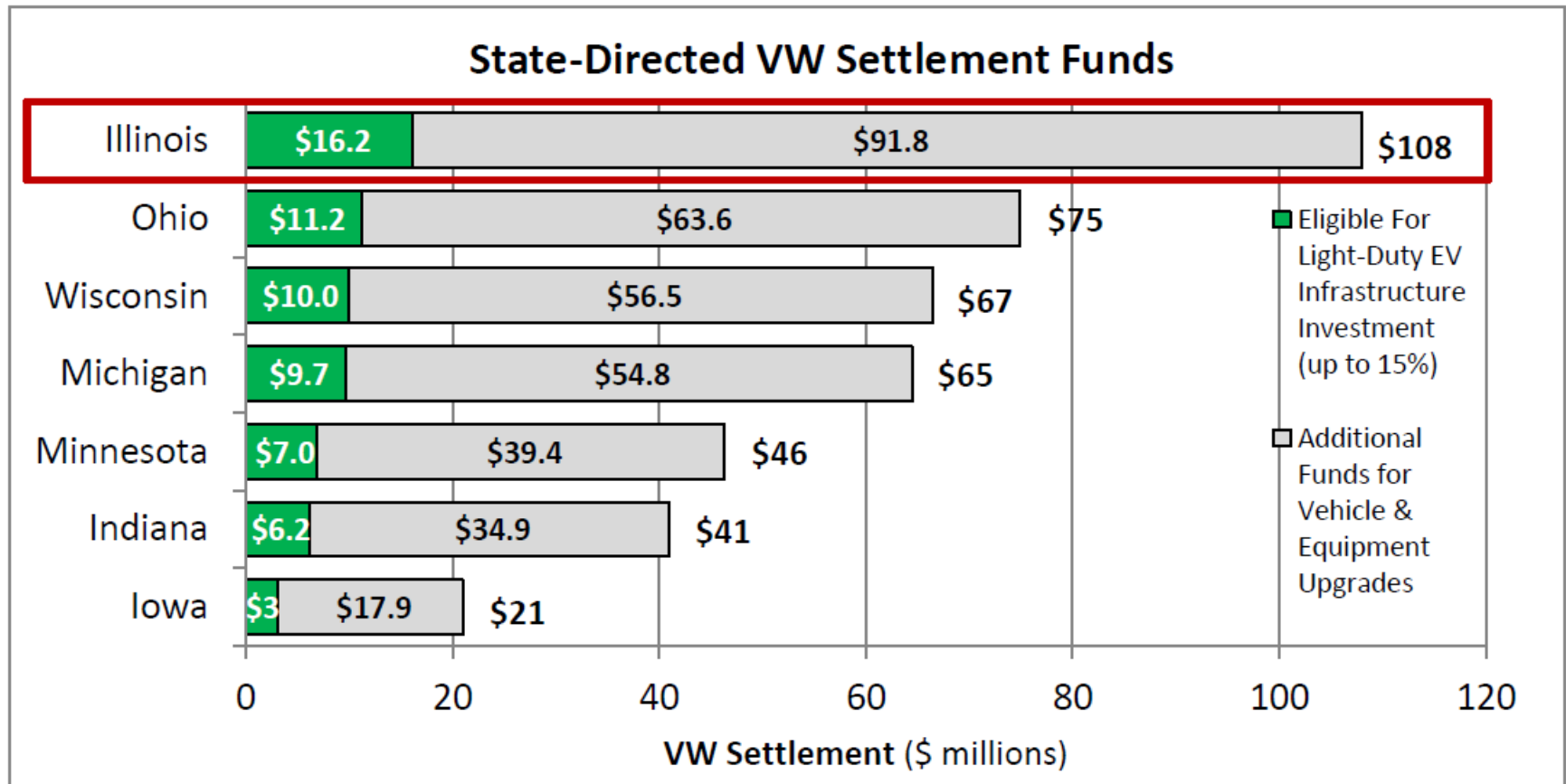


Table created by the Environmental Law and Policy Center

Environmental Mitigation Trust Summary

Each Beneficiary must submit a Beneficiary Mitigation Plan

- Overall goal for use of funds
- Categories of eligible mitigation actions included
- Description for how potential air quality benefits impact in areas that bear disproportionate share of air pollution burden in state
- Description of estimated emissions benefits expected from implementation plan

Ten eligible action options

Eligible vehicles/engines must be scrapped & replaced with ALTERNATIVE FUEL, ELECTRIC or NEW DIESEL option.

Up to 15% of the funds can be used for light duty EV charging stations or H2 fueling infrastructure

Environmental Mitigation Trust Summary

Possible Eligible Vehicle Classes and Equipment

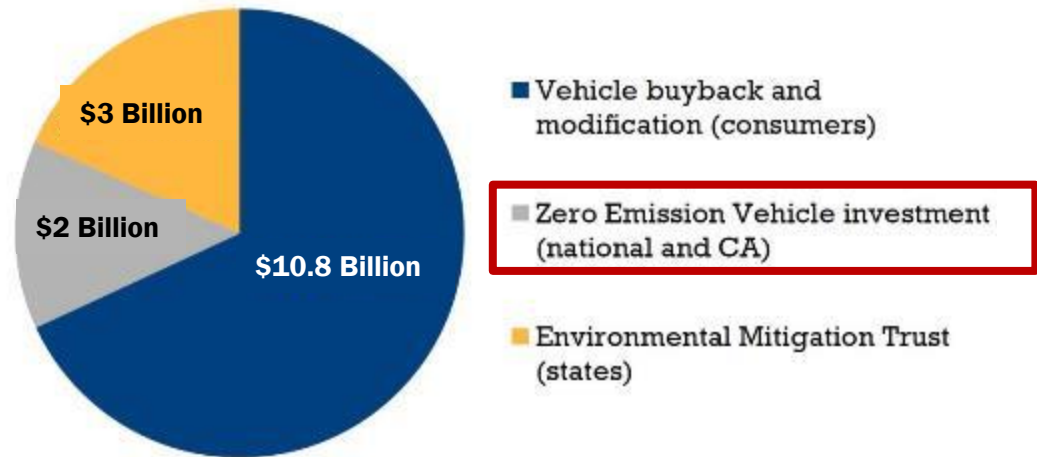
- Class 8 Local Freight Trucks / Port Drayage Trucks
- Class 4 – 8 School, Shuttle or Transit Bus
- Freight Switchers
- Ferries / Tugboats (marine)
- Class 4 – 7 Local Freight Trucks
- Airport Ground Equipment
- Forklifts
- Ocean Going Vessels Shorepower
- LD ZEV Supply Equipment
 - L1, L2 or Fast Charging Equipment
 - LD hydrogen fuel cell vehicle supply equipment

E.M. Trust - Qualifying Mitigation Actions

Qualified Mitigation Actions, Class 4-8 School Bus, Shuttle Bus, or Transit Bus (Eligible Buses)	Actions / Fuels NG, Diesel, Electric, Hybrids Repower, Replace	Target Years * 2006 or older	Funding Percentages Non-Government 40% / 25% / 75%	Funding Percentages Government 100%	Scrapping Required for Replacements Yes
Class 4-7 Local Freight Trucks (Medium Trucks)	Repower, Replace	2002 – 2006	40% / 25% / 75%	100%	Yes
Class 8 Local Freight Trucks (Eligible Large Trucks) Class 8 Port Drayage Trucks (Eligible Large Trucks)	Repower, Replace	1997 – 2006 1992 - 2006	40% / 25% / 75%	100%	Yes
Freight Switchers	Repower, Replace	Pre-Tier 1	40% / 25% / 75%	100%	Yes
Ferries / Tugs	Repower, Replace	Unreg, Tier1 or Tier2 engines	40% / 75%	100%	Yes
Ocean Going Vessels Shorepower	NA	NA	25%	100%	NA
Airport Ground Service Equipment	Repower, Replace	Tier 0, 1 or 2 diesel; gasoline (could not read the printout)	75%	100%	Yes
Forklifts	Repower, Replace	8,001 lb. lift cap.	75%	100%	Yes
LDV Zero Emission Supply Equipment (up to 15% of Trust Fund Allocation)	Repower, Replace	NA	25% - 80%	60 - 100%	NA
Diesel Emission Reduction Match Option	Repower, Replace		DERA details to be filled in later – see EPA DERA for more info.		Yes

Zero Emission Vehicle Investment Summary

Settlement Breakdown



- VW will spend **\$2 billion** over 10 years on actions that will support increased use of zero emission vehicle (ZEV) technology in the U.S.
 - **\$1.2 billion** outside California
 - **\$800 million** in California
- **Electrify America** will manage ZEV Investment Plan (4x30 month intervals)
 - Installing 300+ EVSE in 15 metro areas (L2 or DC Fast Chargers)
 - Developing high-speed, cross country network (DC Fast Chargers)
- VW's plan approved by USEPA and CARB

Clean Vehicles Seminar

Joe Koenig

*Public Relations Manager, Chicago Area Clean Cities
President, Make Ideas Reality Communications*



Please use **#CleanVehicles**
#CleanAir to live tweet
today and post pictures!



Follow CACC on Social Media



@ChiCleanCities



[www.facebook.com/
CACCCoalition](http://www.facebook.com/CACCCoalition)



Chicago Area Clean
Cities Coalition

Thanks to Our Sponsors!



Chicago Area Clean Cities' Annual Sponsor: Platinum

Green Jacket Sponsor

ComEd[®]

An Exelon Company

powering lives

Green Jacket Sponsor

OZINGA[®]

ENERGY

Green Jacket Sponsor



CHICAGO AREA



CLEAN CITIES

What you need to know about planning a successful EV Charging Station Project

Brian Howe

Project Manager, JNS Power



JNSH

Fast Charging: How to work with the electric utility

Vito Piceno

Design Construction Consultant

ComEd®

An Exelon Company

Thanks to Our Sponsors!



Chicago Area Clean Cities' Annual Sponsor: Platinum

Green Jacket Sponsors

ComEd®

An Exelon Company



Follow CACC on Social Media



@ChiCleanCities



[www.facebook.com/
CACCCoalition](http://www.facebook.com/CACCCoalition)



Chicago Area Clean
Cities Coalition

CHICAGO AREA



CLEAN CITIES