



EV LUNCH AND LEARN
MAY 8, 2019
SIERRA NEVADA BREWING

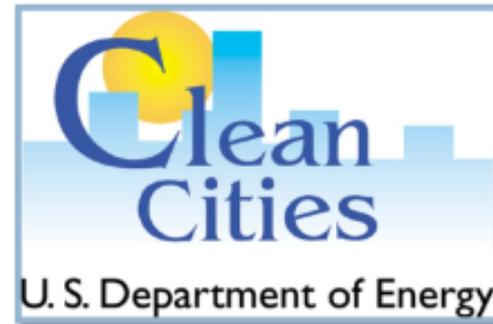
Bill Eaker – Coordinator

Chris Dobbins – Fleet Advisor

Ritchie Rozzelle – TDM Coordinator

Clean Cities Designation

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- ❑ **LOS Clean Vehicles Coalition Designated on July 27, 2012**
- ❑ **Clean Cities Program Goal:** support local partnerships to reduce petroleum use in US transportation sector, primarily by promoting cleaner, domestic fuels and vehicles
- ❑ **Support:** Networking, Funding Opportunities, Technical Assistance

Coalition Services

- Education, Outreach and Training
- Forum for Discussions and Networking
- Fleet Assessments & Technical Assistance
- Funding for Stakeholder Projects
- Stakeholder Recognition (Awards; Media including [Motor Week TV](#))

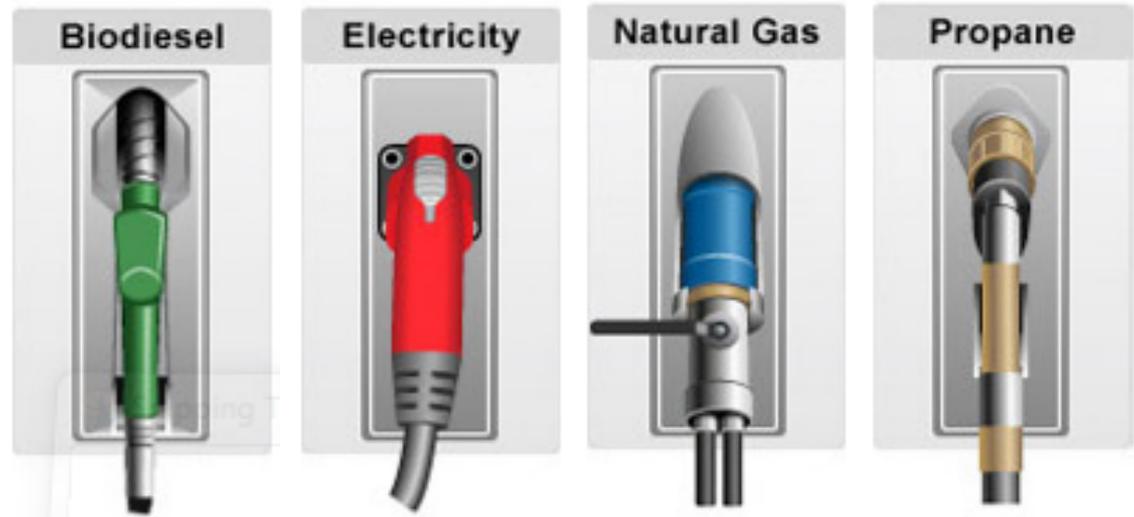


Clean Cities Alternative Fuels Portfolio



Alternative Fuels Promoted by CVC

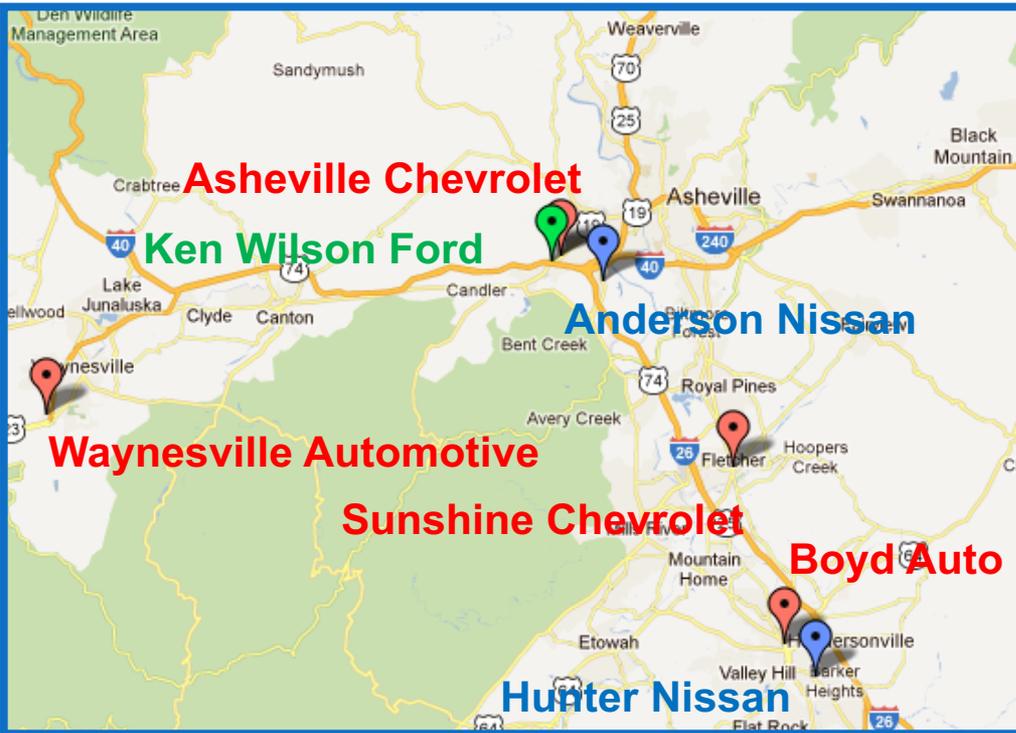
- Biodiesel
- Electricity
- Natural gas
- Propane
- Ethanol (E85)
- Hydrogen



- Portfolio now includes Idle Reduction, Fuel Efficient Vehicles (Hybrids) and VMT Reduction

Electric Vehicle Deployment

Dealerships are selling EVs in Region



Over 800 electric vehicles in the Asheville region and 13,639 in NC



Chevy Bolt

Ford CMAX Hybrid



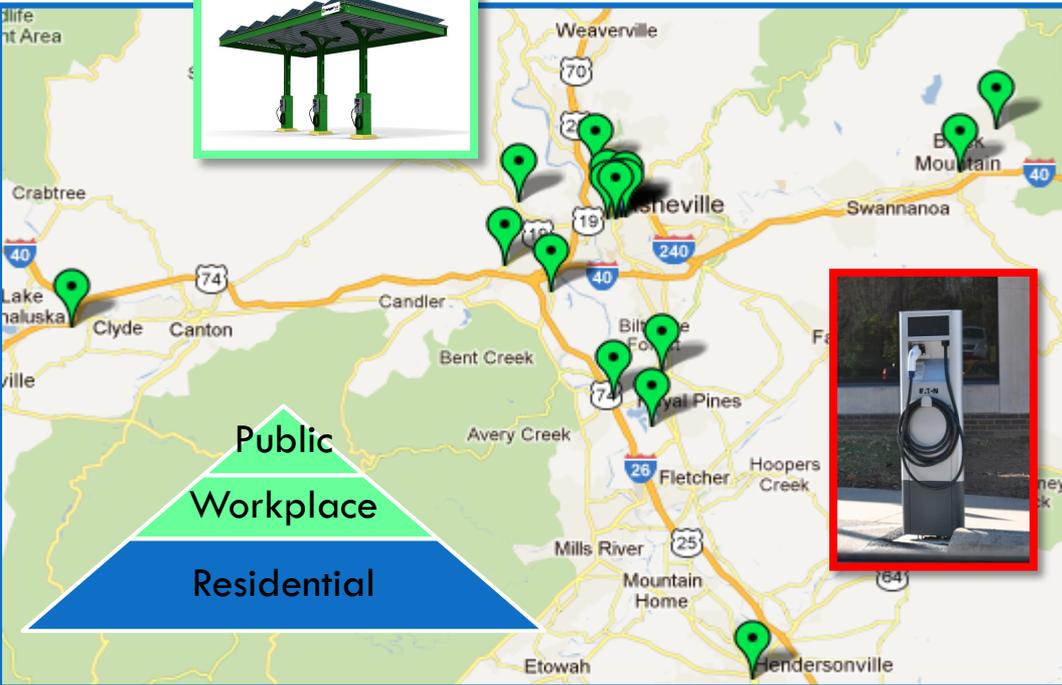
APD Chevy Volt



Charging Station Deployment

3

241 Public Access Charging Outlets
at **92** locations in the Asheville region (3-19)



Funding Opportunities

□ **VW Settlement**

- North Carolina - \$92 Million for Environmental Mitigation Trust (DEQ lead)
- Replace 1992-2009 Diesel Vehicles w new Clean Diesel, Propane, CNG, Hybrid, Electric or Hydrogen
- Old Diesel Vehicles must be Scrapped (3 inch hole in engine block & cut frame rails in half)
- Medium and Heavy Duty Transit, Shuttle and School Buses
- Medium and HD Local Freight Trucks
- EV Charging Stations (State can allocate up to 15% of Mitigation funds)
- **RFPs out Very Soon! Grant Application Workshop to Follow**

Phase 1: Environmental Mitigation Trust Plan

NC Grant Programs (2108-2020)	Eligible Action Category	Eligible Fuels	Targeted Percentage *	Targeted Funding Amount
School bus replacement program	School buses	Diesel - 25%	40%	\$12,272,754
		Natural gas & Propane - 10%		
		All-electric 5%		
Transit bus replacement program	Transit buses	All (diesel, propane, natural gas, electric)	20%	\$6,136,377
Clean heavy-duty on-road equipment program	Class Local Freight 4-8 trucks	All (diesel, propane, natural gas, electric)	10%	\$3,068,189
Clean heavy-duty off-road equipment program	Switcher locomotives, ferries, tugs, forklifts, port cargo handling equipment, ocean-going vessel shore power, airport ground support equipment, Diesel Emission Reduction Act (DERA)**	All (diesel, propane, natural gas, electric)	10%	\$3,068,189
ZEV infrastructure program		Not Applicable	15%	\$4,602,283
DEQ administrative costs		Not Applicable	5%	\$1,534,094
	Total			\$30,681,886

Funding Opportunities

- **Governor's EO80 and Zero Emission Vehicle Plan**
 - ▣ Goal of 80K ZEVs by 2025
 - ▣ Possible Funding for State Fleets and Others?

- **CFAT Grants from NC Clean Energy Technology Center**
 - ▣ Leases of new PEVs – 24 Non-Attainment Area Counties
 - ▣ EV Charging Stations (new or replacements) where no ground disturbance – All 100 Counties

- **Proposed Duke Energy Electric Transportation Pilot**
 - ▣ Charging Programs for Residential, Multi-family, Fleet, School and Transit Buses; and Public Level 2 and Fast Charging Stations

Thank You

□ For more information

□ Email

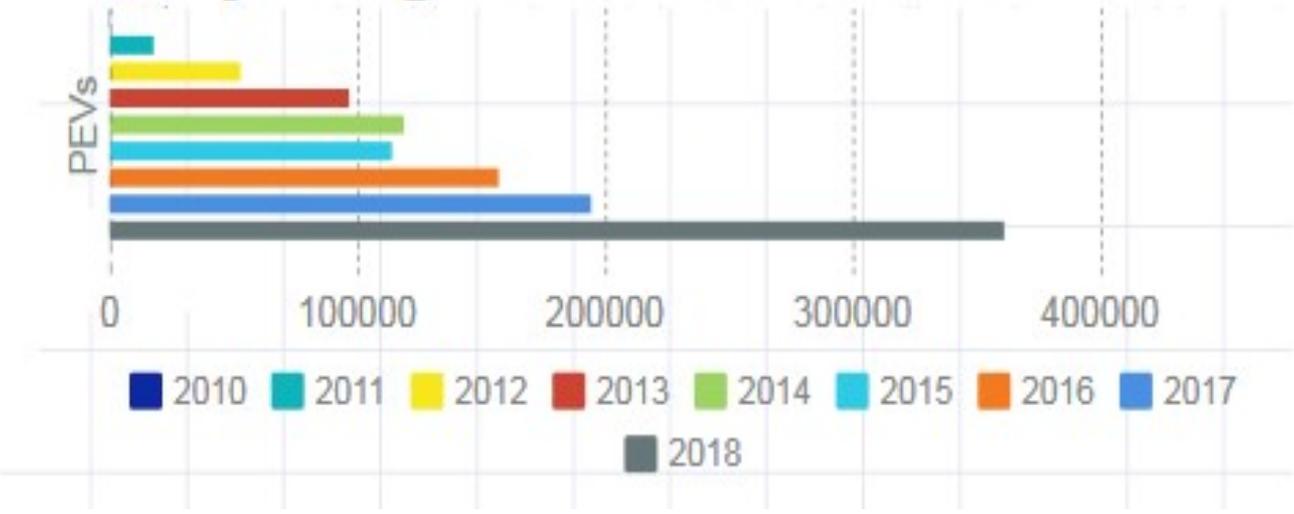
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□ Website - Cleanvehiclescoalition.org

□ Facebook — Land of Sky Clean Vehicles Coalition

Plug In Electric Vehicles

Yearly Plug-In Electric Vehicle Sales



Brightfield Charging Station

scross@brightfieldts.com

