



*Nevada Division of Environmental Protection*  
*Bureau of Air Quality Planning*

**Workshop to Solicit Comments on Proposed  
Amendments to  
Nevada Administrative Code Chapter 486A - FLEETS:  
USE OF  
ALTERNATIVE FUELS**



**June 8, 2016**

# Nevada Alternative Fuels in Fleets Program (NAC 486A)

- Created by NV Legislature in 1991 for air quality
- Applies to state & local gov. fleets over 50 vehicles in Clark and Washoe County
- Includes school districts, transit fleets, city and county general services, universities
- Requires 90% of new vehicles to be alternative fuel
- Includes all vehicles up to 26,000 lbs GVWR and all buses (school and transit)



# Nevada Alternative Fuels in Fleets Program (NAC 486A)

- Allowable fuel types listed below



- Also allow hybrids and EPA SmartWay 
- Annual reports on fuel use and vehicle acquisitions
- Law enforcement, fire & emergency exempted

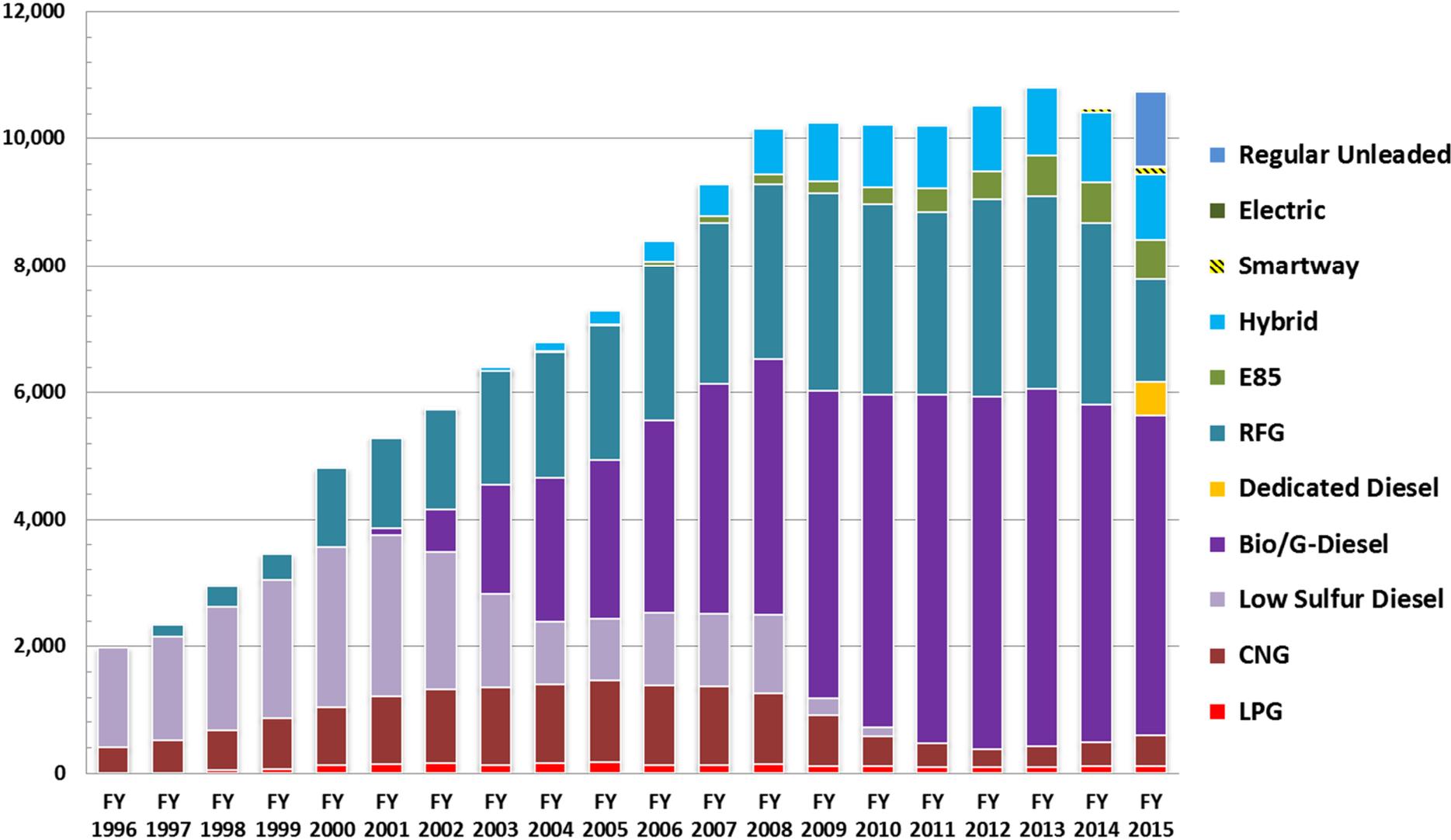


# Nevada Alternative Fuels in Fleets Program (NAC 486A)

- Variance from provisions can be granted by the NV Environmental Commission for:
  - ❖ Alternative fuel use would void warranty
  - ❖ Financial hardship
  - ❖ Lack of available alternative fuels or vehicles

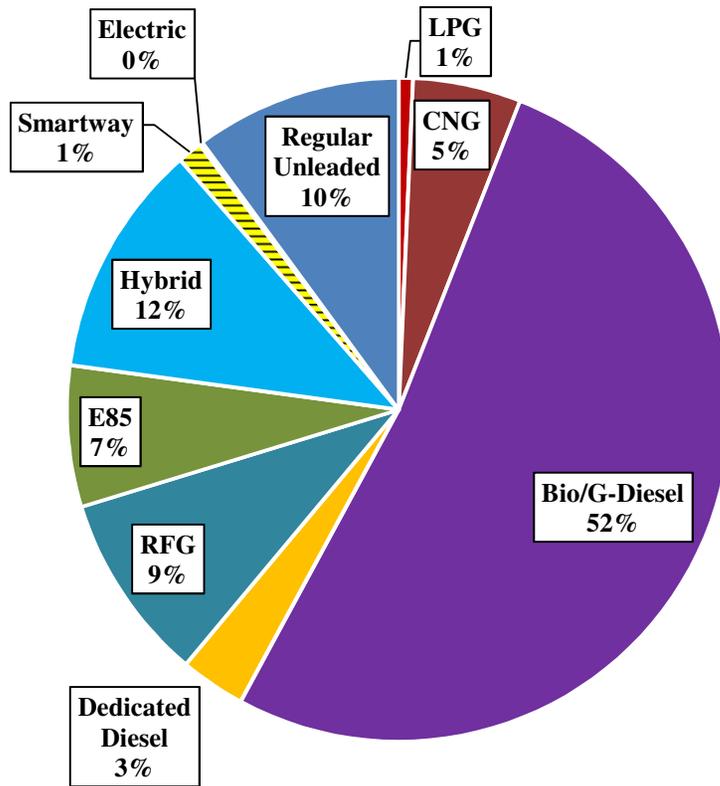


# NAC 486A Affected Vehicles by Fuel Type

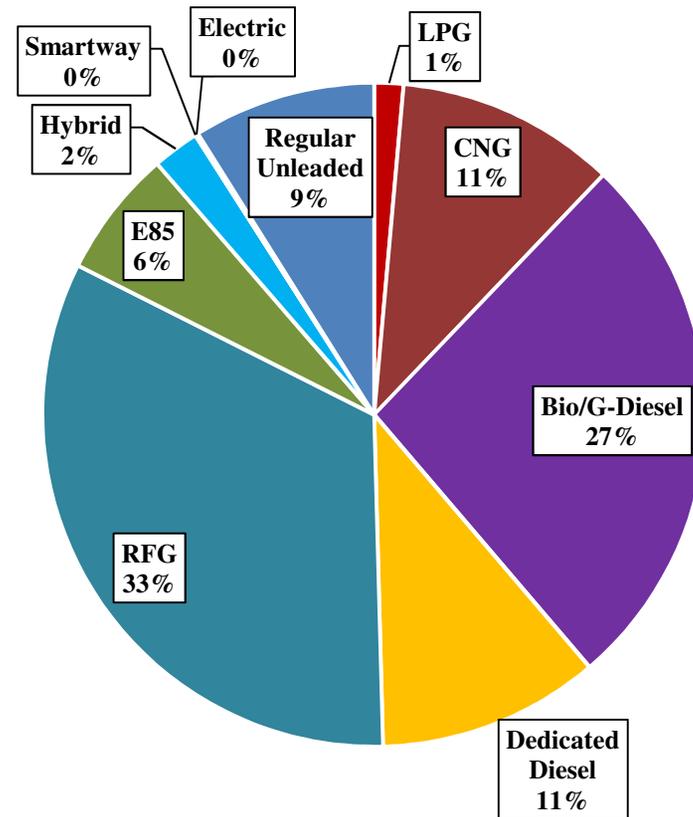


# Comparing FY2015 Regulated Fleets

## Clark County



## Washoe County



# NAC 486A has been out-of-step with developments in cleaner conventional fuels and clean vehicle technology

- Stricter federal emission standards for new light-duty and heavy-duty motor vehicles
- Cleaner conventional gasoline and diesel fuels mandated by federal regulation
- Program has adapted to hybrid and SmartWay vehicle technology, even though these vehicles use conventional gasoline



# Challenges to use of Alternative Fuels

- Private sector alternative fueling infrastructure never developed
- Difficulties in obtaining the alt fuel vehicles (US automakers stop producing CNG and Propane vehicles in 2004)
- Difficulties in obtaining the alternative fuels (RFG, G-Diesel, E85)
- Issues with reliability of alt fuel vehicles (NDOT Ford F150s converted to propane continually fail with no available parts to repair)



# Issue with Reformulated Gasoline

- A change in federal fuel standards that takes effect in 2017 will require all gasoline sold in the U.S. to meet the same standards as California Phase 3 reformulated gasoline (RFG)
- The conventional gasoline that will be required to be sold in NV and every other state will by federal mandate equal the highest emission-reduction standards in the world; there will be no cleaner alternative fuel for gasoline-powered engines.



# NDEP is Proposing a “Reset” of the NAC 486A Program in order to Modernize the Program and bring it in line with Current Technology and Fuel Standards

- Emphasizing other alternative fuels in place of RFG
- Recognizing that fully electric and plug-in electric hybrids are likely the next major trend in clean vehicle technology



# NDEP is Proposing a “Reset” of the NAC 486A Program in order to Modernize the Program and bring it in line with Current Technology and Fuel Standards

- Making practical changes to adapt to new federal fuel standards and to assist fleets with compliance
- Continue to support fleet usage of traditional alternative fuels



# The “Reset” includes these Changes:

- Eliminate RFG as an alternative fuel
- Grandfathering in existing RFG vehicles
- Change required acquisition percentage from current 90% to 20%
- Revise reporting requirements
- Add two diesel alternative fuels
- Provide incentives for electric and plug-in hybrid electric vehicle acquisitions
- Update definition of Clean Vehicle
- Other clean-up revisions
- Nothing proposed will negatively impact air quality



# Contact Information

## NDEP

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## State Environmental Commission

**Tentative SEC hearing date is October 12, 2016**

**Go to <http://www.sec.nv.gov/> for more information**

