

# Public Workshop: California Regulations and Test Procedures for Sand Cars

October 24, 2006

California Environmental Protection Agency



Air Resources Board

# Background and Regulatory Status

October 24, 2006



# Regulatory History

- Categorized as large spark-ignition (LSI) engines by ARB since the Board's adoption of LSI standards in 1998
- Vehicles considered as ATVs by U.S. EPA in 2002



# Recent Developments

- Industry approached staff after publication of off-highway recreational vehicle (OHRV) proposal for July 2006 Board Hearing
- Group of various manufacturers met with staff to help inform us of the industry and its specific concerns
  - Larger scale manufacturing new to industry
  - Very small-volumes (“cottage” industry)



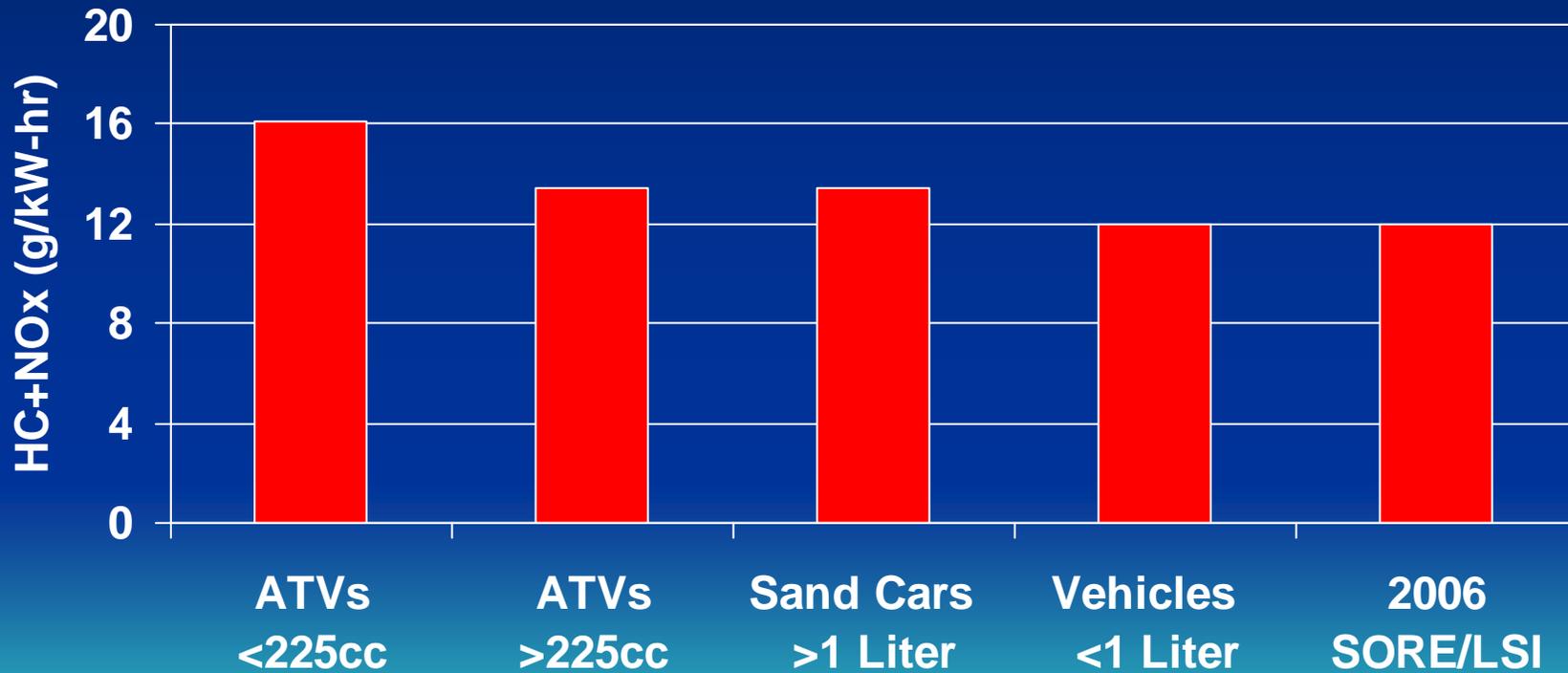
# Board Action

- Clarified Vehicle Definitions
  - ATVs: one- and two-seaters
  - Sport & Utility Vehicles
- Re-classified Sand Cars
- Maintained Exhaust Emission Standards
- Adopted Evaporative Emission Standards and Test Procedures



# Exhaust Standards Summary

## Engine-Based Emission Testing



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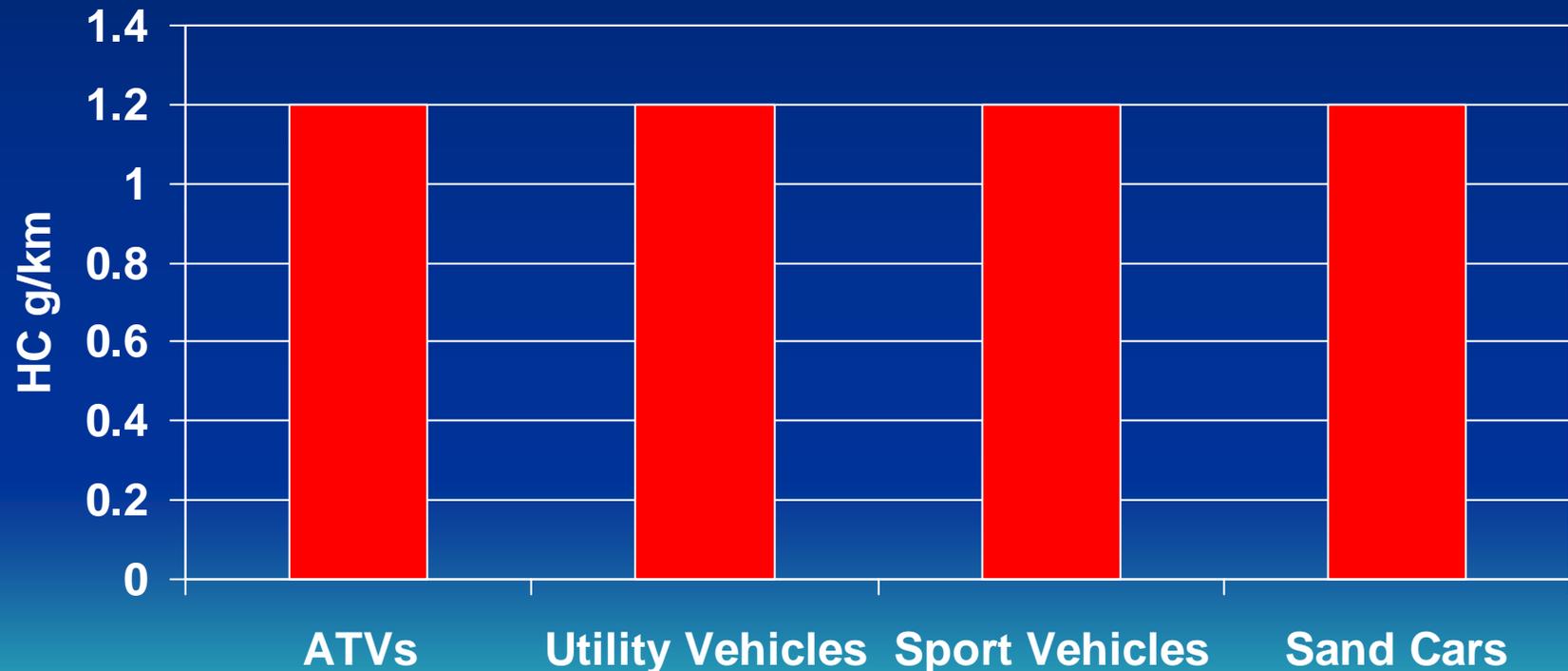
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# Exhaust Standards Summary

## Chassis-Based Emission Testing



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# Future Objectives

- Near Term
  - Assist manufacturers with compliance efforts
- Long Term
  - Evaluate potential for further exhaust and evaporative reductions



# Summary

- Including sport & utility vehicles and sand cars maintains emission reductions and reduces industry's burden
- Harmonizing with federal evaporative requirements reduces both emissions and industry's burden



# Divisions and Contact Persons Within the Air Resources Board

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CALIFORNIA  
AIR RESOURCES  
BOARD

REGULATORY:  
Off-Road  
Controls  
Section

CERTIFICATION:  
On-Road  
Certification/Audit  
Section

ENFORCEMENT:  
Mobile Source  
Enforcement  
Section

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# Off-Road Controls

- Determines feasible emission standards
- Meets with regulated industry
- Proposes new regulations or amendments to existing regulations



# On-Road Certification/Audit

- Guides manufacturers through certification process
- Processes certification application
- Issues Executive Orders



# Mobile Source Enforcement

- Inspects vehicles for compliance
- Issues “Cease and Desist” or “Notice of Violation” letters when appropriate
- Determines corrective action



# Contact Information

- Regulatory
  - Mr. Scott Rowland, Manager
    - (626) 575-6676 or [srowland@arb.ca.gov](mailto:srowland@arb.ca.gov)
- Certification
  - Mr. Duc Nguyen, Manager
    - (626) 575-6844 or [dnguyen@arb.ca.gov](mailto:dnguyen@arb.ca.gov)
- Enforcement
  - Mr. Gregory Binder, Manager
    - (626) 575-6843 or [gbinder@arb.ca.gov](mailto:gbinder@arb.ca.gov)

