

California Environmental Protection Agency

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**Public Workshop to Discuss  
Proposed Changes to the Vapor  
Recovery Equipment Defect List  
(VRED List)**

**March 4, 2015  
Sacramento, California**

# Important Information

- Presentation and Handouts Available at:  
[www.arb.ca.gov/vapor/vred/vred.htm](http://www.arb.ca.gov/vapor/vred/vred.htm)
- Emergency Exits, Evacuation, and Restrooms
- Email Comments to:  
[merrin.wright@arb.ca.gov](mailto:merrin.wright@arb.ca.gov)
- Join Vapor Recovery List Serve

# Today's Objectives

- Provide Overview of VRED List
- Review Proposed Changes
- Solicit Feedback



# ARB Authority and Requirements

- Health and Safety Code §41960.2(c)
  - Require ARB to identify and list equipment defects that substantially impair the effectiveness of the vapor recovery system in controlling motor vehicle emissions
  - Conduct a public workshop once every three years to review VRED List and update it as necessary
  - Review VRED List when a written request is submitted

# What Is a Defect?

- California Code of Regulations, Title 17, §94006 Defines a Defect as:
  - Did not exist when system certified
  - Having a verification procedure(s) to identify the defect
  - Having the potential to degrade fueling point or system efficiency by at least five percent



# Examples of Nozzle Defects



# Reasons for Updating List

- Phase II Executive Orders Signed Since 2012 Update
- Decertified or Expired Executive Orders
- Issues Discovered in the Field
- Combine All VRED Items Into One List

# How is the VRED List Used?

- Tag “Out of Order” Defective Components
- Repair, Replace, or Adjust Defective Components
- Protect Public Health



# ARB Staff Proposed Changes

- Summary of Changes (See Handout for Details)
  - Editorial changes/clarifying language
  - Nozzles that allow fuel dispensing when boot not compressed
  - VST Green Machine/HIRT Processor defects
  - Vapor return line defects added to balance Executive Orders

# VRED Items Not Affected by Update

- Aboveground Storage Tanks
  - No changes
- Bulk Plants
  - No changes

# Next Steps

- Send Comments on Proposed Changes to [merrin.wright@arb.ca.gov](mailto:merrin.wright@arb.ca.gov) by April 1, 2015
- Release Staff Report in August 2015
  - 45 day public comment period
- No Public Hearing is Scheduled Unless Requested
- Proposed Amendments Adopted and Published

# Contact Information

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# Questions?

