Proposed Modifications to the Heavy-Duty Vehicle Greenhouse Gas Emission Reduction Regulation
Overview: Current Regulation

• Effective January 1, 2010
• Reduces GHG emissions from long-haul tractors by improving
  – Tractor aerodynamics
    • Streamlined hood, sleeper cab roof fairings, gap fairings, fuel tank fairings, aerodynamic bumper & mirrors
  – 53’+ box-type trailer aerodynamics
    • Side skirts, front gap fairings, rear trailer fairings
  – Tire rolling resistance
    • Both tractors & trailers
• Based on elements of U.S. EPA SmartWay Program
• Found at http://www.arb.ca.gov/cc/hdghg/hdghg.htm
Current Tractor Requirements

• Tractors pulling 53-foot or greater box-type trailers in California
  – 2011+ model year (MY) sleeper cabs
    • SmartWay designated as of 1/1/2010
  – 2011+ MY day cabs
    • Low rolling resistance tires as of 1/1/2010
  – All pre-2011 MY sleeper cabs & day cabs
    • Low rolling resistance tires by 1/1/2013
Proposed Amendments for Tractors

• Harmonize with the federal Phase 1 GHG rule
  • Sunset the requirement that 2014 and newer sleeper-cab tractors be SmartWay Certified Models.

• Proposed amendments to current requirements in red:
  • 2011 thru 2013 model year (MY) sleeper cabs
    • SmartWay designated as of 1/1/2010
  • 2014+ MY sleeper cabs required to be equipped and maintained in federally certified OEM configuration
  • 2011+ MY day cabs
    • Low rolling resistance tires as of 1/1/2010
  • All pre-2011 MY sleeper cabs & day cabs
    • Low rolling resistance tires by 1/1/2013
Next Steps

• Comments and questions can be directed to:
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ADDITIONAL MATERIAL
Compliance Timeline

**Hard Deadlines**
- 2011+ MY sleeper tractors SmartWay certified
- 2011+ MY day cab tractors need LRR tires
- 2011+ MY trailers must be SmartWay certified or retrofitted
- Regulation effective

2009: 2011+ MY trailers need LRR tires
2010: Pre-2011 MY tractors need LRR tires
2011: Pre-2011 MY trailers aerodynamic compliance deadline (unless choose optional phase-in)
2012: Pre-2011 MY trailers need LRR tires
2013: Reefers with 2003 & later TRU
2014: 2003-2004 MY trailers must have LRR tires & aero
2015: 2005-2006 MY trailers must have LRR tires & aero
2016: 2007-2009 MY trailers must have LRR tires & aero
2017: 2010+ MY dry vans & reefers
2018: Optional Large Trailer Fleet Compliance Phase-In - Option 1
2019: Optional Large Trailer Fleet Compliance Phase-In - Option 2
2020: Optional Small Trailer Fleet Compliance Phase-In

**Optional Phase-Ins**
- Register Option 1 Large Fleet Compliance Plan 7/1/2010
- Register Option 2 Large Fleet Compliance Plan 6/1/2012
- Register Small Fleet Compliance Plan 1/1/2013

**LRR** = Low Rolling Resistance
**Aero** = Aerodynamic Equipment

* Applies to 53-foot or longer box-type trailers & the tractors that pull them
* Refer to fact sheets & regulation for more details, at www.arb.ca.gov/cc/hdghg/hdghg.htm
* Extended to June 1, 2012. 20% for Option 2 also extended to June 1, 2012.