

14-8-1

Steve Douglas 10/23/2014

LEV III Update

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STEVE DOUGLAS
SENIOR DIRECTOR, ENVIRONMENTAL AFFAIRS

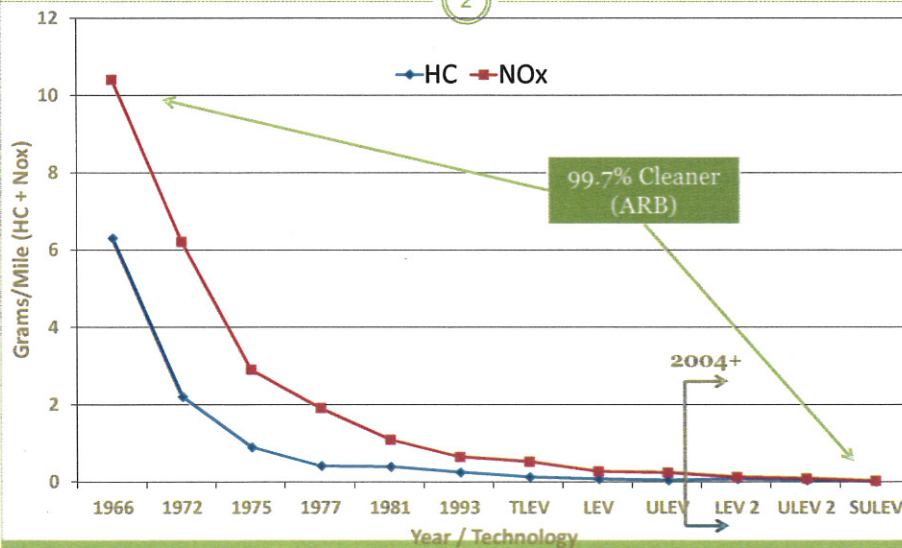


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LEV III Progress

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How clean are vehicles?

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...current tailpipe emissions of those pollutants are 99.7 percent cleaner than a car from the late 1960s.

ARB News Release, "ARB workshop signals start of process to envision car of the future"
March 1, 2010

"The air coming into the [car's] intake was more polluted than what was coming out of the tailpipe."

Jim Lents, former Executive Officer SCAQMD
"State Takes Sharp Turn on Emissions," Los Angeles Times, Sep 15, 2002,

"The proposed LEV III program requires new light-duty fleet emissions to be reduced to SULEV NMOG and NOx emission levels by 2025. **This represents an emission level that approaches the very low power plant emissions associated with the recharging of battery electric vehicles.**" (emphasis added)

ARB Advanced Clean Cars Initial Statement of Reasons, Page 43
December 7, 2011

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2015-2025: Historic Demands on Industry

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- 2015-2025 LEV III Criteria
 - 75% reduction in criteria emissions
 - Extend durability to 150,000 miles
 - Zero evaporative emissions all vehicles
 - 70% reduction in PM standards
 - New test procedures
- 2017-2025 GHG Standards
 - 4.5% annual (over TWICE historic rate of efficiency)/54.5 mpg average (cars & trucks)
 - Unprecedented technology introductions
- 2018-2025 ZEV
 - Plug-in HEV
 - Battery electric vehicles
 - Fuel cell vehicles

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Harmonization and Streamlining

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- **Areas of harmonization**
 - Standards
 - Phase-in
 - Fleet averages
 - Test procedures
 - Certification requirements
 - Fuel (certification)
- **Benefits both agencies and industry**
 - One vehicle, one fuel, one test, one certification
 - Reduced development, testing, facilities, administration
 - Equal or greater air quality benefit
 - Harmonization improves efficiency and reduces costs for agencies and industry

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Additional Improvements

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- **Work with Staff**
- **Return to Board in early 2015 with additional changes**

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Thank You

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