



State of New Jersey

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NJ Clean Car Program / Low Emission Program

BACKGROUND

In January 2004, New Jersey enacted the Clean Car Program under N.J.S.A. 26:2C-8.15 et seq. requiring the DEP to implement rules adopting the California Low Emission Vehicle (LEV) program to reduce criteria pollutant emissions and greenhouse gases emitted by motor vehicles in New Jersey. The specific law was P.L. 2003, 1.266. DEP promulgated LEV rules under N.J.A.C. 7:27-29 which become effective on January 27, 2006. The rules are applicable to light duty motor vehicles below 8,500 lbs Gross Vehicle Weight Rating (GVWR) manufactured for sale in New Jersey beginning model year 2009. It does not include medium-duty vehicles, off-highway vehicles, all terrain vehicles and motorcycles. The LEV program will reduce vehicle emissions, helping to reduce the adverse impacts that these emissions have on the ecological systems and human health.

REQUIREMENTS

In summary, there are four parts to the program:

1. California Emission Certified Vehicle Sales Requirement: This means that all such vehicles must have received an Executive Order from the California Air Resources Board (CARB) certifying that the vehicles are in compliance with the California Low Emission Vehicle rules in order to be legally sold in New Jersey. These rule are more stringent that EPA.
2. Zero Emission Vehicle (ZEV) Sales Requirement: The mandate requires 11 percent of all vehicles must be zero-emission vehicles (ZEVs) in 2009, increasing to 16 percent by model year 2017. ZEVs include true Battery Electric-powered Vehicles (BEV), Fuel Cell Vehicles (FCV), Enhanced Advanced Technology Partial Zero Emission Vehicle (Enhanced AT PZEV)- Plug-in hybrid Vehicle (PHEV), Advanced Technology Partial Zero Emission Vehicles (AT PZEV) or conventional gasoline Partial Zero Emission Vehicles (PZEVs).
3. Non-Methane Organic Gas (NMOG) Fleet Average Emissions Requirement: NMOG fleet average requirements for Passenger Car (PC) / Light Duty Truck 1 (LDT1) and Light Duty Truck 2 (LDT2) are gradually scaled down;
4. Greenhouse Gas Requirement: Fleet average requirement starting at 2009 Model year.

Low Emission Vehicle Standards

The diagram below shows the various emission standards from the most basic Low Emission Vehicle (LEV) to Zero Emission Vehicle (ZEV) standards:



Vehicle Emission Standard Definitions

ZEV	Any vehicle certified to zero-emission standards and has zero tailpipe emissions. Also known as a gold vehicle.		
	ZEV Tier	UDDS ¹ ZEV Range (miles)	Fast Refueling Capacity
	Neighborhood Electric Vehicle (NEV)	No minimum	N/A
	Type 0	< 50	N/A
	Type I	≥ 50, < 75	N/A
	Type 1.5	≥ 75, < 100	N/A
	Type II	≥ 100	N/A
	Type III	≥ 100	Must be capable of replacing 95 miles in ≤ 10 minutes
		≥ 200	N/A
	Type IV	≥ 200	Must be capable of replacing 190 miles in ≤ 15 minutes
	Type V	≥ 300	Must be capable of replacing 285 miles in ≤ 15 minutes
Enhanced AT PZEV	Advanced Technology Partial Zero Emission Vehicle is a PZEV that has an allowance of 1.0 or greater per vehicle without multipliers and make use of a ZEV fuel including electricity, hydrogen or compressed air capable of traveling some miles with zero emissions. Also known as a silver vehicle		
PHEV	Plug-in Hybrid Electric Vehicle is an Off-Vehicle Charge Capable HEVs.		
AT PZEV	Meets PZEV standards and has additional advanced technology components.		
PZEV	SULEV emission standards, plus 15 year / 150,000 mile warranty and zero evaporative emissions		
SULEV	90% cleaner than average new 2003 car		
ULEV	50% cleaner than average new 2003 car		
LEV	Least stringent standard		

¹ UDDS – Urban Dynamometer Driving Schedule

Where can I get more information?

Visit the following Web sites for additional information:

V:\..\NJZEV\2011 LEV Outreach\

DEP Rule Adoption: California Low Emission Vehicle (LEV) Program

<http://www.state.nj.us/dep/aqm/sub29.htm>

<http://www.nj.gov/dep/aqm/1997adop.htm>

Approval and Promulgation of Implementation Plans; New Jersey; Low Emission Vehicle Program- Proposed rule

<http://www.epa.gov/fedrgstr/EPA-AIR/2007/March/Day-21/a5157.htm>

Approval and Promulgation of Implementation Plans; New Jersey; Low Emission Vehicle Program –Final rule

<http://www.epa.gov/fedrgstr/EPA-AIR/2007/August/Day-27/a16815.htm>

Approval and Promulgation of Implementation Plans; New Jersey; Zero Emission Vehicle Component of the Low Emission Vehicle Program – Proposed rule

<http://www.epa.gov/fedrgstr/EPA-AIR/2007/September/Day-04/a17411.htm>

Approval and Promulgation of Implementation Plans; New Jersey; Zero-Emission Vehicle Component of the Low Emission Vehicle Program

AGENCY: Environmental Protection Agency (EPA). ACTION: Final rule.

<http://www.epa.gov/fedrgstr/EPA-AIR/2008/February/Day-13/a2553.pdf>

DEP Rule Adoption: California Low Emission Vehicle (LEV) Program

<http://www.state.nj.us/dep/aqm/sub29.htm>

http://www.nj.gov/dep/rules/adoptions/njlev_web_oal_1.pdf

Approval and Promulgation of Implementation Plans; New Jersey; Low Emission Vehicle Program- Proposed rule

<http://www.epa.gov/fedrgstr/EPA-AIR/2007/March/Day-21/a5157.htm>

Approval and Promulgation of Implementation Plans; New Jersey; Low Emission Vehicle Program –Final rule

<http://www.epa.gov/fedrgstr/EPA-AIR/2007/August/Day-27/a16815.htm>

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Please note this advisory is intended to be a summary explanation of a DEP implementation rules. It does not include all potentially applicable requirements. If you have any questions about complying with this initiative, please contact the Low Vehicle Emission Program number listed above.