



Oregon Low Emission Vehicles

Oregon Low Emission Vehicles 2013 Update

Environmental Quality Commission
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Oregon Low Emission Vehicles

Clean Air Act:

Only California may develop their own vehicle emission standards, but

Other states may adopt CA's standards.

States need to adopt CA regulations identically.

Whenever CA revises their rules, opt-in states need to update their rules to match.

Oregon needs to incorporate 2012 changes.

Oregon Low Emission Vehicles

Background:

In 2004, CA adopted Greenhouse Gas emission limits for new 2009 to 2016 light-duty vehicles.

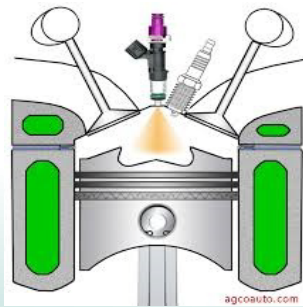
Oregon and 11 other states “opted in” to CA’s rules.

GHG rules reduced vehicle operating costs producing substantial savings (improved vehicle efficiency).

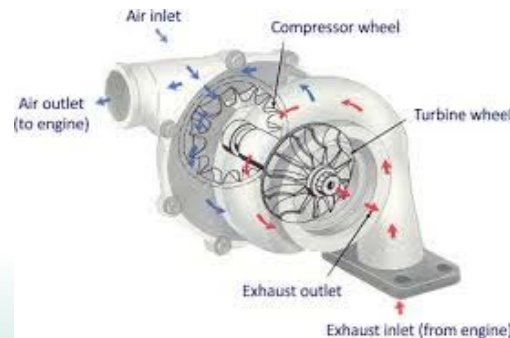
EPA adopted similar emission limits nationwide.

Oregon Low Emission Vehicles

Advancing technology and high fuel prices make deeper emission reductions cost effective:



Direct injection



Small engine
turbocharging



Dual clutch
transmissions

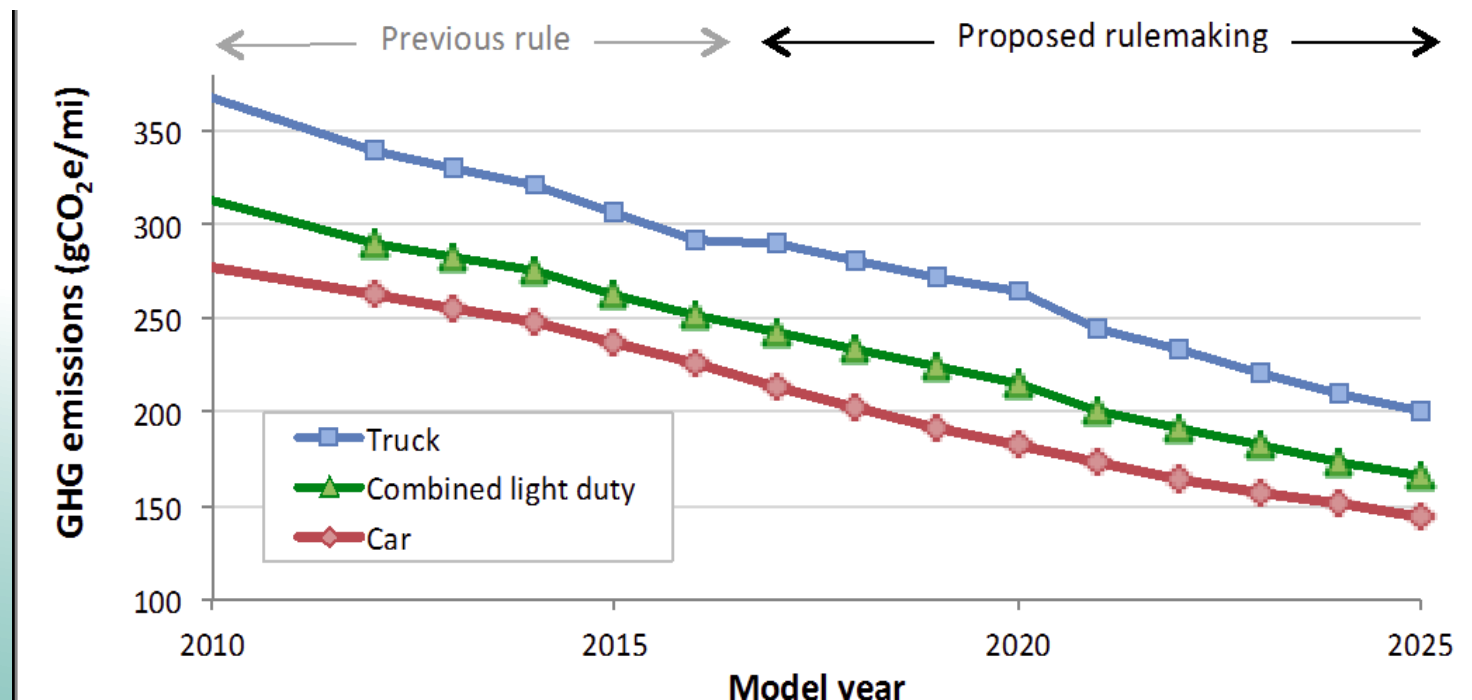
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Negotiated rules for 2017 to 2025



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Emission Reductions from GHG Standards



Equivalent combined mpg:

2008 = 26 mpg 2016 = 35 mpg 2025 = 54 mpg

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Reductions needed to meet Oregon's GHG goals

Why does Oregon need LEV III?

To protect against repeal of federal rules.

Other LEV III states: California, Connecticut, Delaware, Maine, Maryland, Massachusetts, New Jersey, New York, Rhode Island, Vermont and Washington.

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LEV III rules produce further savings:

Average vehicle cost in 2025  \$1900

Operating costs in 2025  \$5900

Average vehicle life savings = \$4000

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Zero Emission Vehicles

Nissan Leaf

Battery Electric Vehicle

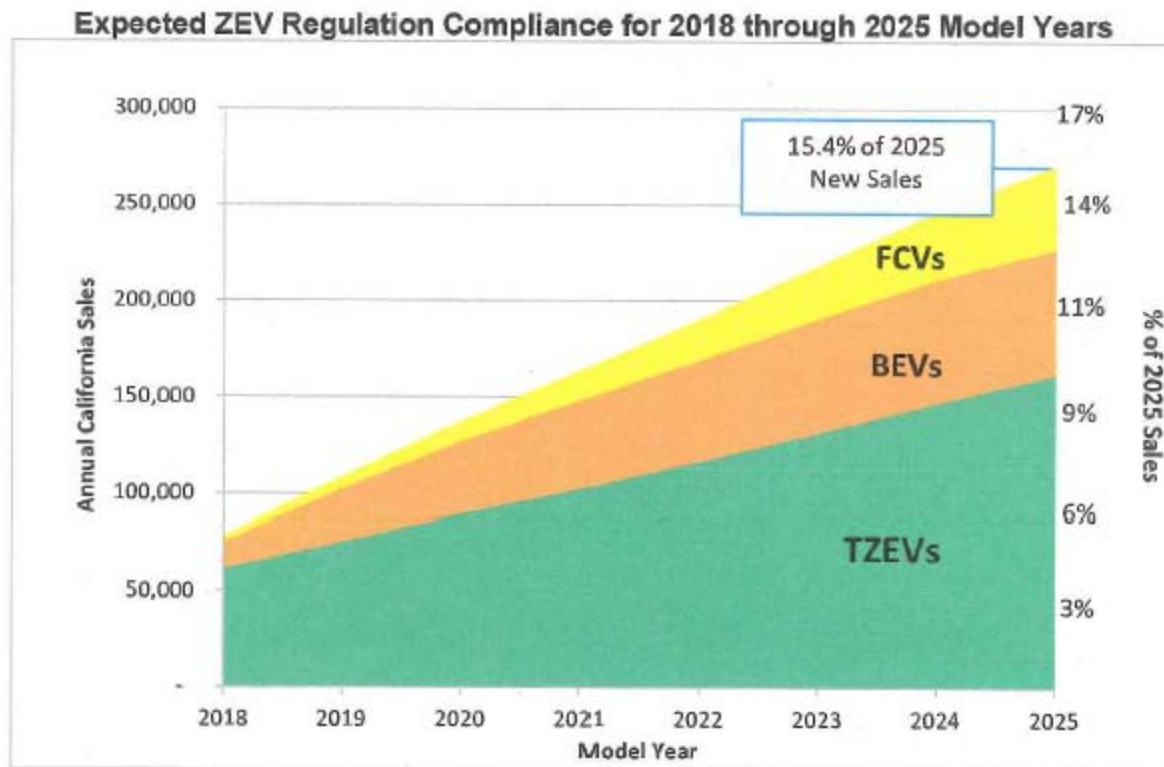
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Plug-in Hybrids:
Toyota Prius Plug-in (foreground)
Chevy Volt (background)

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Projected ZEV Sales in California



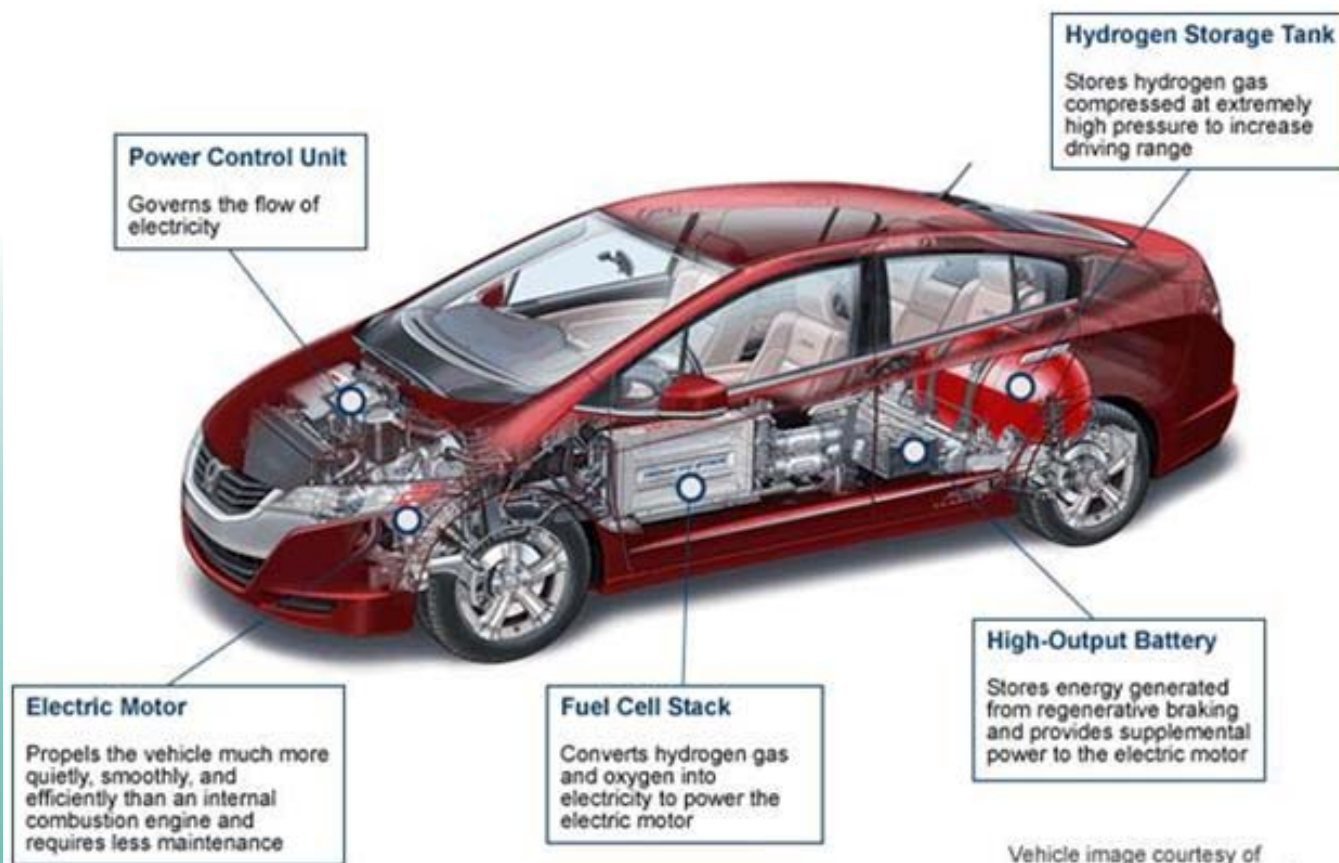
FCVs = Fuel Cell Vehicles
BEVs = Battery Electric Vehicles
TZEVs = Transitional ZEVs (Plug-in Hybrids)

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Many compliance options



Vehicle image courtesy of
American Honda Motor Co., Inc.

Oregon Low Emission Vehicles

Oregon auto dealers expressed concern in 2012

DEQ postponed rulemaking

DEQ resumed rulemaking this year

All other ZEV states adopted rules

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Governor supports electric vehicles

ZEV Interstate Memorandum of Understanding:

Eight states collaborating to remove EV barriers

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Public comments

39 Support

11 Oppose

Technical comments

Dealers did not comment



State of Oregon
Department of
Environmental
Quality

Oregon Low Emission Vehicles

