

# The Multi-State ZEV MOU: Overview and Status Update

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# ZEV Program States MOU



## State Zero-Emission Vehicle Programs Memorandum of Understanding

WHEREAS, the Signatory States have adopted regulations requiring increasing sales of zero-emission vehicles (ZEVs), or are considering doing so; and

WHEREAS, accelerating the ZEV market is a critical strategy for achieving our goals to reduce transportation-related air pollution, including criteria air pollutants, mobile source air toxics and greenhouse gas emissions (GHGs), enhance energy diversity, save consumers money, and promote economic growth; and

WHEREAS, our states are committed to reducing air pollution, including the emission of GHGs and other air pollutants from the mobile source sector; and

WHEREAS, many of our states have obligations or otherwise seek to reduce GHGs consistent with science-based targets by 2050; and

WHEREAS, motor vehicles are among the largest sources of GHGs and criteria air pollutants that adversely affect the health and well-being of our citizens in all of our states; and

WHEREAS, providing transportation alternatives such as ZEVs will help improve air quality, reduce the use of petroleum-based fuels in the transportation sector, protect consumers against volatile energy prices, and support the growth of jobs, businesses and services in a clean energy economy; and

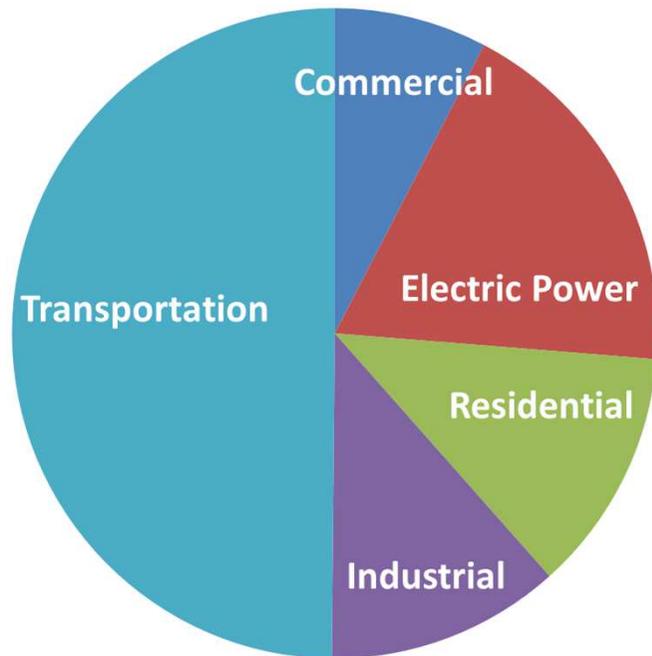
WHEREAS, an increasing variety of vehicles that operate on hydrogen and low-cost electricity are commercially available and have the potential to significantly reduce emissions of criteria pollutants and GHGs, enhance consumer choice, and allow for home fueling; and

In October 2013, eight Governors announced an initiative to put 3.3 million ZEVs on their roads by 2025 in order to:

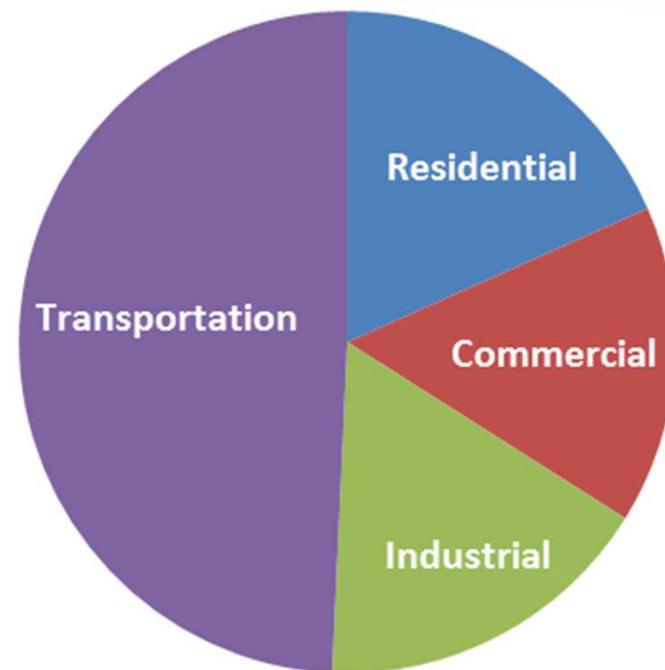
- Reduce GHG emissions
- Improve air quality and public health
- Enhance energy diversity
- Save consumers money
- Promote economic growth

# Transportation Impacts in the ZEV MOU States

2010 GHG Emissions by Sector



2011 Energy Use by Sector



Source: EIA

# MOU Key Commitments

- Harmonize building codes to make it easier to construct new electric car charging stations
- Lead by example by including zero-emission vehicles in public fleets
- Evaluate and establish, where appropriate, financial and other incentives to promote zero-emission vehicles
- Consider establishing favorable electricity rates for home charging systems
- Develop common standards for roadway signs and charging networks
- Develop an action plan that will include many of these strategies and others

# Zero-Emission Vehicles Include:

- Battery-electric vehicles



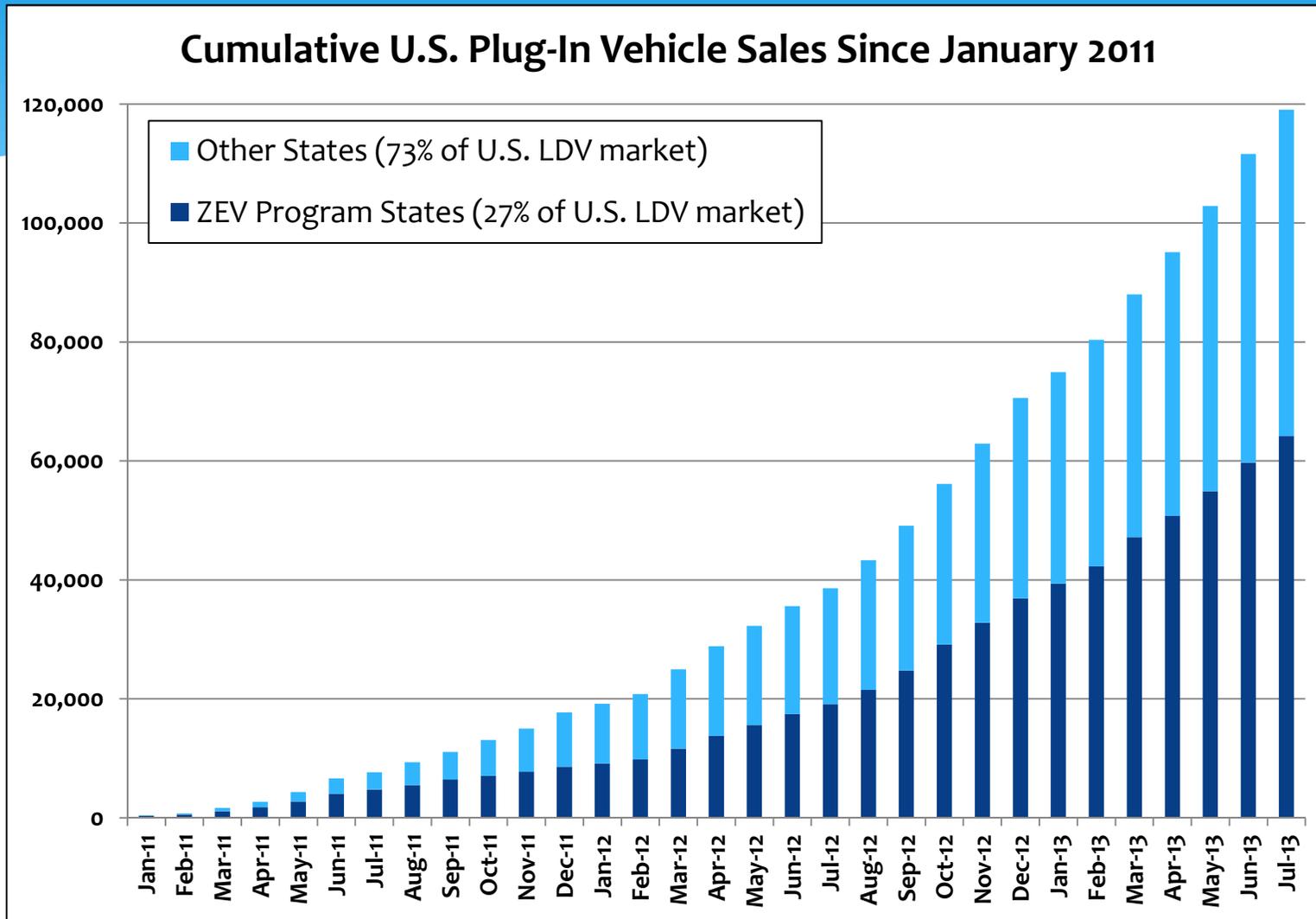
- Plug-in hybrid electric vehicles



- Hydrogen fuel-cell vehicles



# PEV sales percentage is 3x higher in ZEV Program states



Sources: R.L. Polk, Electric Drive Transportation Association