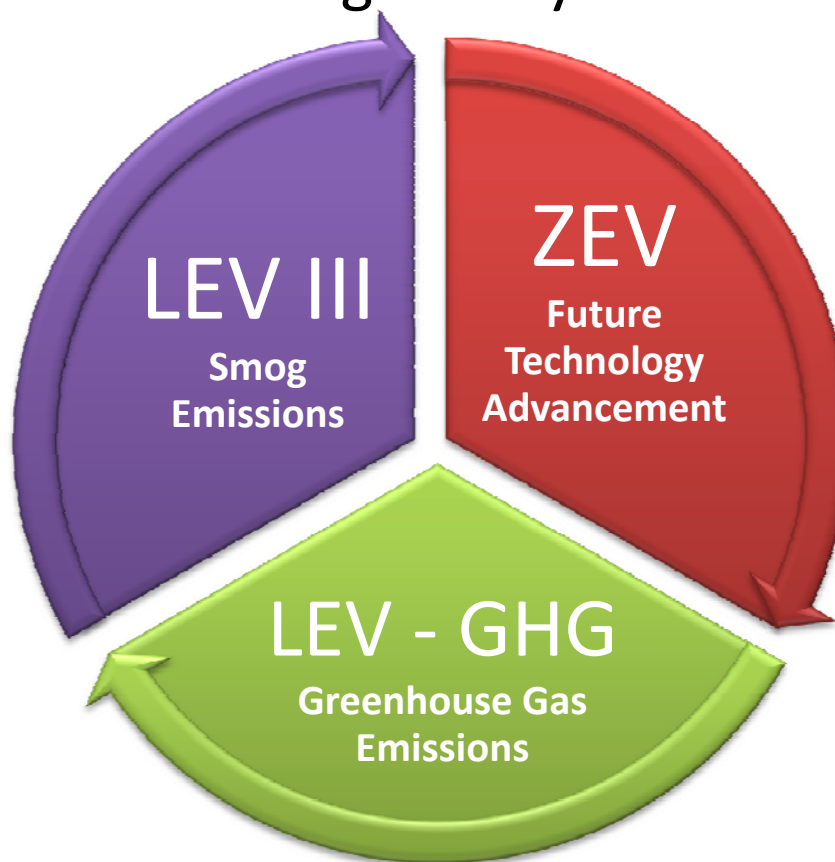


Advanced Clean Cars – Scenario for ZEVs



Multi-pronged approach to meeting mid- and long-term emission reductions from light duty vehicles



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DATE	<u>FEB 23 2012</u>
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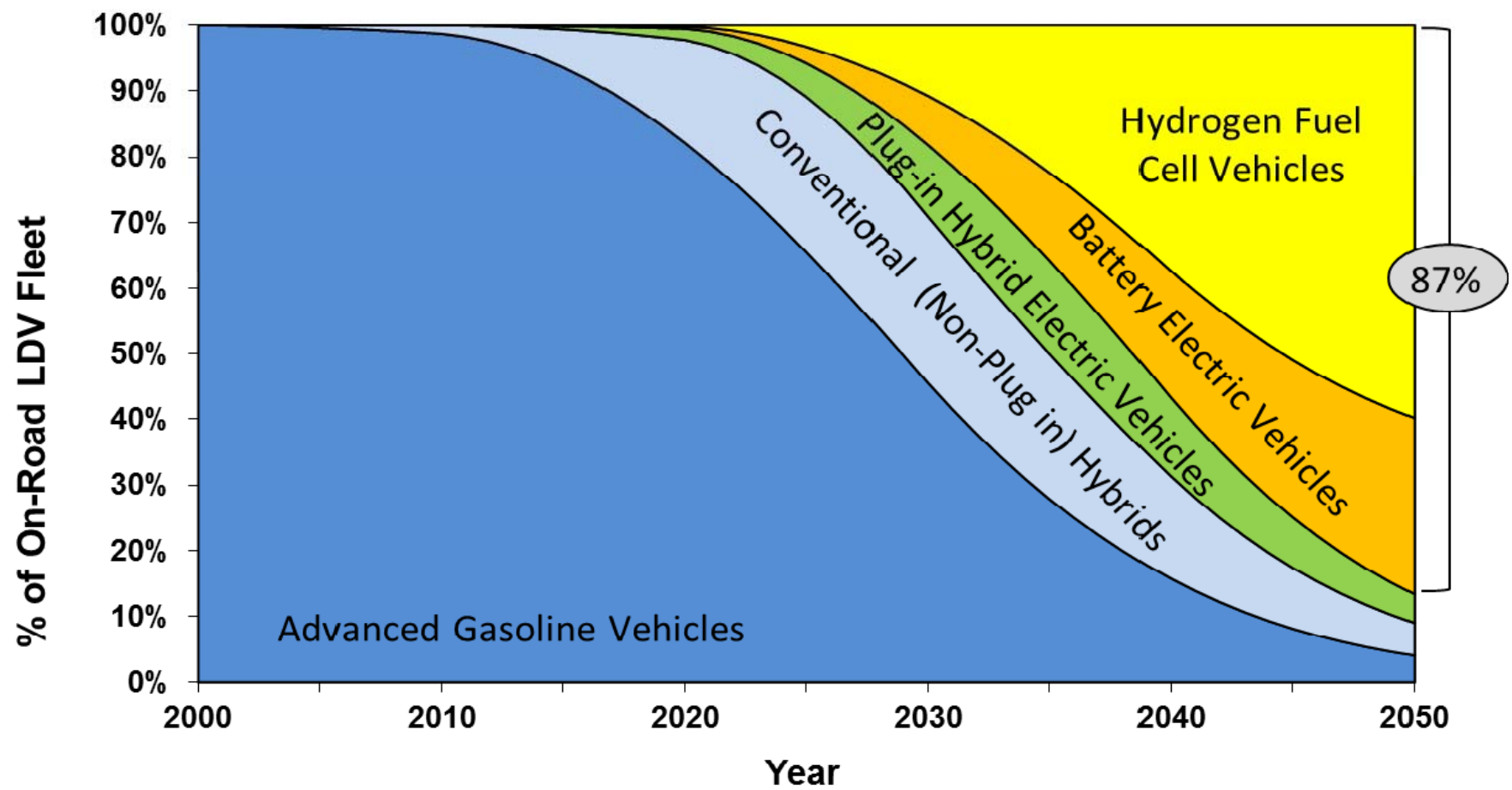
LEV III: Meeting Air Quality Standards

- LEV III regulations continue emission reductions for all new vehicles
 - More stringent standards – by 70% – for smog and soot pollutants

LEV III: Reducing Greenhouse Gas Emissions

- LEV III regulations continue emission reductions for all new vehicles
 - Greenhouse gas (GHG) standards reduce climate emissions by 34%
- Proposal consistent with EPA proposed standards to be finalized by the end of summer

ZEVs - Meeting GHG Goals



Lots of ZEVs!

Advanced Clean Cars

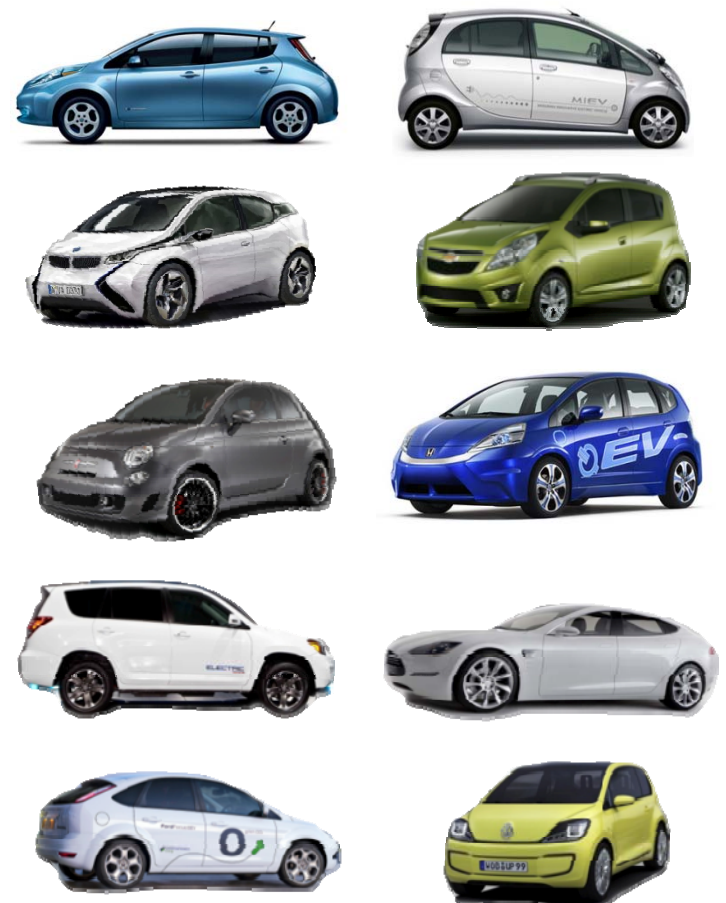
Plug-In Hybrids



Fuel Cell Vehicles



Battery Electric Vehicles

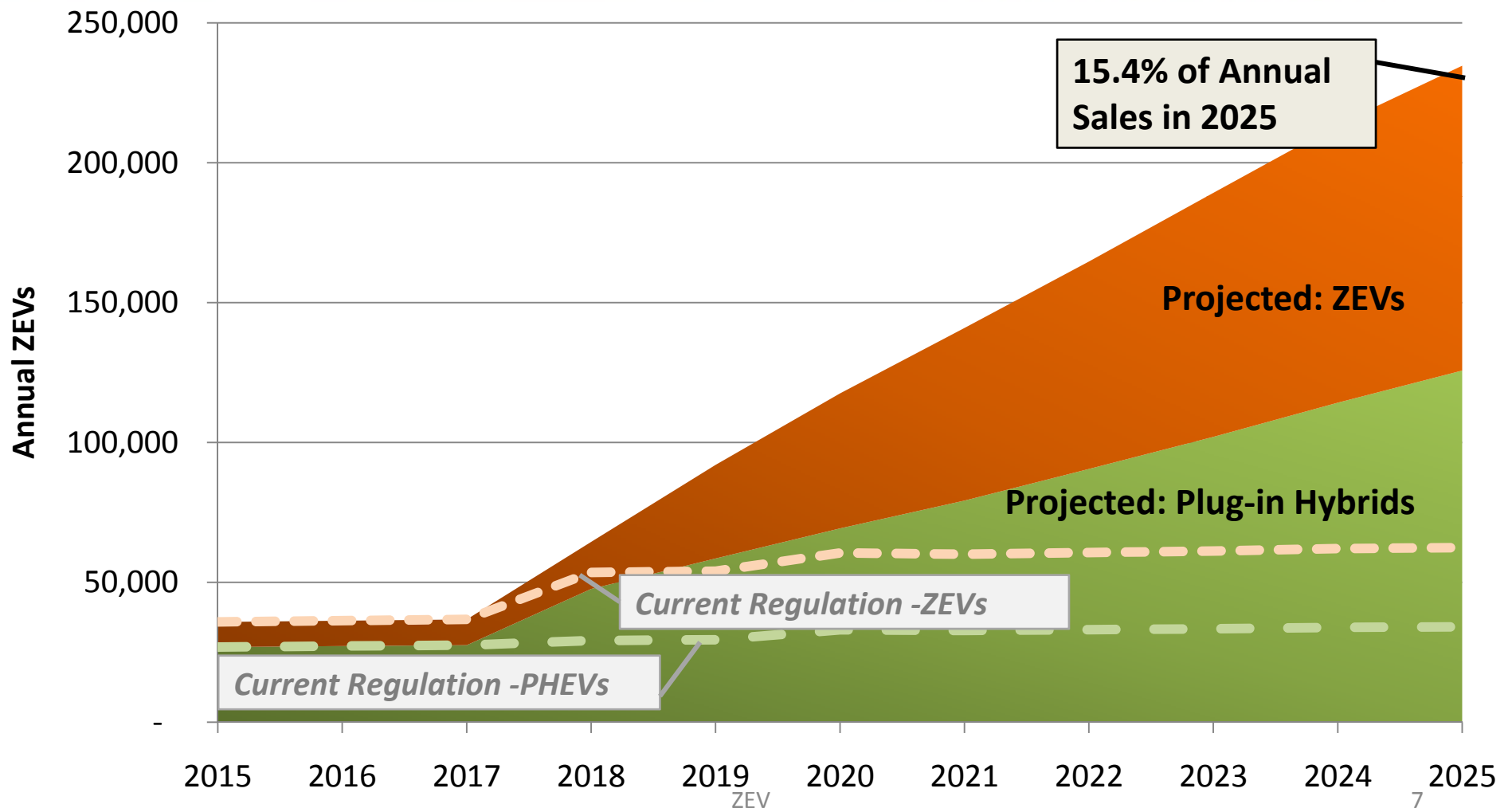


Summary of Staff's Proposal

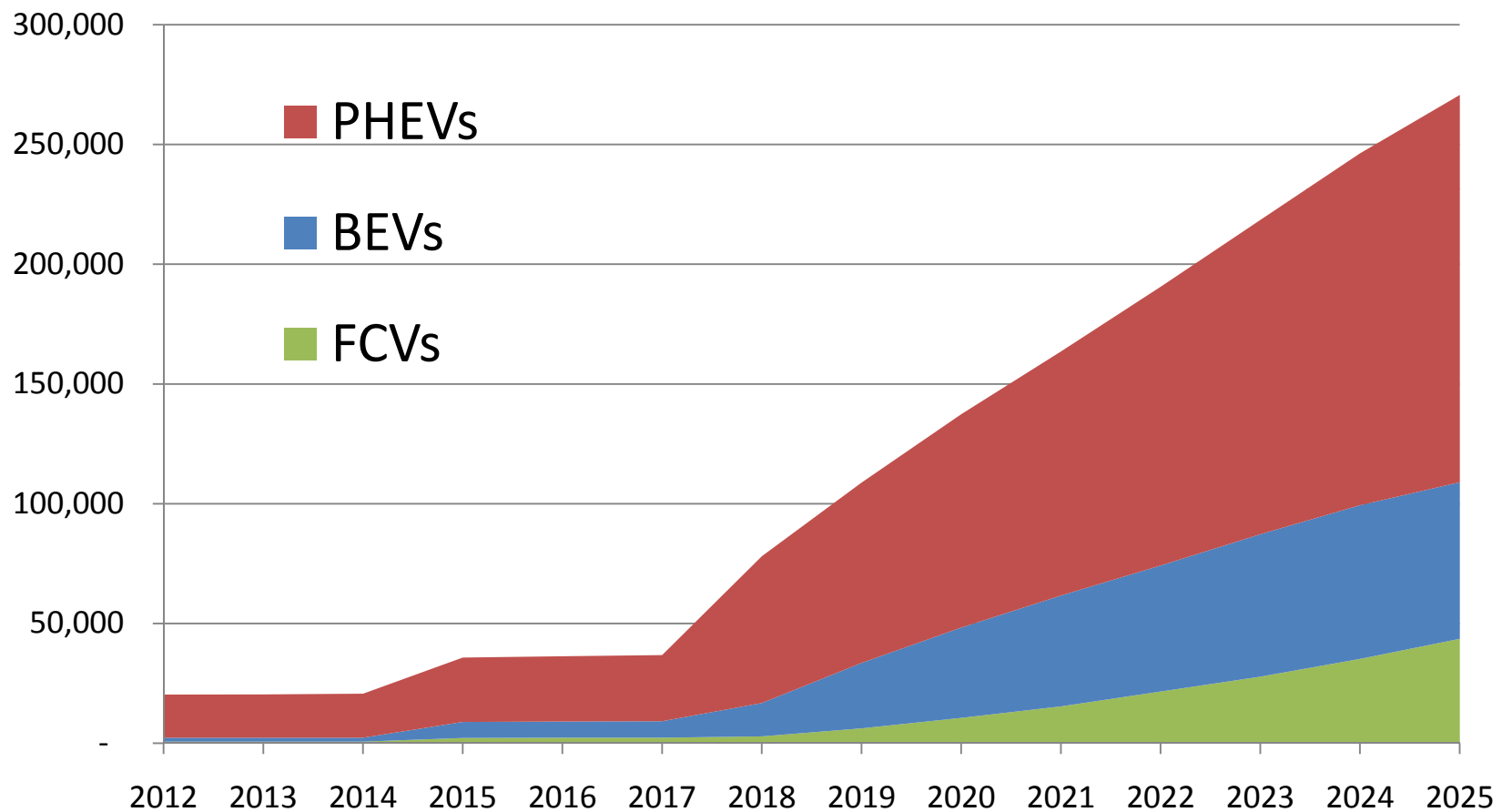


- Increase ZEV requirement
- Include more manufacturers
- Amend regulatory credit structure
- Added flexibility

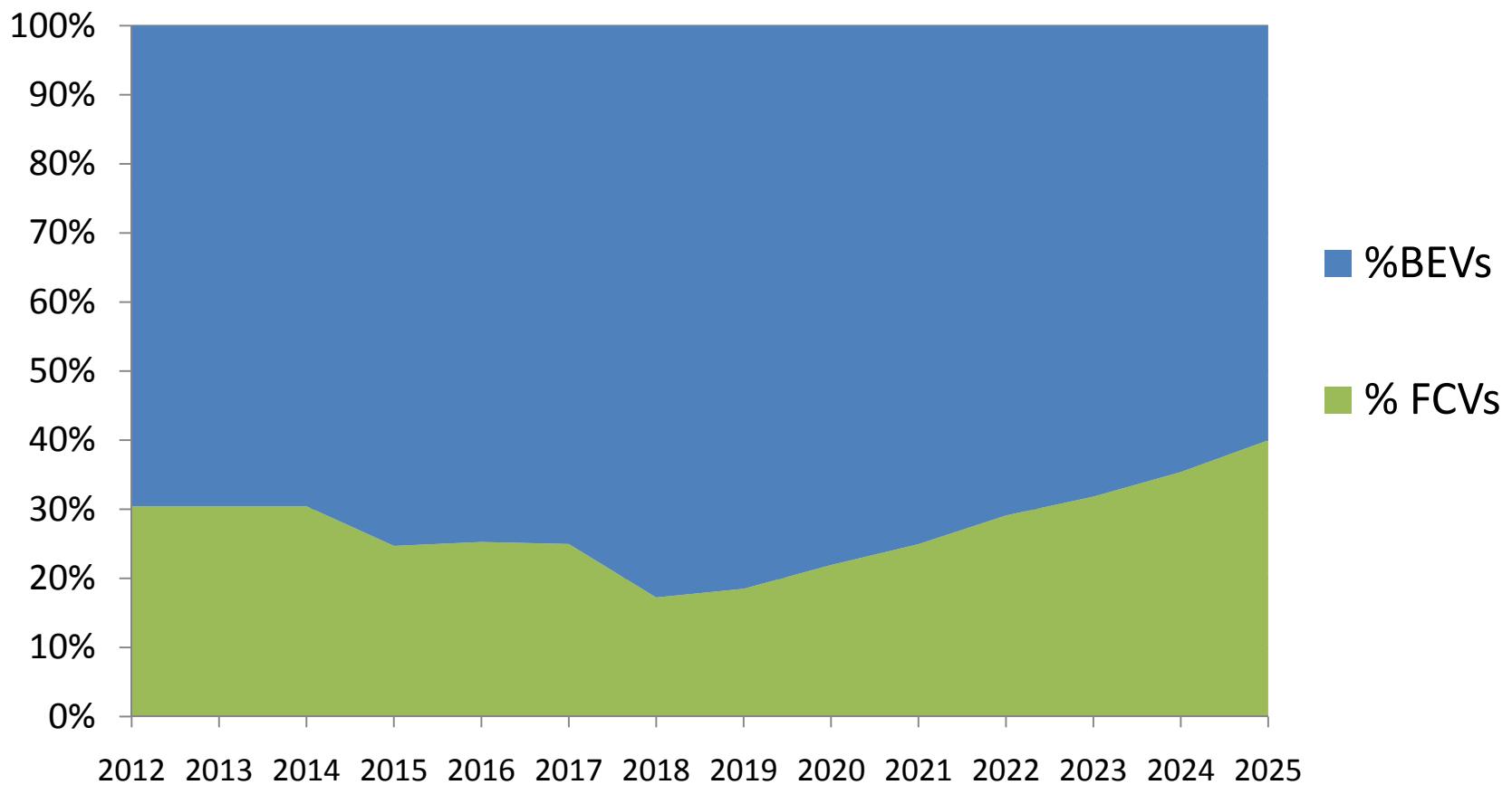
Proposed ZEV Requirements



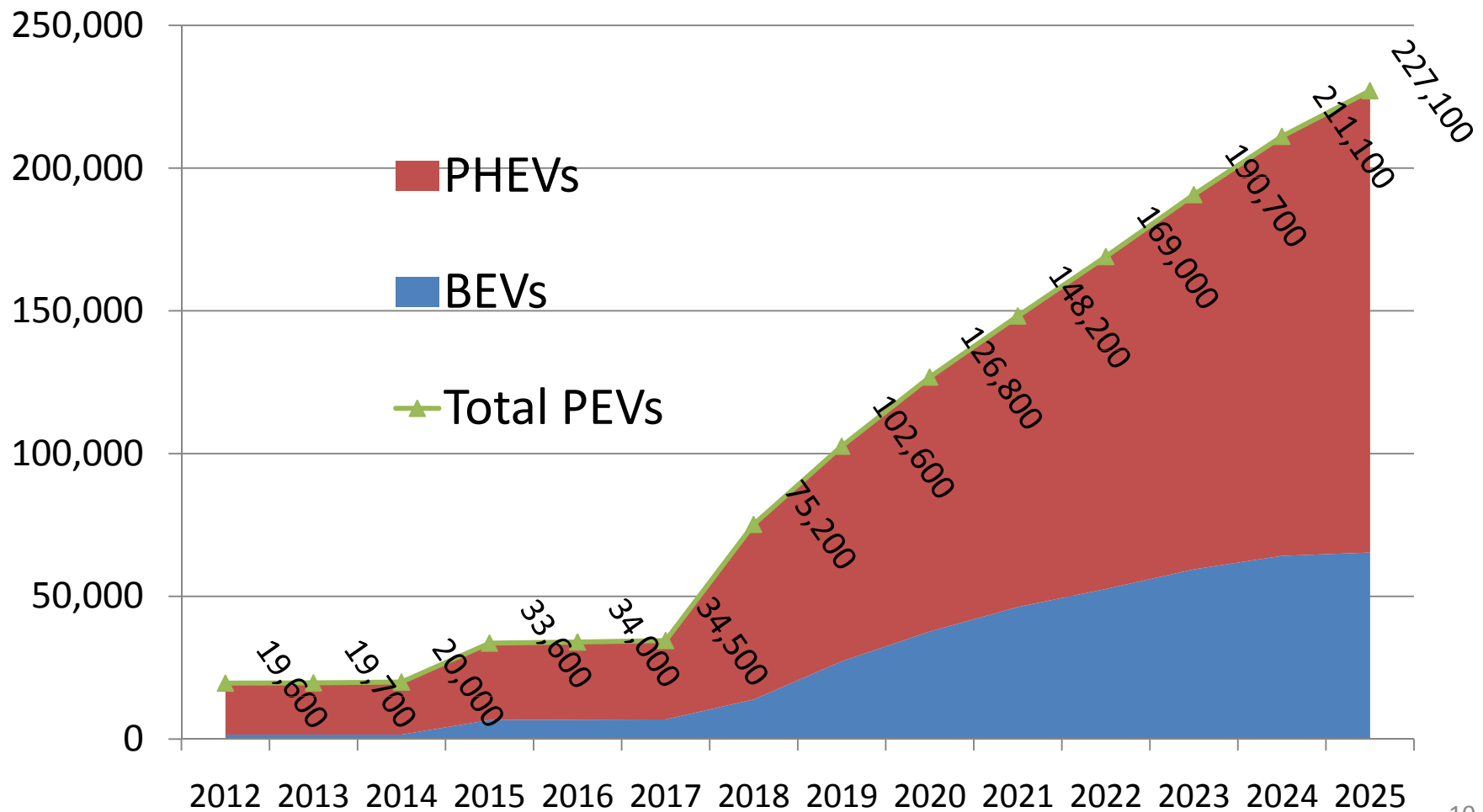
Vehicle Compliance Scenario



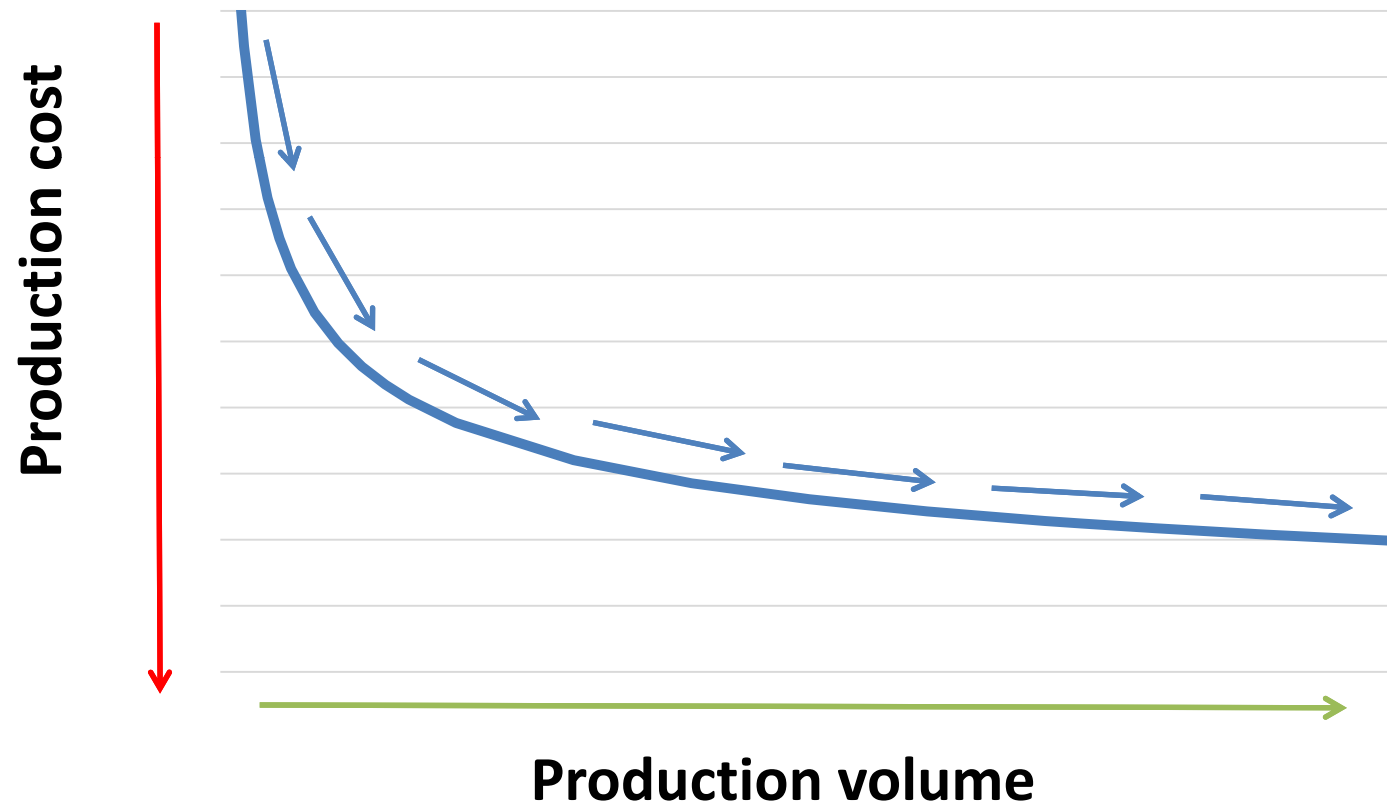
Percent Battery Electric and Fuel Cell



Total Plug in Vehicles



Increased Production Drives Down Price



Advanced Clean Cars Summary



- Reduce Urban Air Pollution
- Reduce GHG Emissions
- Commercialize Ultra-low Emission Vehicles
 - Battery, plug hybrid and fuel cell vehicles
- Assure Clean Fuels are Available
- Benefits to Consumers
 - Lower cost of operation
 - Net benefit to economy