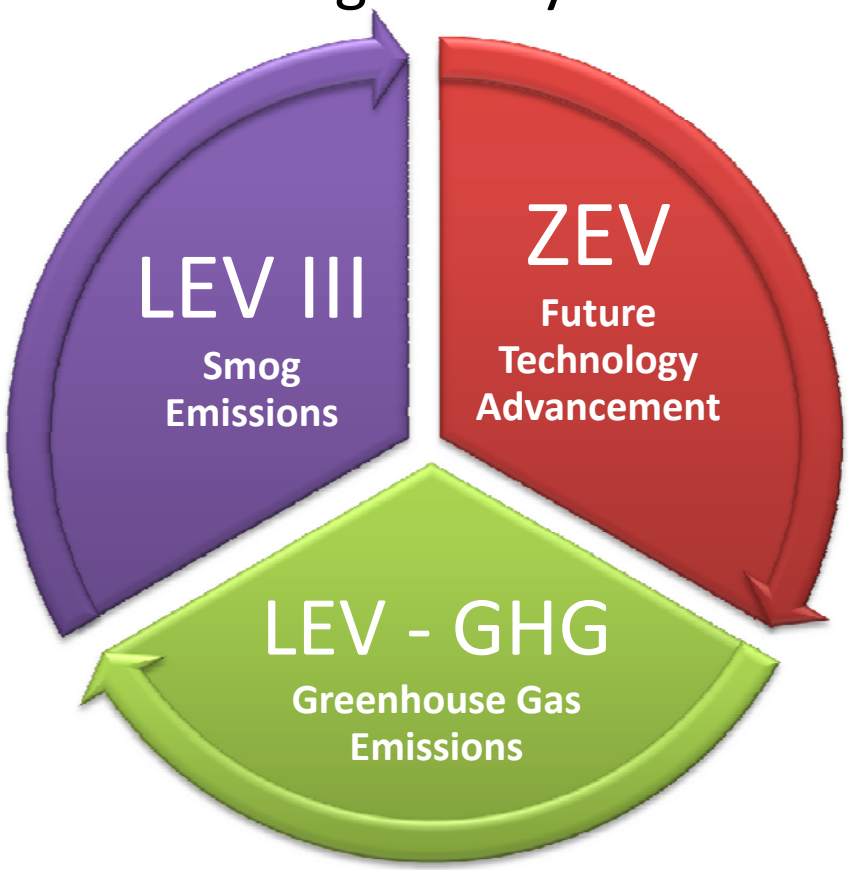
Advanced Clean Cars – Scenario for ZEVs

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



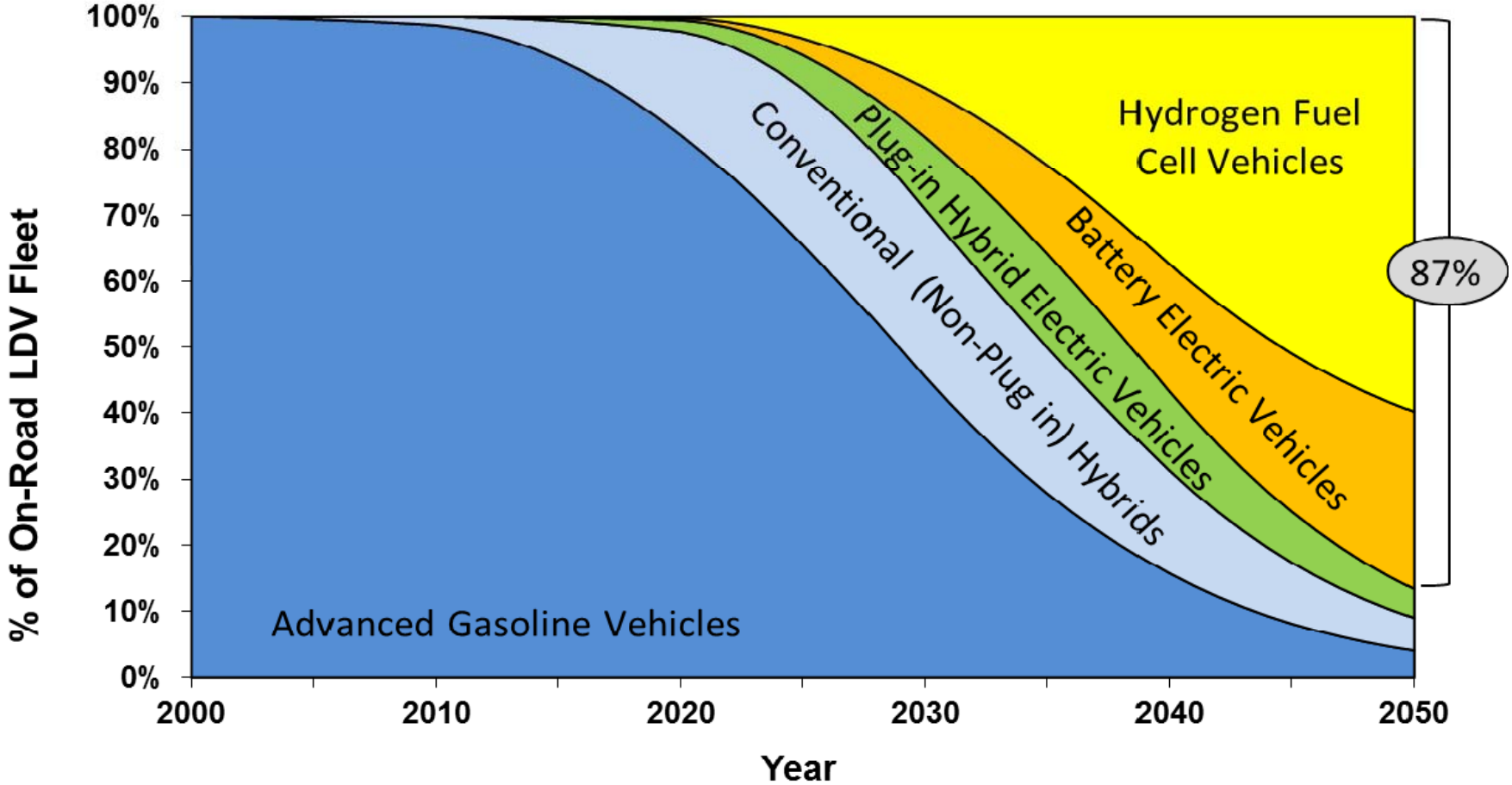
LEV III:
Meeting Air Quality Standards

- 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!

Plug-In Hybrids

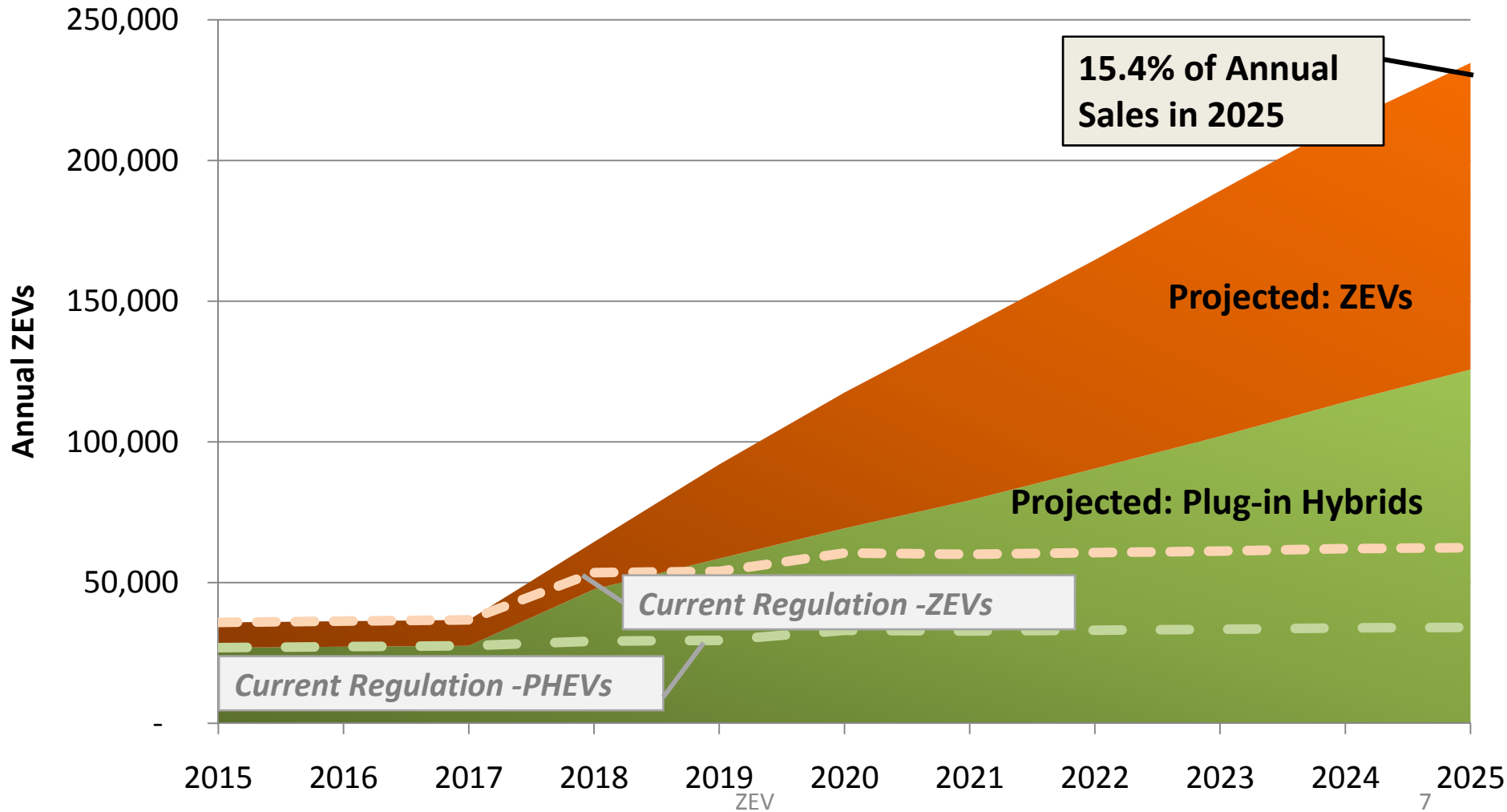
Fuel Cell Vehicles

Battery Electric Vehicles

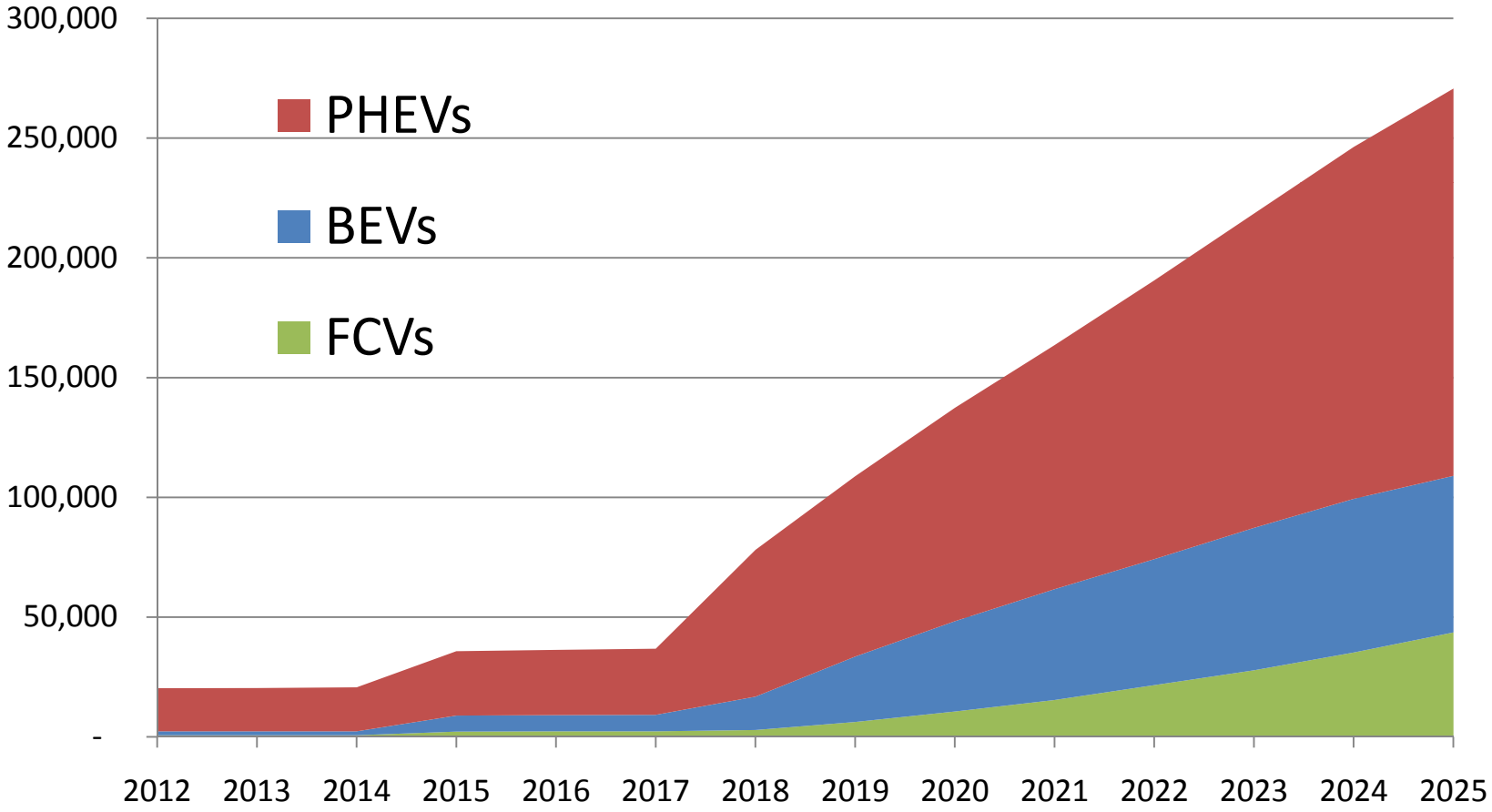
Summary of Staff's Proposal

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

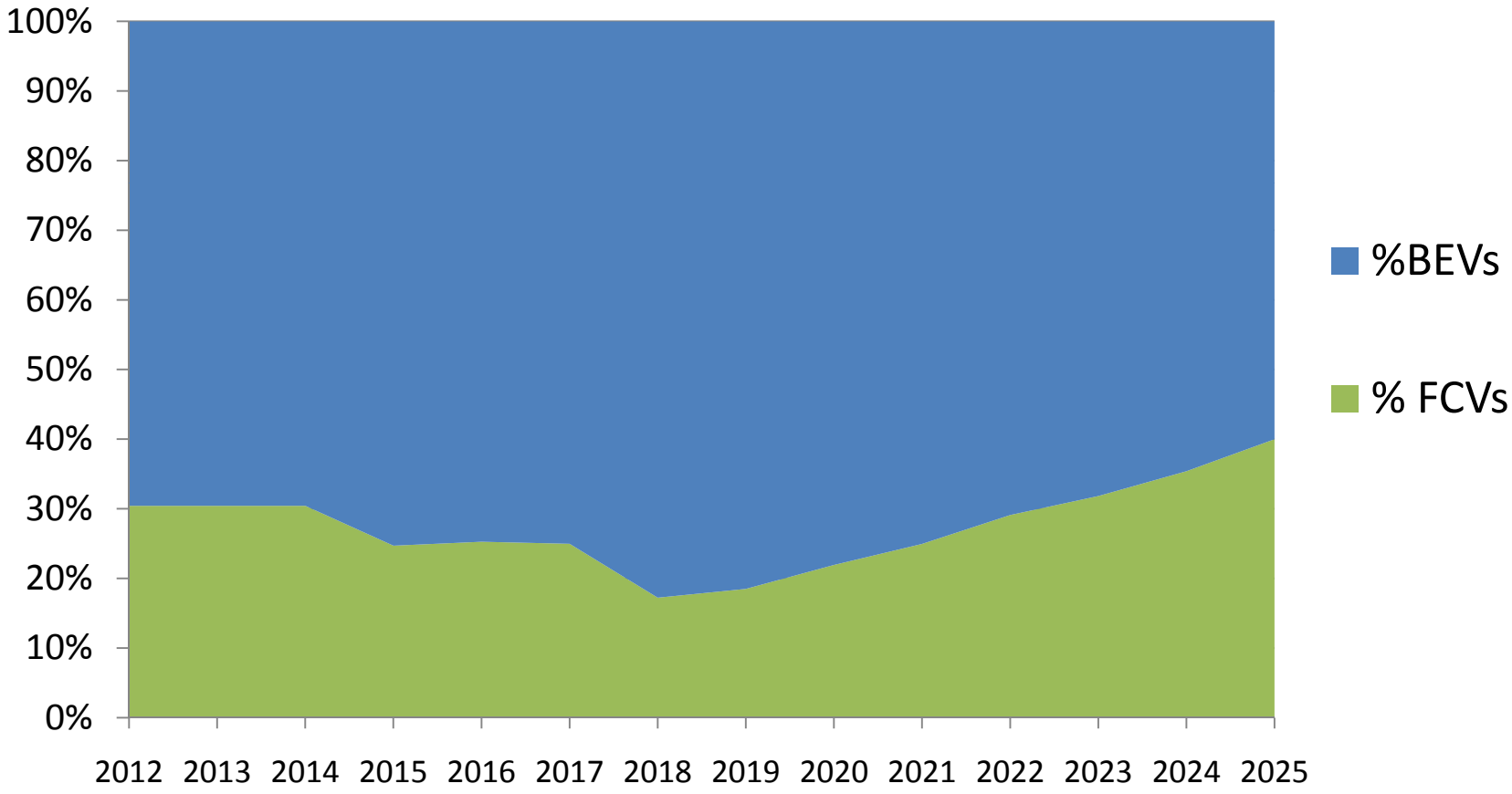
Proposed ZEV Requirements



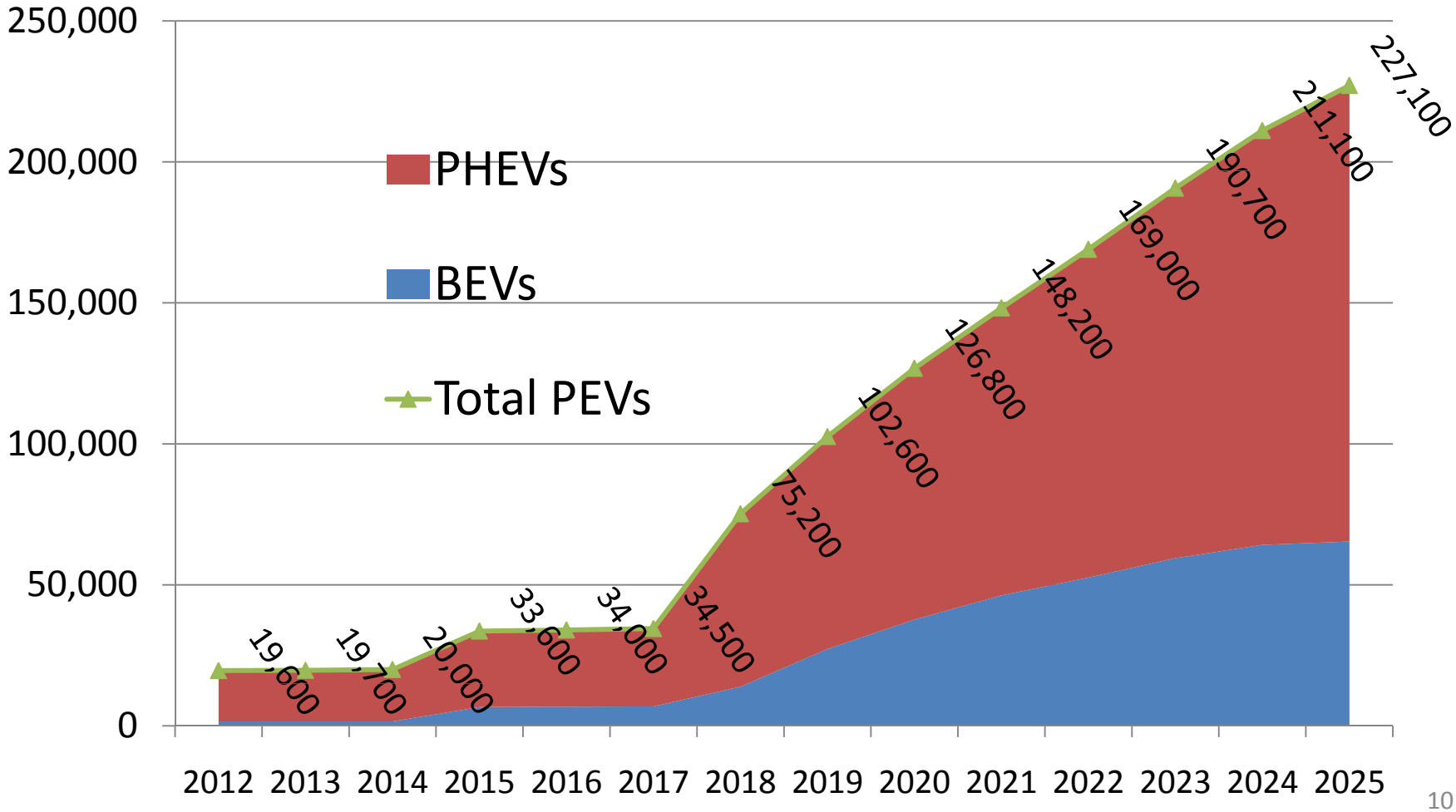
Vehicle Compliance Scenario



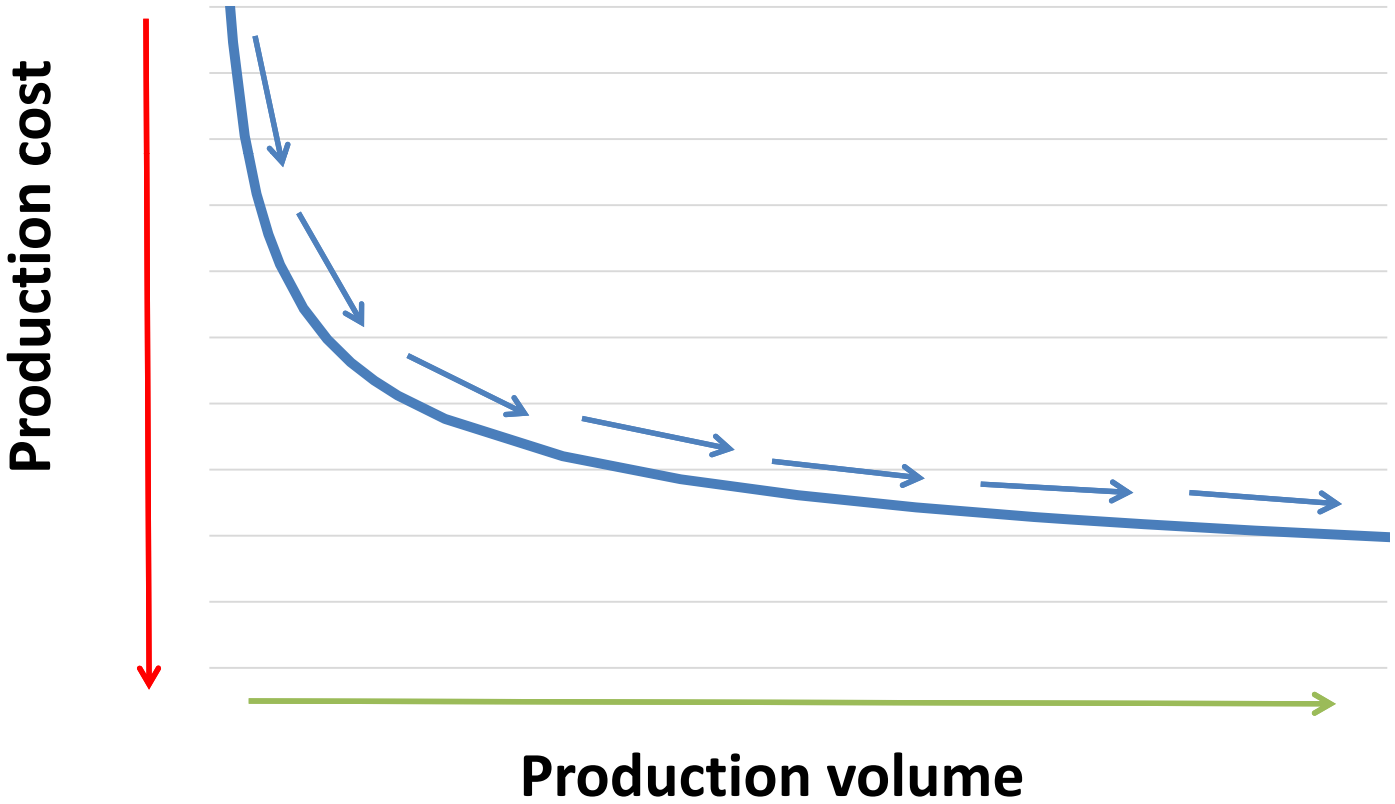
Percent Battery Electric and Fuel Cell



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