



Maryland
Department of
the Environment

The Clean Car Program

2016 Regulation Update



Air Quality Control Advisory Committee

September 19, 2016



The Maryland Clean Car Program

- Adopted in 2007.
- Adopts the California Low Emission Vehicle Program in Maryland through incorporation by reference of the California Regulations.
- Applies to new motor vehicles registered in Maryland.



Purpose of Regulation Update

- To retain California's standards, Maryland must remain consistent with their regulations, hence when California updates its regulations, Maryland must reflect these changes by amending our regulations.
- **Changes impact COMAR 26.11.34.02
Incorporation by Reference**



Alternative Fuel Conversions:

- California has updated the provisions for alternative fuel conversion kits in an effort to increase the availability of CARB certified kits.
- Streamlined approval requirements for small volume manufacturers who produce alternative fuel conversion kits.
- Additional time to sell conversions as “new” vehicles.
- These changes make the process quicker and cheaper for manufacturers and will increase the number of available kits.



Zero Emission Vehicle Program:

- Amendments provide Intermediate Volume Manufacturers (IVM) with greater flexibilities to meet the ZEV Program requirements:
- Global revenue test of \$40 Billion for 2018 and 2019 in determining IVM status.
- Extending the lead time from 3 years to 5 years for IVMs to bring plug-ins to market.
- Providing a path for IVMs to adopt the Optional Compliance Path
 - Place extra ZEVs in Section 177 states for 2 years prior to becoming a Large Volume Manufacturer.
 - Ability to pool Transitional ZEVs from each 177 state to meet obligation.
- Increase from 1 year to 3 years the time allowed to make up a ZEV deficit and allow IVMs to use TZEV credits to make up deficit.



Aligning Cal LEV III with Federal Tier 3:

- California updated regulations to incorporate and better align the California LEV III program with the EPA Tier 3 program.
- These updates make it easier for manufacturers to certify vehicles to both the California and Federal standards.



Aligning MD/HD GHG with EPA Phase 1 GHG:

- California passed amendments to align their GHG emissions standards for medium-duty and heavy-duty vehicles with the federal Phase 1 GHG program.
- The updates affect sections of California's regulations that were incorporated by reference. They have no regulatory effect on Maryland's Clean Cars Program



OBD II updates:

- California updated the on-board diagnostic system to provide greater compliance flexibility and to strengthen and clarify performance requirements of the systems.
- The changes will help ensure that vehicles are meeting the emission standard requirements during real world usage.