

Advanced Clean Trucks and Advanced Clean Cars II

Massachusetts Law and Regulation

- MA General Law c.111 § 142K **requires** MA to adopt California motor vehicle emissions standards as long as those standards achieve greater motor vehicle emissions reductions than federal standards
- MassDEP incorporates California standards in regulation 310 CMR 7.40 *Low Emission Vehicles*

Federal Clean Air Act Provisions

- § 202(a): Requires United States Environmental Protection Agency (EPA) to establish motor vehicle emissions standards
- § 209(b): Provides California with ability to set stricter motor vehicle emission standards than EPA
- § 177: Authorizes states to adopt California's motor vehicle emission standards in lieu of defaulting to EPA's standards: no state shall adopt a different set of standards, which would create a so-called "third vehicle"; states that adopt California standards must provide at least 2 model years notice to manufacturers

Truck Regulations

On December 30, 2021, MassDEP adopted three California regulations that apply to medium- and heavy-duty vehicles and engines:

- Advanced Clean Trucks
- Greenhouse Gas Phase 2 standards
- Low NOx Heavy-Duty Omnibus

Advanced Clean Trucks (ACT)

- Zero Emission Vehicles (ZEVs) sales must be a minimum percentage of total annual Massachusetts sales
- Begins with model year 2025; can earn early action credits beginning in model year 2021
- Applies to vehicles greater than 8,500 lbs. gross vehicle weight rating (classes 2b-8)

Model Year	Class 2b-3	Class 4-8	Class 7-8 Tractors
2025	7%	11%	7%
2026	10%	13%	10%
2027	15%	20%	15%
2028	20%	30%	20%
2029	25%	40%	25%
2030	30%	50%	30%
2031	35%	55%	35%
2032	40%	60%	40%
2033	45%	65%	40%
2034	50%	70%	40%
2035+	55%	75%	40%

Vehicle Groupings Used in ACT

Class 2b-3



Class 4-8



Class 7-8 Tractors



Advanced Clean Cars II

- Consists of :
 - Zero Emission Vehicle requirements
 - ZEV and PHEV range, warranty, labeling; credit for making ZEVs and PHEVs more affordable to Environmental Justice communities
 - Low Emission Vehicle IV
 - More stringent criteria pollutant standards for non-methane organic gases plus nitrogen oxides, particulate matter, and evaporative emissions
- California released April 12, 2022
- First California Air Resources Board hearing June 9, 2022
- California public comment from April 15, 2022 to May 31, 2022
- Second California Air Resources Board hearing August 2022
- MassDEP to adopt by end of 2022

California Proposed Annual ZEV Requirement

