

Low and Zero Emission Vehicle Rulemaking and Record

Vermont Climate Council Meeting
May 16, 2022

Transportation Pathways of the Initial Climate Action Plan: Low and Zero Emission Vehicle Rules

- Advanced Clean Cars II – amendment
- Advanced Clean Trucks – new rule
- Low NOx Heavy-Duty Omnibus – amendment and new rule
- Phase 2 Greenhouse Gas Emission Standards for Heavy-Duty Trucks and Trailers – new rule

Advanced Clean Cars II

- Amendment to existing Low and Zero Emission Vehicle Rules for passenger cars and light duty trucks
- Requires ramp up to 100% ZEVs by 2035
- Updated criteria pollutant standards for Internal Combustion Engine Vehicles (ICEVs)
- Enhanced consumer protection measures (warranty, durability)

Advanced Clean Trucks

- Manufacturer ZEV sales requirement for medium- and heavy-duty (>8500lbs) vehicles
- At least 30% by 2030; 40% and higher by 2035 depending on vehicle class
- Effective starting vehicle model year 2026

Low NOx Heavy-Duty Omnibus

- NOx emissions reductions from new on road heavy-duty engines and vehicles
- Manufacturers must certify that their engines will comply with applicable emission standards throughout the regulatory useful life of the engine
- Enhanced warranty and useful life requirements
- Effective vehicle model year 2026

Phase 2 Greenhouse gas emission standards for trucks and trailers

- Sets standards to reduce GHG emissions from medium- and heavy-duty engines, vocational vehicles, heavy-duty pick-up trucks and vans (PUVs), and applicable tractors and trailers
- Harmonized with the structure, timing, and stringency of federal Phase 2 standards
- Effective vehicle model year 2026

Next steps

- ANR will file proposed rules with ICAR on July 1, 2022, planned adoption by the end of 2022
- Materials reviewed today are working drafts; more data available soon to complete evaluation of emissions, health, and economic benefits prior to filing proposed rules

Questions and Discussion

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