WELCOME!



NOTICE: Portions of the UMA Town Hall are recorded.

Recording is available afterwards on the www.uma.org Member's Section of the website.

"Overdrive" is not recorded.

Today's Agenda



AGENDA

- 1. Welcome & Intros UMA CEO, Scott Michael
- 2. The Motorcoach Minute
- 3. Legislative & Regulatory Update
 Ken Presley
 Becky Weber
- 4. Cummins New Engines

Aimee Shook - Director Bus Business, Southern US Tom Swenson - Global Regulatory Affairs Manager Francisco Lagunas - General Manager, North American Bus Chris Young - Director Bus Business, Western US

5. Overdrive - Time to visit with friends: *Tips, Trends & Tons of Inspiration*

BuscMotorcoachNEWS





Legislative & Regulatory Update





S.J.Res.11

Providing for congressional disapproval under chapter 8 of title 5, United States Code, of the rule submitted by the Environmental Protection Agency relating to "Control of Air Pollution From New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards".

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That Congress disapproves the rule submitted by the Administrator of the Environmental Protection Agency relating to "Control of Air Pollution From New Motor Vehicles: **Heavy-Duty Engine and Vehicle Standards**" (88 Fed. Reg. 4296 (January 24, 2023)), and such rule shall have no force or effect.

Passed the Senate April 26, 2023.

H.J.Res.53

Providing for congressional disapproval under chapter 8 of title 5, United States Code, of the rule submitted by the Environmental Protection Agency relating to "Control of Air Pollution From New Motor Vehicles: Heavy-Duty Engine and Vehicle Standards".

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That Congress disapproves the rule submitted by the Administrator of the Environmental Protection Agency relating to "Control of Air Pollution From New Motor Vehicles: **Heavy-Duty Engine and Vehicle Standards**" (88 Fed. Reg. 4296 (January 24, 2023)), and such rule shall have no force or effect.

H.R. 30313 - Licensing Individual Commercial Examtakers Now Safely and Efficiently Act of 2023" or the "LICENSE Act of 2023"

Representative Darin LaHood (R-IL)

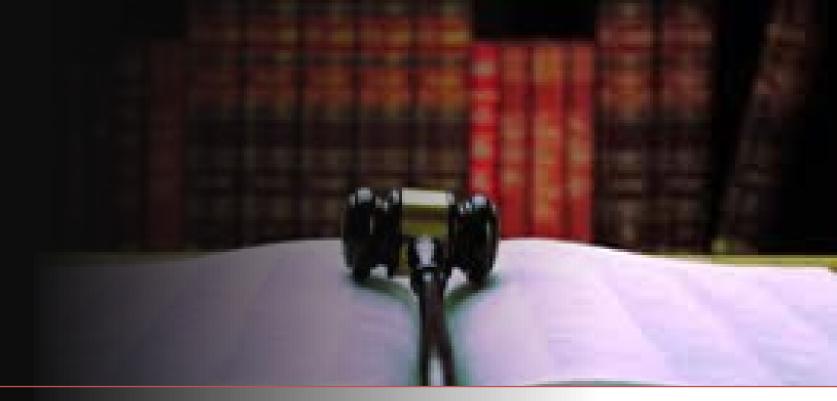
H. R. 3013

- Allow a State or third-party examiner to administer the commercial driver's license knowledge test only if the examiner—
- (A) maintains a valid commercial driver's license test examiner certification;
- (B) completes a commercial driver's license skills test examiner training course that meets the requirements of subsection (d) of such section; and
- (C) completes 1 unit of instruction described in subsection (c)(3) of such and
- (2) revise section 383.79 of title 49, Code of Federal Regulations (or a successor regulation), to allow a State to administer a driving skills tests to any commercial driver's license applicant, regardless of the State of domicile of the applicant or where the applicant received driver training.



H.R.3039

To prohibit the Administrator of the Federal Motor Carrier Safety Administration from issuing a rule or regulation requiring certain vehicles to be equipped with speed limiting devices, and for other purposes.





Safety Measurement System Revision

The National Research Council of the National Academy of Sciences (NAS) recommended on June 27, 2017, that *FMCSA develop and test a new statistical model*.

This notice explains FMCSA's analysis and the Agency's proposed changes to SMS, announces FMCSA's preview of the proposed changes, and <u>requests comments and input</u> on the Agency's system to identify motor carriers for safety interventions.



Comments must be received on or before *May 16, 2023*.

https://www.federalregister.gov/documents/2023/02/1 5/2023-02947/revised-carrier-safety-measurementsystem

Agency Information Collection Activities; Proposals, Submissions, and Approvals:

Training Certification for Entry-Level Commercial Motor Vehicle Operators

Comment on any aspect of this information collection, including:

- (1) Whether the proposed collection is necessary for the performance of FMCSA's functions.
- (2) The accuracy of the estimated (time) burden.
- (3) Ways for FMCSA to enhance the quality, usefulness, and clarity of the collected information.
- (4) Ways that the burden could be minimized without reducing the quality of the collected information.



Access Board Proposed Rulemaking

- Federal Transit Administration will lead a rulemaking to adopt these new accessibility standards into USDOT regulations.
 - These regulations will apply to over-the-road buses)OTRBs) operated by private sector entities.
- A proposed rule will be published soon, and it will likely address:
 - 1. Designation of a specific number of priority seats for passengers with disabilities on OTRBs used in fixed route service;
 - 2. Required signs about priority seats on OTRBs;
 - 3. Destination and route sign standards for front and boarding side of OTRBs;
 - Automated stop announcement and route identification systems on OTRBs operated in fixed route service with multiple designated stops;
 - 5. Stop request systems for OTRBs operated in faxed route service with multiple designated stops;
 - 6. Whether movable seating in wheelchair securement locations on OTRBs is allowed;
 - 7. Identification of wheelchair securement locations on OTRBs with the International Symbol of Accessibility.



Fixed Route System

Fixed route system means a system of transporting individuals (other than by aircraft), including the provision of designated public transportation service by public entities and the provision of transportation service by private entities, including, but not limited to, specified public transportation service, on which a vehicle is operated along a prescribed route according to a fixed schedule. (49 **CFR 37.3**)



Allow for potential CMV speed limit change.

FEDERAL Crash Preventability Determination Program CARRIER Comments due June 12, 2023 ADMINISTRATION

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Industry <</p>

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Compliance and Regulatory Assistance

Membership Logos

State Associations

Social Media Tool Kit

Live Town Hall

Recorded Town Halls

UMA Motorcoach Travel
PAC

We Have Moved!
Our new address is:
2034 Eisenhower Ave., Suite 247, Alexandri

Unite for the Motorcouch Indu

We are stronger together! Get UNITED with hundreds of moto PAC like you by joining the United Motorcoach Association today.

Cummins New Engines

- Aimee Shook Director Bus Business, Southern US
- Tom Swenson Global Regulatory Affairs Manager
- Francisco Lagunas General Manager, North American Bus
- Chris Young Director Bus Business,
 Western US





Bus



EPA / CARB Emission Regulation Timeline

Regulatory

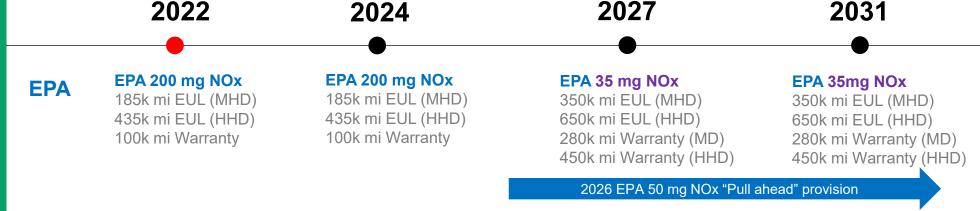
Landscape

Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions



CARB

CARB 200 mg NOx 185k EUL (MHD) 435k mi EUL (HHD) 150k mi Warranty (MD) 350k mi Warranty (HHD)

CARB 50 mg NOx

185k mi EUL (MHD) 435k mi EUL (HHD) 150k mi Warranty MD 1350k mi Warranty (HHD)

CARB 20 mg NOx

270k mi EUL (MHD) 600k mi EUL (HHD) 220k mi Warranty (MHD) 450k mi Warranty (HHD)

CARB 20 mg NOx

350k mi EUL (MHD) 800k mi EUL (HHD) 280k mi Warranty (MHD) 600k mi Warranty (HHD)

CARB waiver for Omnibus under review

CARB ACT ZEV Sales & ACF ZEV Purchase Mandates





Regulatory Landscape

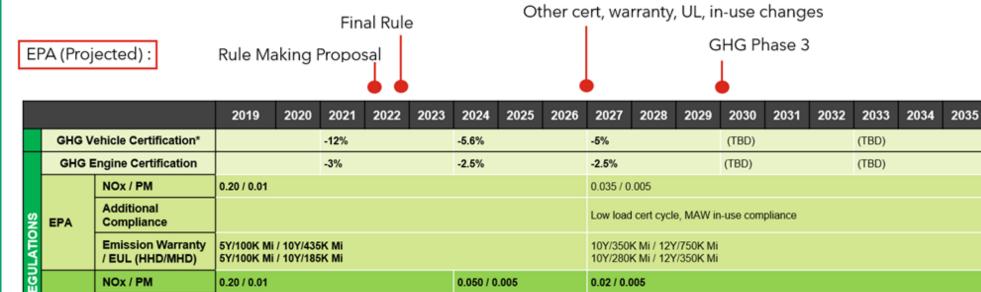
Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions

US Regulation Requirements



Diverging regulations with more stringent CARB requirements

Additional

Compliance

Emission Warranty

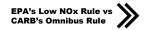
/ EUL (HHD/MHD)



CARB

Information contained herein is provided "as is" with no warranties, expressed or implied, for completeness, reliability, or accuracy, or any combination thereof. **Any action you take upon the use of the information contained is strictly at your own risk.** Consult with your legal counsel.









Low load cert cycle, MAW in-use compliance

Lower NOx std

7Y/450K Mi / 11Y/600K Mi

7Y/220K Mi / 11Y/270K Mi

10Y/600K Mi / 12Y/800K Mi 10Y/280K Mi / 12Y/350K Mi

5Y/350K Mi / 10Y/435K Mi

5Y/150K Mi / 10Y/185K Mi



5Y/100K Mi / 10Y/435K Mi

5Y/100K Mi / 10Y/185K Mi



Regulatory Landscape

Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions

Who do these regulations impact?





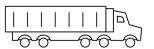
CARB Omnibus:

Sets emissions standards that new engines must meet, starting in 2024 for California and opt-in states

EPA Heavy Duty Low NOx:

Sets emissions standards that new engines must meet, starting in 2027 for US

Vehicle Manufacturers/Dealers



Advanced Clean Trucks:

Vehicle Manufactures must produce AND SELL a certain percentage of ZEV each year beginning in 2024

Fleets/End Users



Advanced Clean Fleets:

Fleets must purchase a given amount of ZEV starting in 2024 ~OR~ meet ZEV milestone thresholds with their fleet starting in 2025.

Heavy Duty Inspection & maintenance

Engine Manufacturers must sell engines that met these requirements to vehicle manufacturers. This includes a limited number of legacy engines.

Vehicle Manufacturers must sell an increasing percentage of ZEV each year

Fleets must follow ACF ZEV purchase requirements ~OR~ ACF ZEV fleet percentage









Powertrain

Future Technologies

Bus Digital

OEM

1 11



Regulatory Landscape



Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

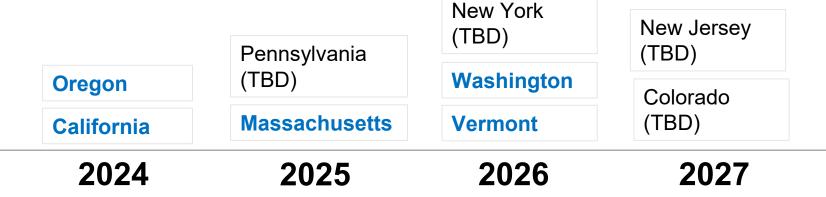
CARB Emissions

CARB Omnibus Adoption by State

Current as of January 11, 2023 Subject to change

Omnibus Low NOx

- California, Oregon (MY 2024)
- Massachusetts (MY 2025)
- Vermont, Washington (MY 2026)
- In Process with projected implementation year- Colorado, New Jersey, New York, Pennsylvania







Powertrain

Future Technologies

Bus Digital

al OEM

Aftermarket

Sustainability

Resources

2 11



CARB ZEV Regulations



CARB ACT
Advanced Clean Trucks
2020

CARB ACF

Advanced Clean Fleets
2023 2nd Board Hearing

Regulatory Landscape



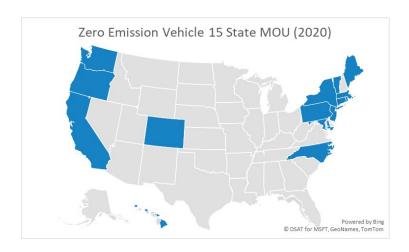
Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions

Zero Emission Regulations



15 States in North America have signed a MOU to adopt CARB ACT Regulations for ZEV





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Regulatory Landscape

Landscape

Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions

CARB ACT

Future Technologies

Advanced Clean Truck

- The Advanced Clean Truck Regulation is part of a holistic approach to accelerate a large-scale transition of zero-emission medium-and heavy-duty vehicles from Class 2b to Class 8.
- The regulation has two components including a manufacturer ZEV sales requirement, and a large fleet reporting requirement.
- The goal is to ensure that 100 percent of all new medium- and heavy-duty vehicle sales be zero emission vehicles by 2050 with an interim target of 30 percent zeroemission vehicle sales by 2030.

	•	
	•	

Class 2b-3	Class 4-8	Class 7-8 Tractors
5%	9%	5%
7%	11%	7%
10%	13%	10%
15%	20%	15%
20%	30%	20%
25%	40%	25%
30%	50%	30%
35%	55%	35%
40%	60%	40%
45%	65%	40%
50%	70%	40%
55%	75%	40%
	5% 7% 10% 15% 20% 25% 30% 35% 40% 45% 50%	5% 9% 7% 11% 10% 13% 15% 20% 20% 30% 25% 40% 30% 50% 35% 55% 40% 60% 45% 65% 50% 70%







Regulatory Landscape



Emissions Simplified

US Regulatory Drivers

EPA/CARB Regulatory

CARB Emissions

CARB ACF Overview

Advanced Clean Fleets

Future Technologies



- Advanced Clean Fleets is a medium and heavy-duty zero-emission fleet regulation with the goal of transitioning California vehicles to 100% Zero Emission Vehicles (ZEV's) by 2045 everywhere feasible
- Advanced Clean Fleets includes:
 - Fleet ZEV purchase requirements ~or~ Fleet ZEV percentage requirements
 - Internal Combustion Engine (ICE) Vehicle retirement requirements
- Fleets impacted by this regulation are:
 - High Priority and Federal Government Fleets
 - State and Local Government Fleets
 - Drayage Trucks

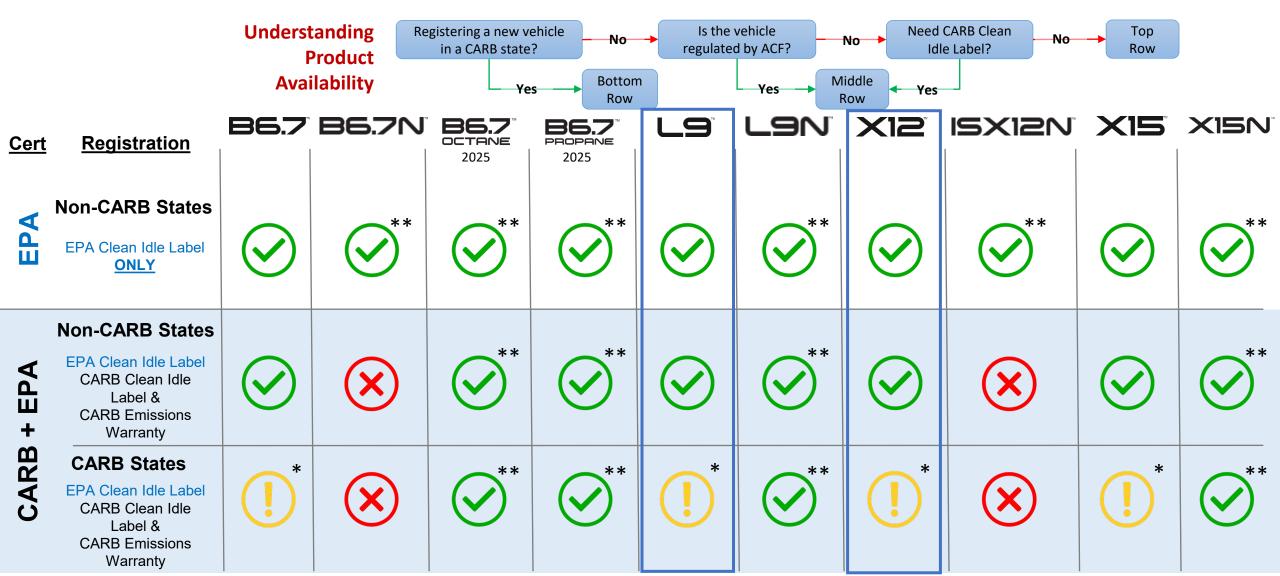




Cummins Powered Availability 2024 - 2025

CARB 2024 Waiver Approval Scenario





^{*}Available in CARB through Transit Exemption, Legacy Engine Provision and ≥525hp Exemption where applicable. Volume Limitations and Surcharge apply within CARB States, exact quantities are TBD

^{**}Clean Idle sticker not applicable for Natural Gas, Gasoline and Propane

