# Medium- and Heavy-Duty Zero Emissions Vehicle Memo of Understanding

Oregon Stakeholder Meeting Dec. 15, 2020



## Background and purpose of the MOU

- Zero emission vehicle technology for the medium- and heavy-duty sector continues to grow
- Builds off success of 2013 multistate, light-duty ZEV MOU and subsequent Action Plans for lightduty vehicles
- Commits states to work together to foster a market for zero emission medium- and heavy-duty vehicles







#### MULTI-STATE MEDIUM- AND HEAVY-DUTY ZERO EMISSION VEHICLE

#### MEMORANDUM OF UNDERSTANDING

WHEREAS, the Signatory States and the District of Columbia<sup>1</sup> recognize the importance of state leadership and coordinated state action to ensure national progress in the effort to reduce greenhouse gas (GHG) emissions and stabilize global warming;

WHEREAS, the Signatory States have statutory obligations or otherwise seek to significantly reduce statewide GHG emissions by 2050, consistent with science-based targets;

WHEREAS, transportation is now the nation's largest source of GHG emissions, and, after lightduty vehicles, medium- and heavy-duty trucks are the next largest source of transportation sector GHG emissions;

WHEREAS, the Signatory States have a statutory obligation to provide their citizens with air quality that complies with national health-based air quality standards, which are required to be protective of health and the environment with an adequate margin of safety;

WHEREAS, fossil fuel related emissions from medium- and heavy-duty vehicles (MHDVs) are a major source of nitrogen oxides (NOx), particulate matter, and toxic air emissions, which are preventing many densely populated areas from achieving compliance with federal ambient air quality standards;

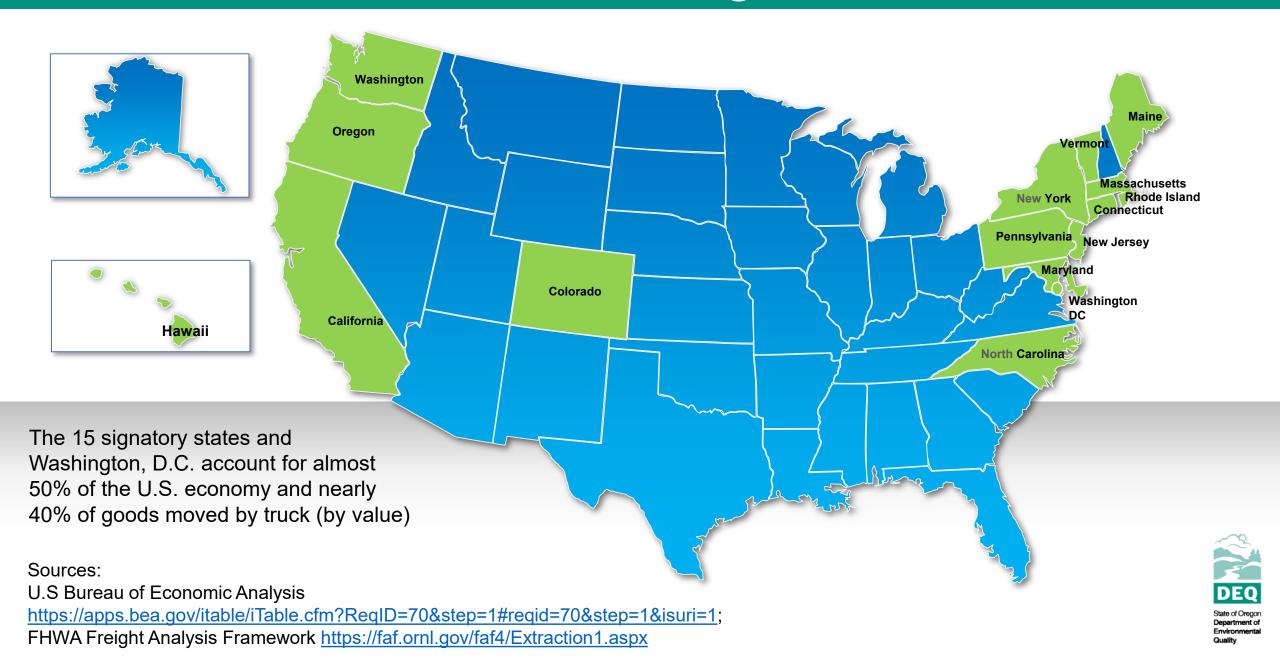
WHEREAS, emissions from MHDVs are a widely acknowledged, but unaddressed, environmental justice problem that directly and disproportionately impacts disadvantaged communities located near freight corridors, ports and distribution centers;

## Medium- and Heavy-Duty Zero Emission Vehicle MOU

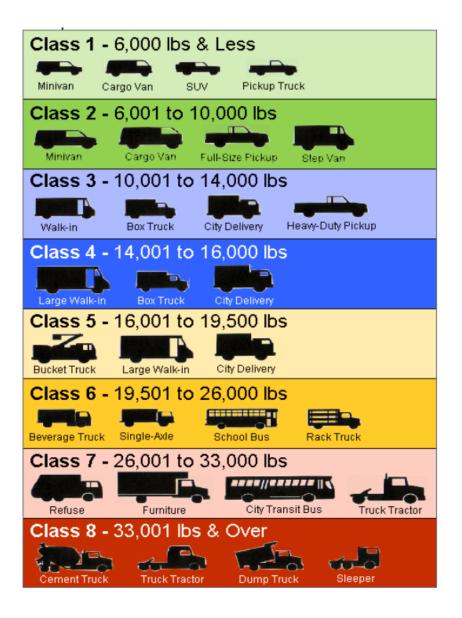
- Calls for 30% of new truck and bus sales to be zero emission by 2030 and 100% by 2050
- Emphasizes need to accelerate deployment of zero emission trucks and buses in underserved communities
- Directs development and implementation of a MHD ZEV Action Plan
- Encourages opportunities for public fleet purchases and fueling stations



### MHD ZEV MOU signatories



## Medium- and heavy-duty truck classifications



Truck classifications are based on gross vehicle weight rating.





### Next steps – Stakeholder outreach

- Underserved/EJ Community Advocates
- Truck and Bus Manufacturers
- Battery Manufacturers
- Trucking Companies
- Electric Vehicle Supply Equipment (EVSE)
  Providers
- Utilities
- Utility Regulators and Consumer Advocates
- Commercial Fleets
- Environmental Advocates
- Labor Unions







### Next steps – Action plan development

The MHD ZEV Action Plan developed by the Multi-State ZEV Task Force will consider the need for a range of market-enabling actions, such as:

- Incentives for vehicles and infrastructure;
- Adoption of regulatory standards (e.g., California's Advanced Clean Trucks Regulation);
- Utility actions to support infrastructure buildout and beneficial rate design;
- Measures to increase the use of zero emission trucks and delivery vans in densely populated areas;
- Innovative financing models and new funding sources;
- Actions to encourage fleet purchases; and
- Uniform standards and data collection requirements.



#### **Tentative timeline – MHD ZEV Action Plan**

Conduct stakeholder outreach

December 2020

Seek stakeholder input on draft plan *Early 2021*  State approval process

May - June 2021













December 2020 – January 2021

Begin developing draft action plan

April 2021

Revise draft action plan

**June** 2021

Release final action plan



# Action plan considerations and request for information

- What MHD ZEV programs or policies currently exist?
- What are the challenges and barriers to MHD ZEV adoption? What considerations can the Action Plan include to minimize or resolve them?
- What actions can be taken, with specific consideration of environmental justice issues?





## Comments on action plan development

Submit comments and information to:

https://www.nescaum.org/files/mhd-zev-input.php



#### **Contact**

Rachel Sakata

Rachel.sakata@state.or.us

503-229-5659