Medium- and Heavy-Duty Zero Emission Vehicle Memorandum of Understanding

Air Quality Technical Advisory Committee Meeting
October 17, 2020
Harrisburg, PA
Greenhouse Gas Emissions in the Northeast

Source: State Inventory Tool (2015 emissions excludes Pennsylvania)
Greenhouse Gas Emissions in Pennsylvania

- **Electricity**: 32%
- **Transportation**: 21%
- **Industry**: 29%
- **Residential and Commercial**: 11%
- **Agriculture**: 3%
- **Waste**: 4%

Source: Pennsylvania Climate Action Plan
2017 NOx Emissions in Mid-Atlantic/Northeast

- EGU
- Area Institutional
- Nonroad Aircraft and Rail
- Industrial
- Area Residential
- Nonroad Diesel and Gas Equipment
- Onroad Diesel/HDV
- Onroad Gasoline/LDV

**tons**
MOU Concepts

• Commits signatories to work together to foster a self-sustaining market for zero emission medium- and heavy-duty duty (MHD) vehicles.
• Call 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 disadvantaged communities.
• Directs development and implementation of MHD ZEV Action Plan.
Affected Vehicles

Truck Classifications

- Vehicle classes are based on gross vehicle weight rating (GVWR).
- Class 2 is subdivided into:
  - Class 2a with a GVWR of 6,001-8,500 lb; and
  - Class 2b vehicles with a GVWR of 8,501-10,000 lb.
- MHDVs consist of classes 2b-8.
The 15 signatory states and Washington DC account for almost 50 percent of the U.S. economy and nearly 40 percent of goods moved by truck (by value).

Sources:
U.S. Bureau of Economic Analysis https://apps.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1
Tentative Timeline

Conduct Stakeholder Outreach

**Summer 2020**

Seek Stakeholder Input on Draft Plan

**Jan-Feb 2021**

State Approval Process

**April-May 2021**

Develop Draft Action Plan

**Fall 2020**

Revise Draft Action Plan

**March 2021**

Release Final Action Plan

**May/June 2021**

Pennsylvania Department of Environmental Protection
Outreach

- NESCAUM is speaking with national leaders in the fields of electric vehicles and infrastructure such as:
  - Automobile Manufacturers
  - Electric Utilities / PUCs
  - Environmental Justice Advocates
  - NGOs
  - Electric Vehicle Supply Equipment Providers
  - Commercial Truck Fleets

- DEP will continue outreach efforts to engage similar types of Pennsylvania-specific stakeholder groups.
Contact

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