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

Small Business Compliance Advisory Committee
October 28, 2020
Harrisburg, PA

Tom Wolf, Governor
Patrick McDonnell, Secretary
Greenhouse Gas Emissions in the Northeast

- Transportation: 42%
- Commercial & Residential: 25%
- Electricity: 19%
- Industry: 11%
- Agriculture: 3%

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

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

Source: Pennsylvania Climate Action Plan
MOU Concepts

• Commits signatories to work together to foster a self-sustaining market for zero emission medium- and heavy-duty duty (MHD) vehicles.
• 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 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

- **Summer 2020**
  - Conduct Stakeholder Outreach

- **Fall 2020**
  - Develop Draft Action Plan

- **Jan-Feb 2021**
  - Seek Stakeholder Input on Draft Plan

- **March 2021**
  - Revise Draft Action Plan

- **April-May 2021**
  - State Approval Process

- **May/June 2021**
  - Release Final Action Plan
Outreach

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

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

Chris Trostle
Mobile Sources Section
717-772-3926
dtrostle@pa.gov