

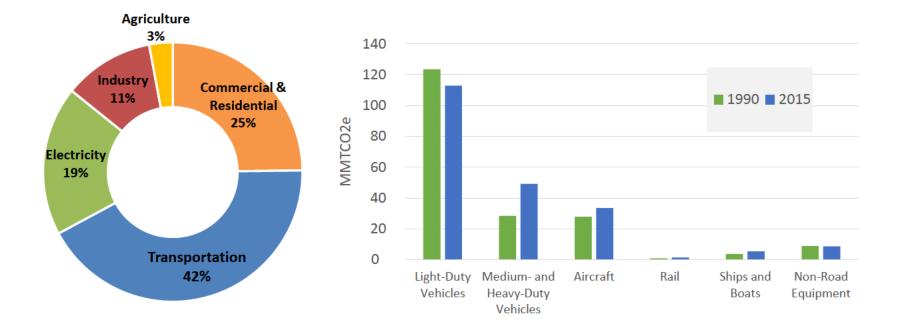
# Medium- and Heavy-Duty Zero Emission Vehicle Memorandum of Understanding

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

Tom Wolf, Governor

Patrick McDonnell, Secretary

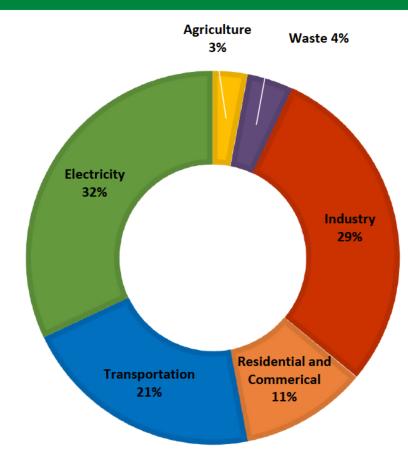
### Greenhouse Gas Emissions in the Northeast



Source: State Inventory Tool (2015 emissions excludes Pennsylvania)



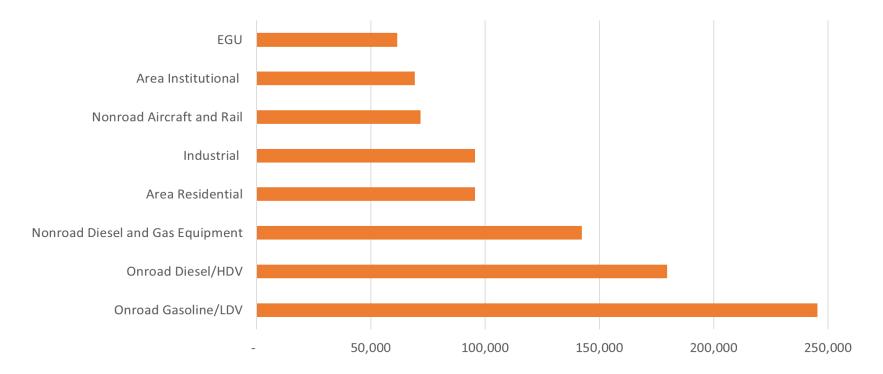
### Greenhouse Gas Emissions in Pennsylvania



Source: Pennsylvania Climate Action Plan



#### 2017 NOx Emissions in Mid-Atlantic/Northeast



tons



# **MOU** Concepts

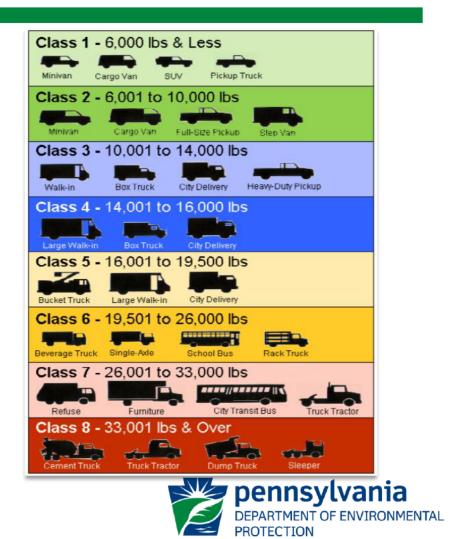
- Commits signatories to work together to foster a selfsustaining market for zero emission medium- and heavy-duty duty (MHD) vehicles.
- Calls for 30% of new truck and bus sales to be zero-emission by 2030 and 100% by 2050
- Emphasizes need to accelerate deployment of zero-emission trucks and buses in 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.



## MHD ZEV MOU Signatories

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:

FHWA Freight Analysis Framework <u>https://faf.ornl.gov/faf4/Extraction1.aspx</u> U.S. Bureau of Economic Analysis <u>https://apps.bea.gov/itable/iTable.cfm?ReqID=70&step=1#reqid=70&step=1&isuri=1</u>

DEPARTMENT OF ENVIRONMENTAL PROTECTION

#### **Tentative Timeline**

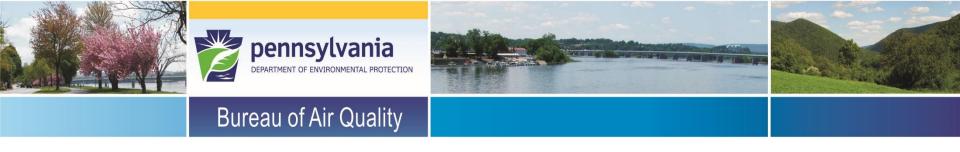




#### Outreach

- NESCAUM is speaking with national leaders in the fields of electric vehicles and infrastructure such as:
  - Automobile Manufacturers
  - $\,\circ\,$  Electric Utilities / PUCs
  - Environmental Justice Advocates
  - o 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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