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DEPARTMENT OF ENVIRONMENTAL PROTECTION

Bureau of Air Quality

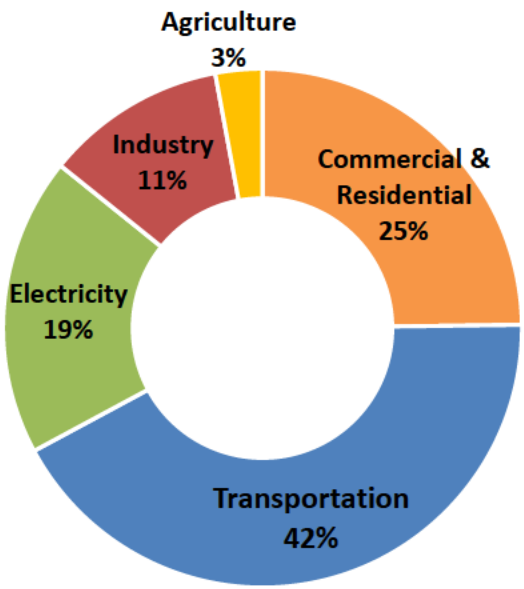
Medium- and Heavy-Duty Zero Emission Vehicle Memorandum of Understanding

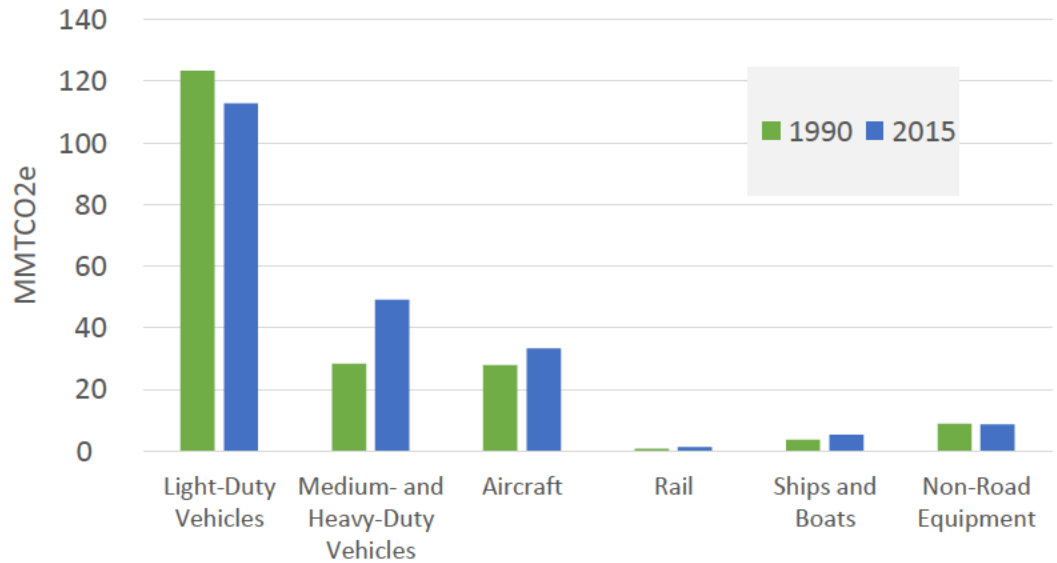
Small Business Compliance Advisory Committee
October 28, 2020
Harrisburg, PA

Tom Wolf, Governor

Patrick McDonnell, Secretary

Greenhouse Gas Emissions in the Northeast





Source: State Inventory Tool (2015 emissions excludes Pennsylvania)

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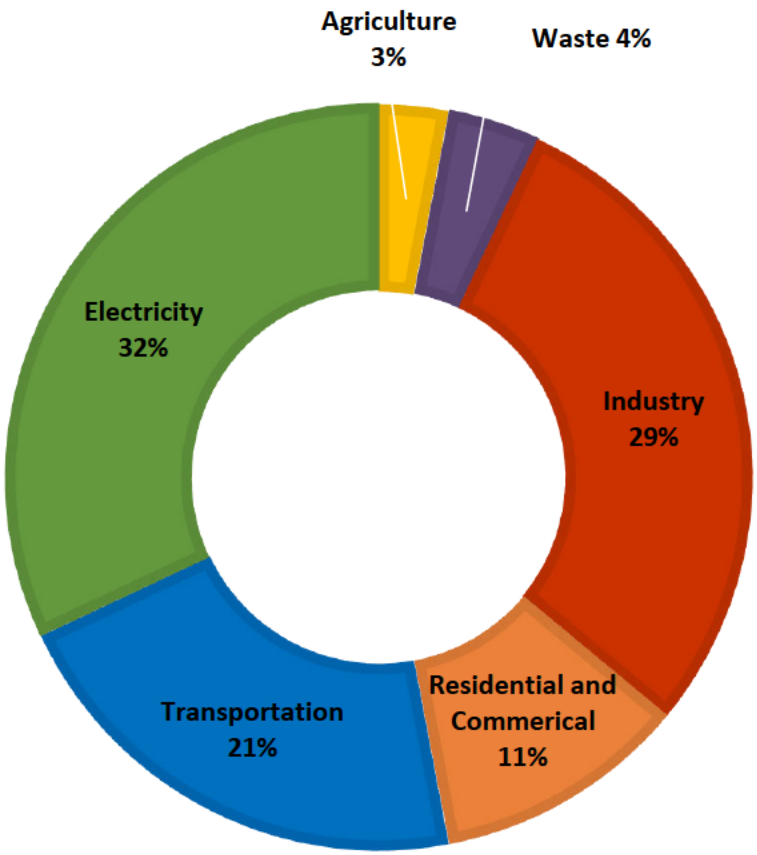
Greenhouse Gas Emissions in Pennsylvania



Source: Pennsylvania Climate Action Plan

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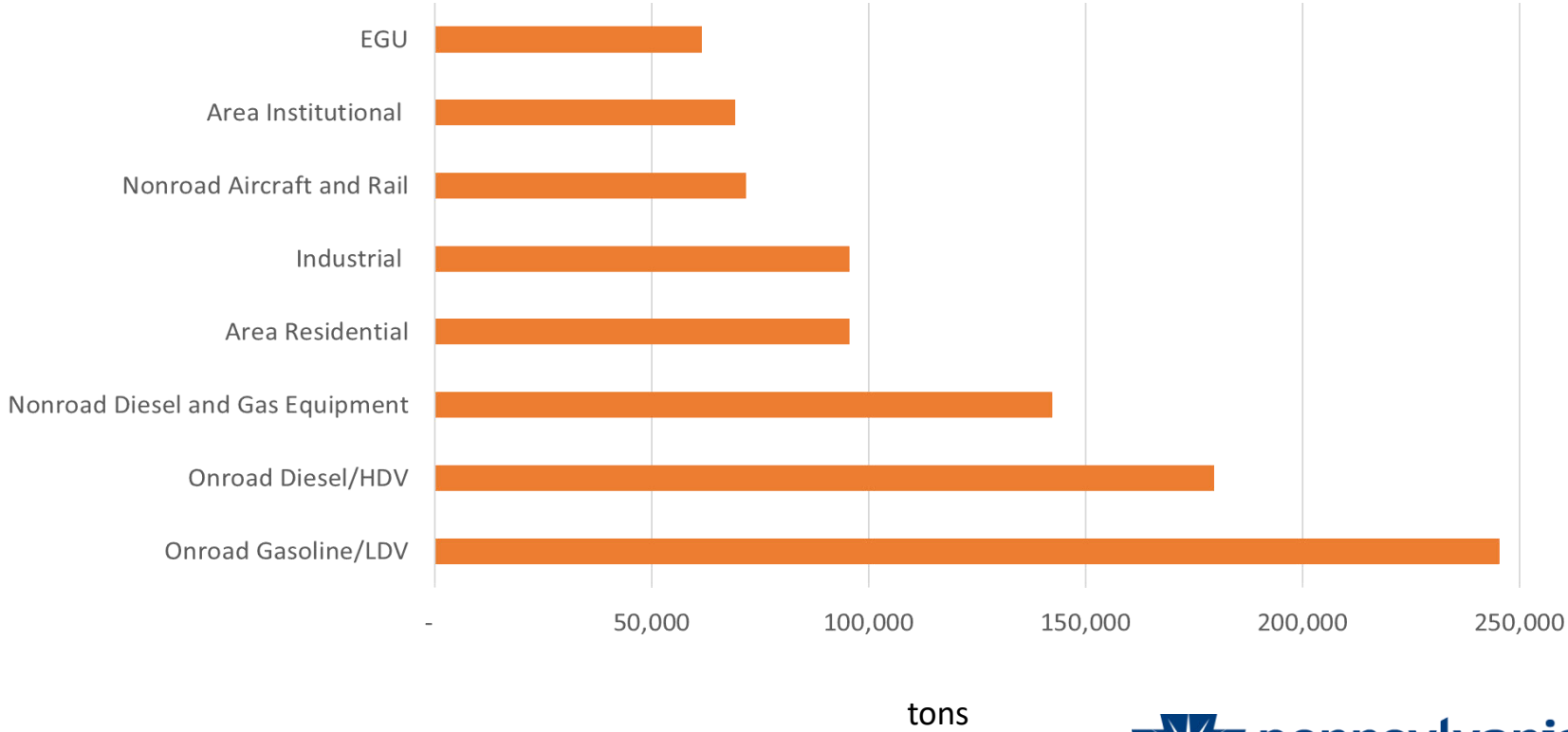
2017 NOx Emissions in Mid-Atlantic/Northeast



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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.

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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.

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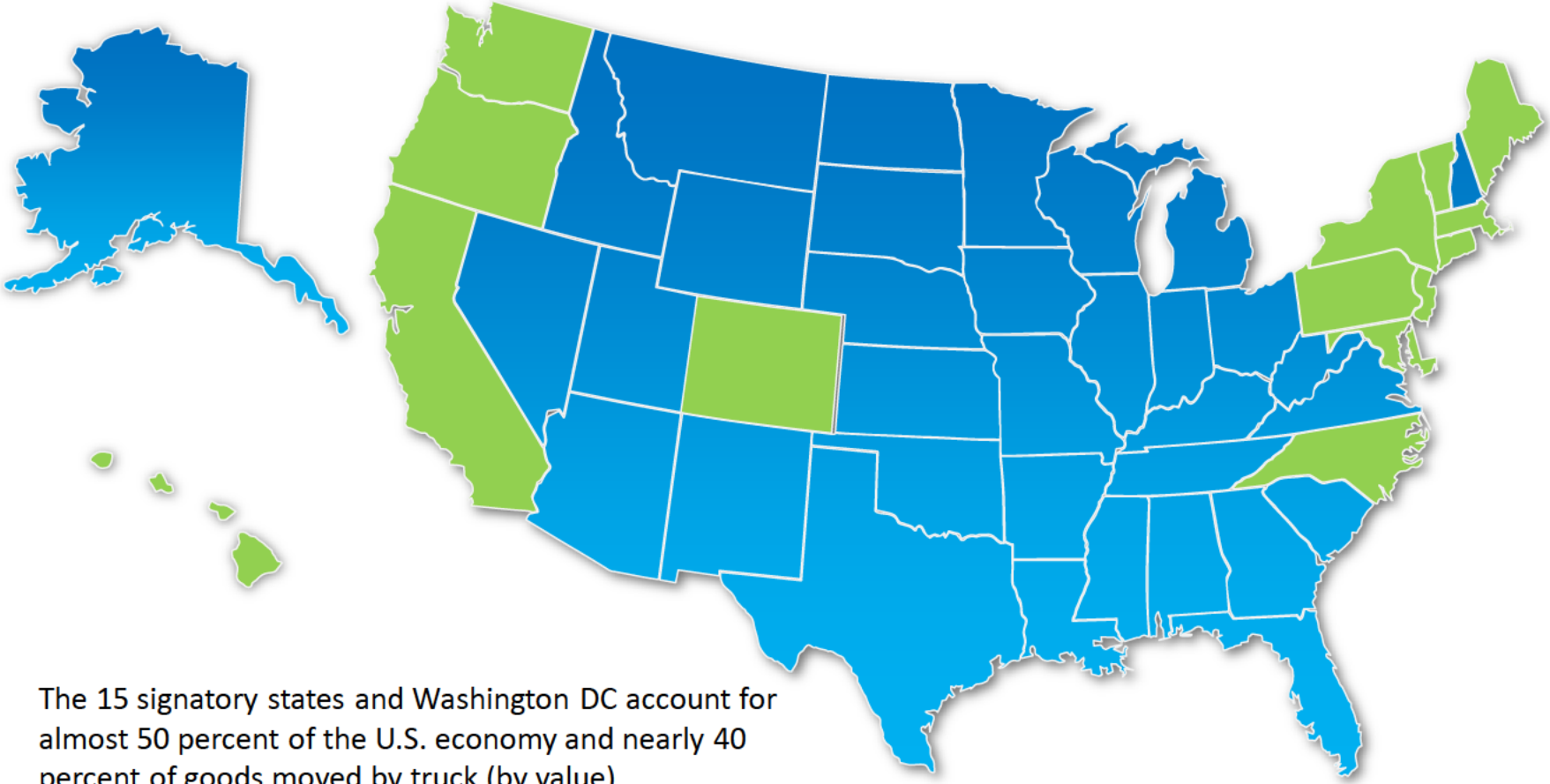
MHD ZEV MOU Signatories



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).

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Sources:
FHWA Freight Analysis Framework https://faf.ornl.gov/faf4/Extraction1.aspx
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

Fall 2020

Develop Draft Action Plan

Seek Stakeholder Input on Draft Plan

Jan-Feb 2021

March 2021

Revise Draft Action Plan

State Approval Process

April-May 2021

May/June 2021

Release Final Action Plan

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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.

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Contact

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