



2008 v2 National Emission Inventory

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Table 1: Percentage of emissions from different data sources in 2008 NEI by pollutant and EIS sector

Sector	S/L/T		EPA NP & Mob		EPA other		EPA EGU		EPA Nonroad		TRI		HAP		Acid Gases		HAP-VOC		HAP-Metals		
	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	NP	PT	
Agriculture - Crops & Livestock Dust																					
Agriculture - Fertilizer Application																					
Agriculture - Livestock Waste																					
Bulk Gasoline Terminals																					
Commercial Cooking																					
Dust - Construction Dust																					
Dust - Paved Road Dust																					
Dust - Unpaved Road Dust																					
Fires - Agricultural Field Burning																					
Fires - Prescribed Burning																					
Fires - Wildfires																					
Fuel Comb - Comm/Institutional - Biomass																					
Fuel Comb - Comm/Institutional - Coal																					
Fuel Comb - Comm/Institutional - Natural Gas																					
Fuel Comb - Comm/Institutional - Oil																					
Fuel Comb - Comm/Institutional - Other																					
Fuel Comb - Electric Generation - Biomass																					
Fuel Comb - Electric Generation - Coal																					
Fuel Comb - Electric Generation - Natural Gas																					
Fuel Comb - Electric Generation - Oil																					
Fuel Comb - Electric Generation - Other																					
Fuel Comb - Industrial Boilers, ICES - Biomass																					
Fuel Comb - Industrial Boilers, ICES - Coal																					
Fuel Comb - Industrial Boilers, ICES - Natural Gas																					
Fuel Comb - Industrial Boilers, ICES - Oil																					
Fuel Comb - Industrial Boilers, ICES - Other																					
Fuel Comb - Residential - Natural Gas																					
Fuel Comb - Residential - Oil																					
Fuel Comb - Residential - Other																					
Fuel Comb - Residential - Wood																					
Gas Stations																					
Industrial Processes - Cement Manuf																					
Industrial Processes - Chemical Manuf																					
Industrial Processes - Ferrous Metals																					
Industrial Processes - Mining																					
Industrial Processes - NEC																					
Industrial Processes - Non-Ferrous Metals																					
Industrial Processes - Oil & Gas Production																					
Industrial Processes - Petroleum Refineries																					
Industrial Processes - Pulp & Paper																					
Industrial Processes - Storage and Transfer																					
Miscellaneous Non-Industrial NEC																					
Mobile - Aircraft																					
Mobile - Commercial Marine Vessels																					
Mobile - Locomotives																					
Mobile - Non-Road Equipment - Diesel																					
Mobile - Non-Road Equipment - Gasoline																					
Mobile - Non-Road Equipment - Other																					
Mobile - On-Road Diesel Heavy Duty Vehicles																					
Mobile - On-Road Diesel Light Duty Vehicles																					
Mobile - On-Road Gasoline Heavy Duty Vehicles																					
Mobile - On-Road Gasoline Light Duty Vehicles																					
Solvent - Consumer & Commercial Solvent Use																					
Solvent - Degreasing																					
Solvent - Dry Cleaning																					
Solvent - Graphic Arts																					
Solvent - Industrial Surface Coating & Solvent Use																					
Solvent - Non-Industrial Surface Coating																					
Solvent - Industrial Surface Coating & Solvent Use																					
All sectors																					

What data sources makeup the NEI?

Data in the NEI come from a variety of sources. The emissions are predominantly from S/L/T agencies for both CAP and HAP emissions. In addition, EPA quality assures and augments the data provided by states to assist with data completeness, particularly with the HAP emissions since the S/L/T HAP reporting is voluntary. Additional details on EPA's augmentation datasets are available in the 2008 v2 Documentation.

Figure 1: Data sources for point and nonpoint emissions for criteria pollutants

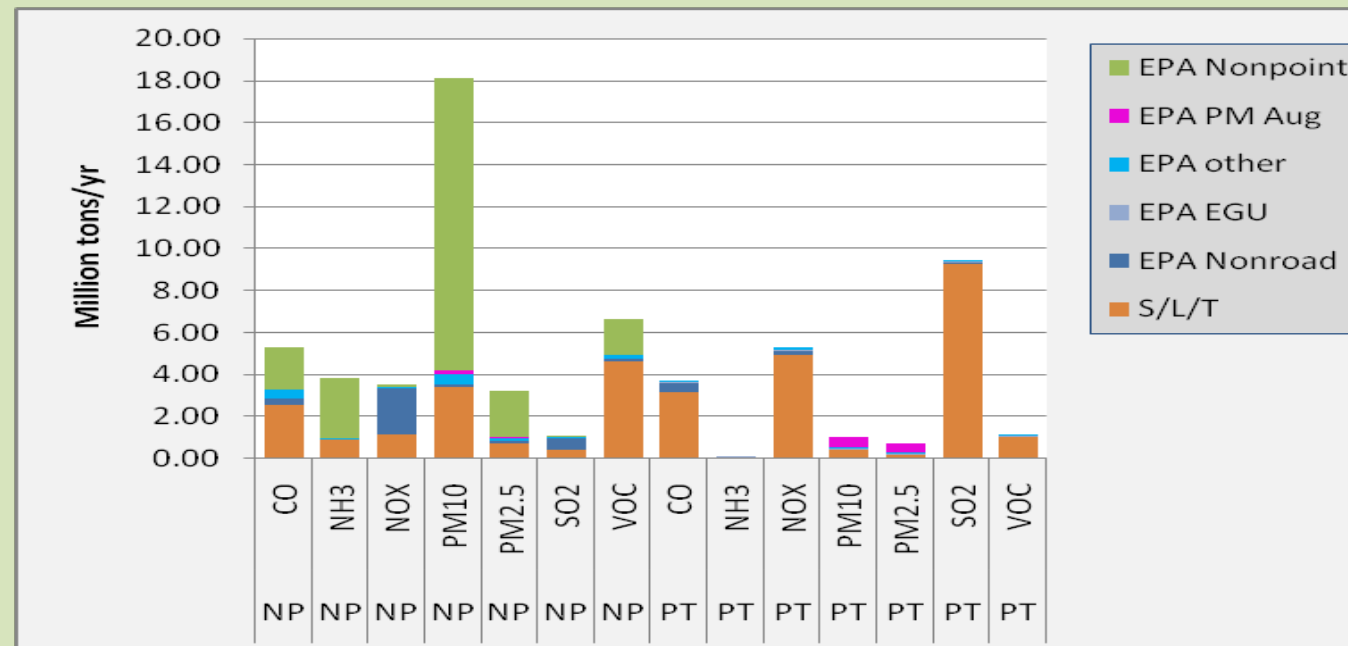


Figure 2: Data sources for point and nonpoint emissions for acid gases and HAP VOCs

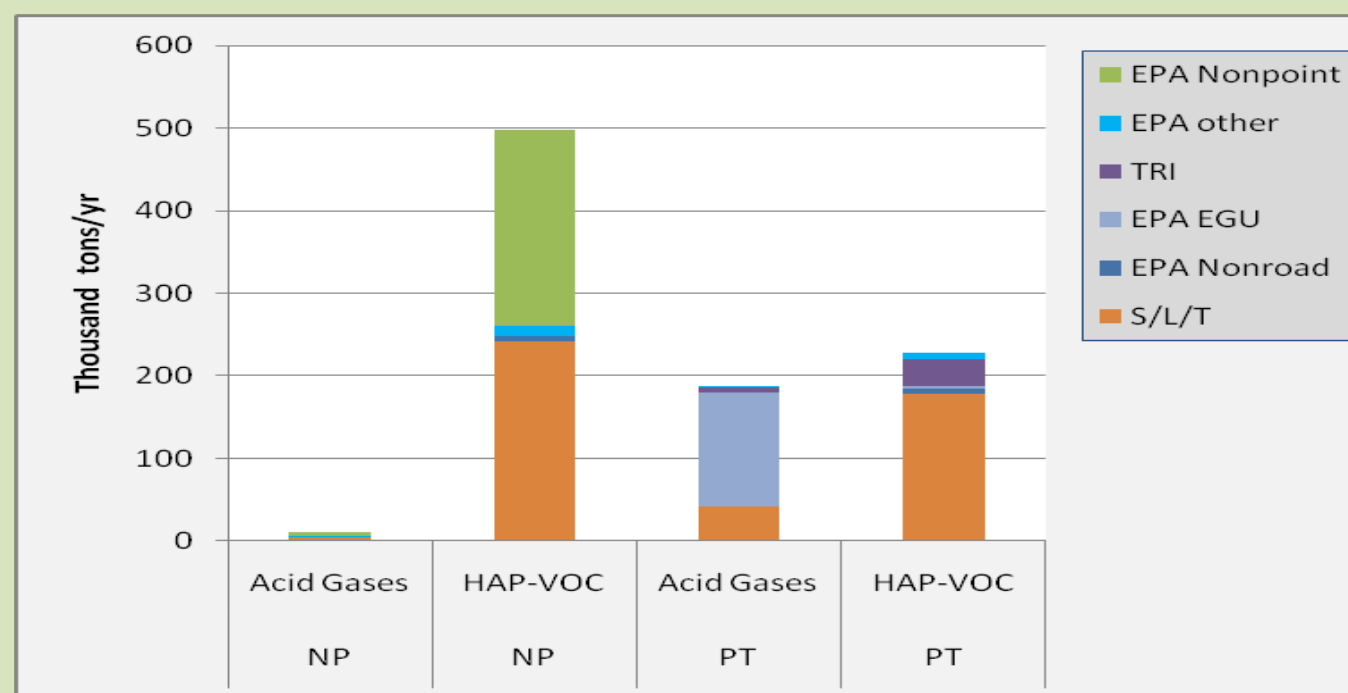


Figure 3: Data sources for point and nonpoint emissions for Pb and HAP metals

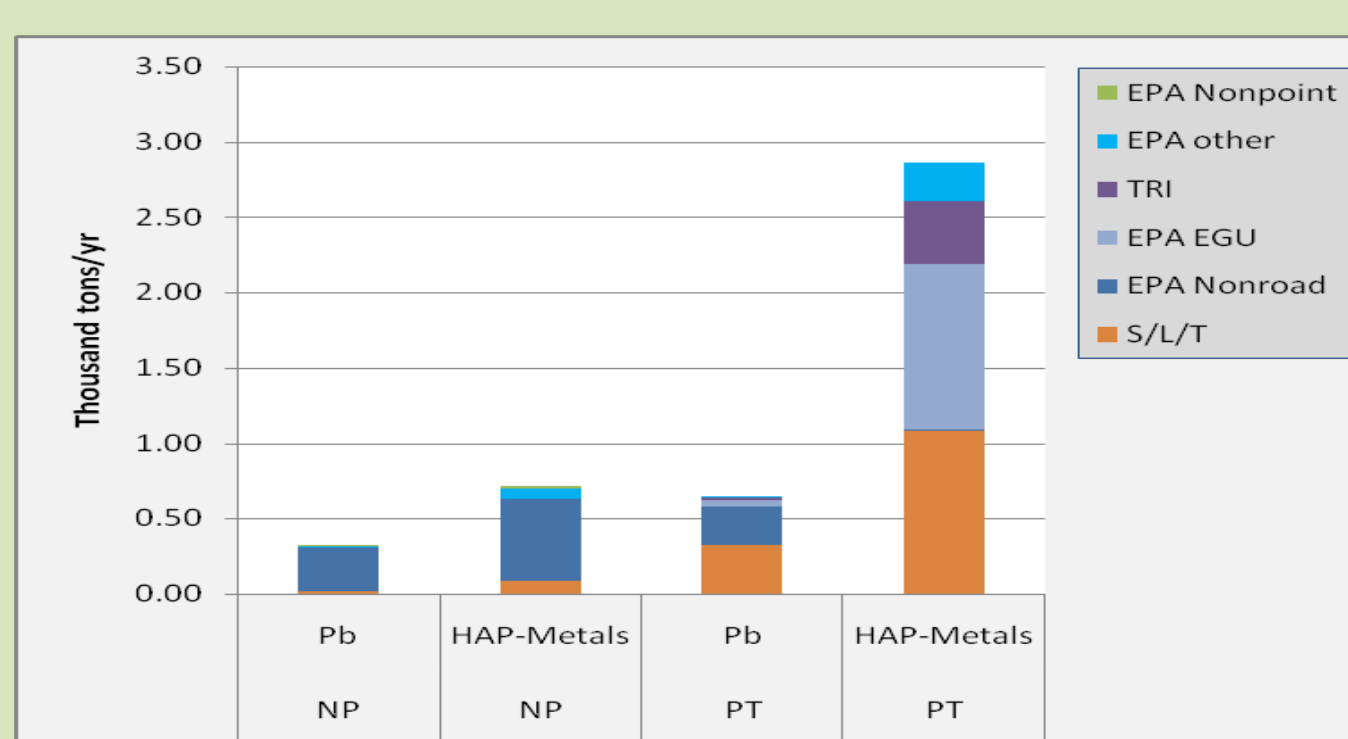
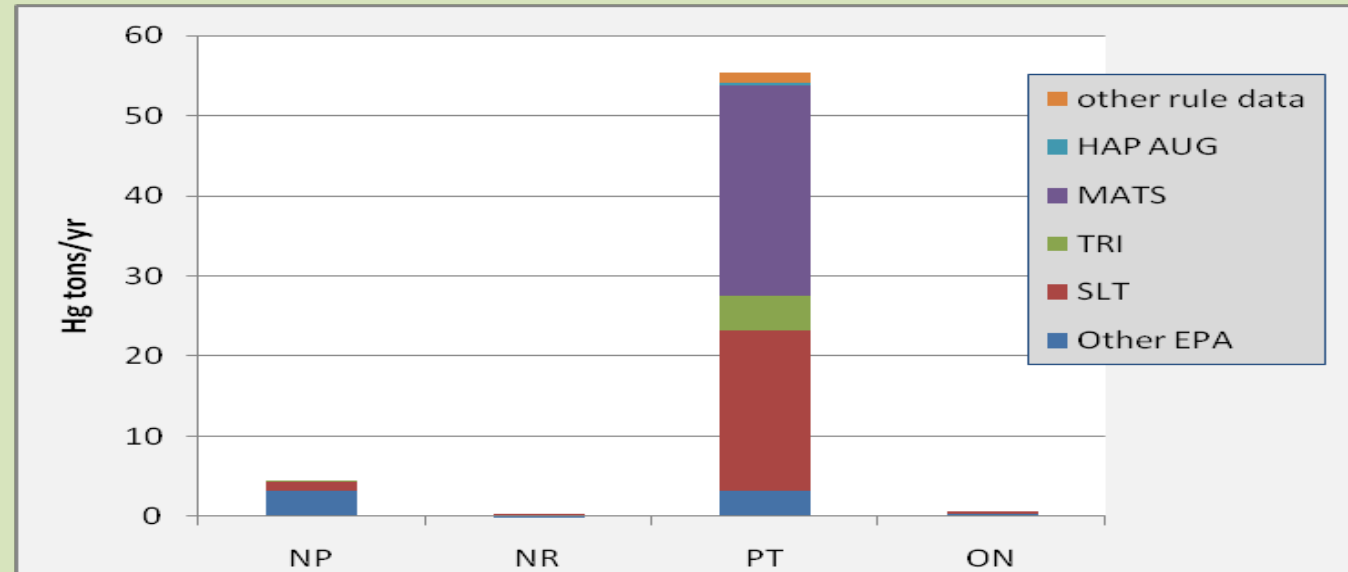


Figure 4: Data sources of Hg emissions in the 2008 NEI, by data category



What data are included in the 2008 NEI, version 2 General Public Release?

The 2008 National Emissions Inventory (NEI), version 2 General Public Release is a national compilation of emissions sources collected from state, local, and tribal air agencies as well as from emissions information from EPA emissions programs including the Toxics Release Inventory (TRI), emissions trading programs such as the Acid Rain Program, and data collected as part of EPA regulatory development for reducing emissions of air toxics. The NEI program develops datasets, blends data from these multiple sources, and performs quality assurance steps that further enhance and augment the compiled data. The emissions data in the NEI are generally provided for detailed emissions processes within a facility for large "point" sources or within a county for smaller "nonpoint" sources.

The pollutants included in the NEI are the pollutants related to implementation of the National Ambient Air Quality Standards (NAAQS), known as criteria air pollutants (CAPs), as well as hazardous air pollutants (HAPs) associated with EPA's Air Toxics Program. The CAPs have ambient concentration limits or are precursors for pollutants with such limits from the NAAQS program. These pollutants include lead (Pb), carbon monoxide (CO), nitrogen oxides (NOX), volatile organic compounds (VOC), sulfur dioxide (SO2), ammonia (NH3), particulate matter 10 microns or less (PM10) and particulate matter 2.5 microns or less (PM2.5). The HAP pollutants include the 187 remaining HAP pollutants from the original 188 listed in Section 112(b) of the 1990 Clean Air Act Amendments. Key HAP emissions sources include mercury (Hg), hydrochloric acid (HCl) and other acid gases, heavy metals such as nickel and cadmium, and hazardous organic compounds such as benzene, formaldehyde, and acetaldehyde. The current list of HAPs is available at <http://www.epa.gov/ttn/atw/188polls.html>.

Who submitted what data?

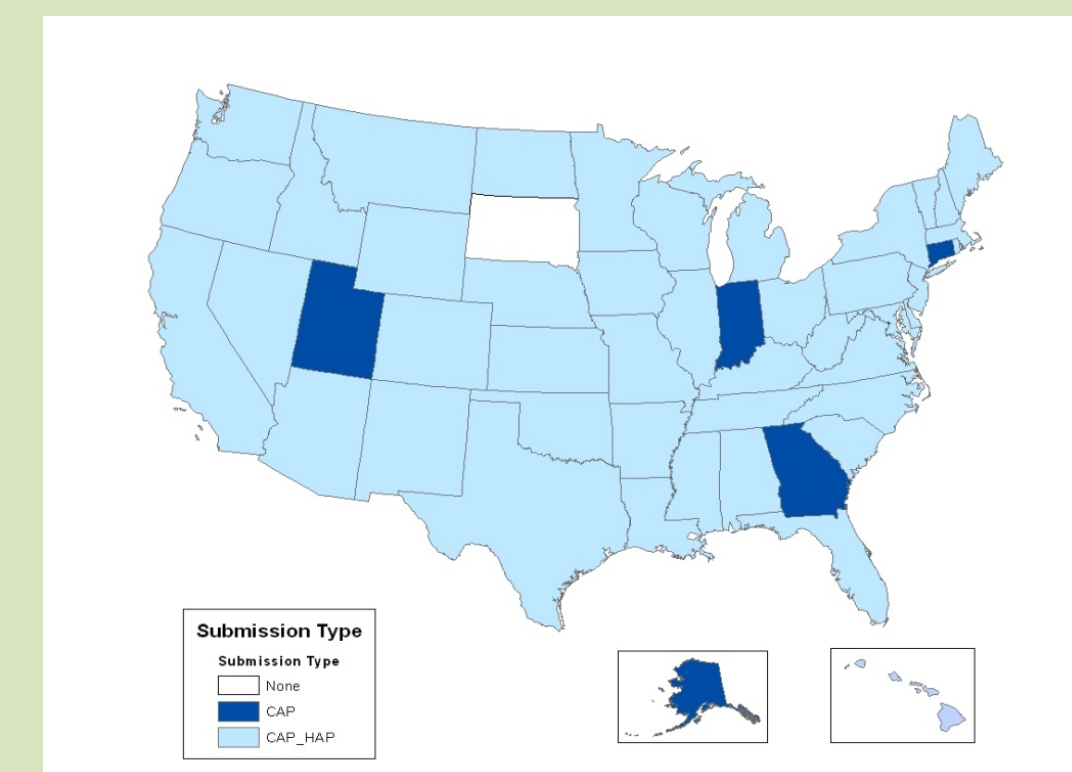


Figure 5: Point Inventory

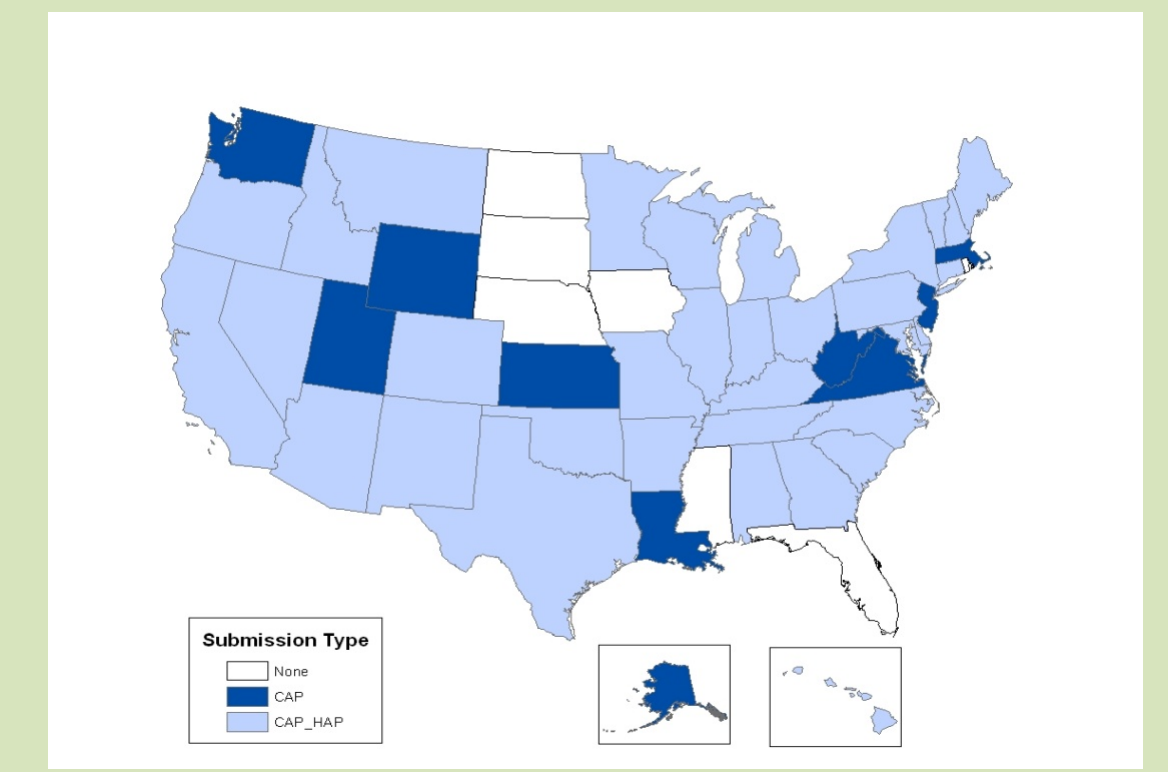


Figure 6: Nonpoint Inventory

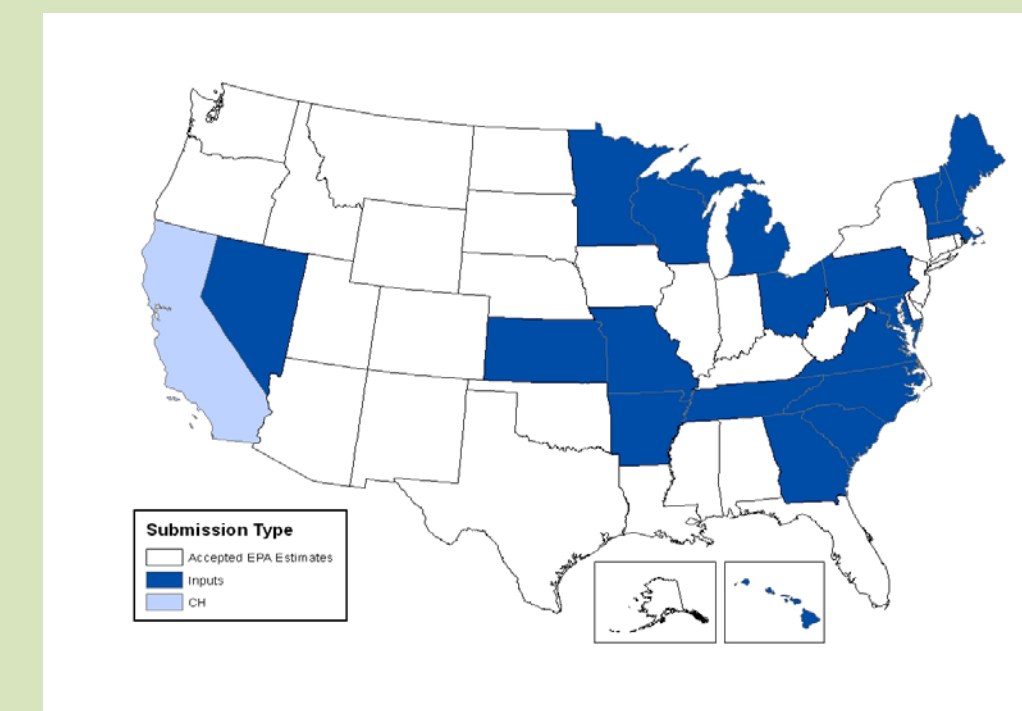


Figure 7: Onroad Inventory

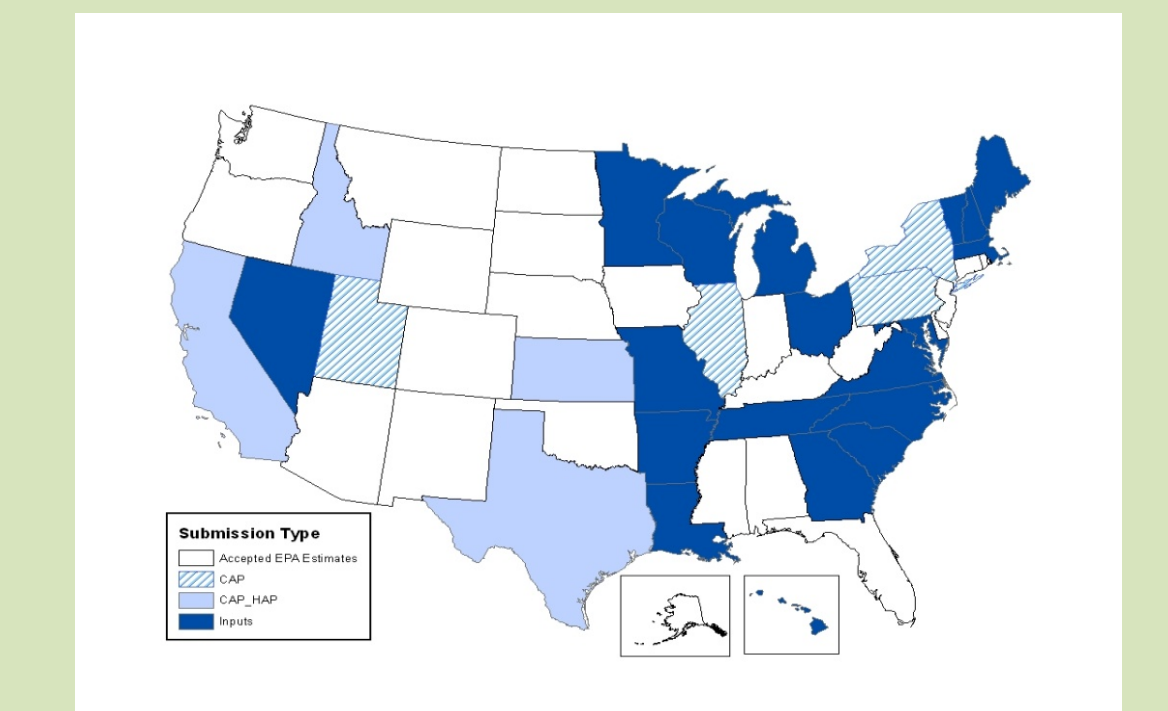


Figure 8: Nonroad Inventory