U.S. Greenhouse Gas Emissions (GHG)

Transportation represents approximately 32% of the total Greenhouse Gas (GHG) produced in Maryland. In the United States, on average, it represents around 29-30% of GHG emissions produced (see figure 2.2). Based on the US EPA Inventory of US GHG emissions for 2006, and published in 2008, approximately **79%** of transportation GHG emissions is produced by "on-road" travel such as light-duty vehicles, HD trucks, buses and motorcycles. The remaining off-road" transportation emissions are comprised of the following percentages based on the most current US data. Note that Maryland specific percentages by sector will change, but not significantly.

Aircraft operations: 11.6%

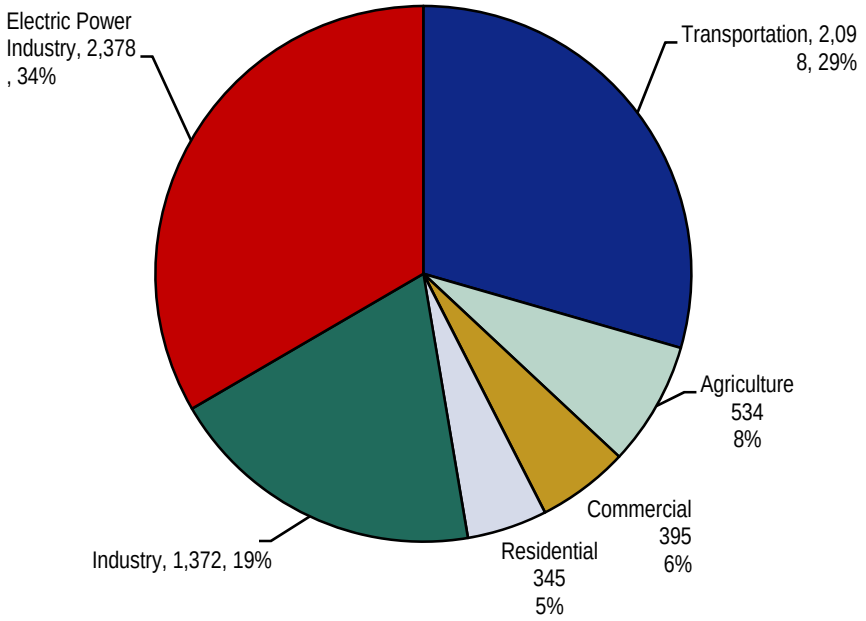
Marine operations: 5% (it would be higher in Maryland given that we have a major port and inland waterway)

Pipelines: 1.5%

Rail operations: 2.8%

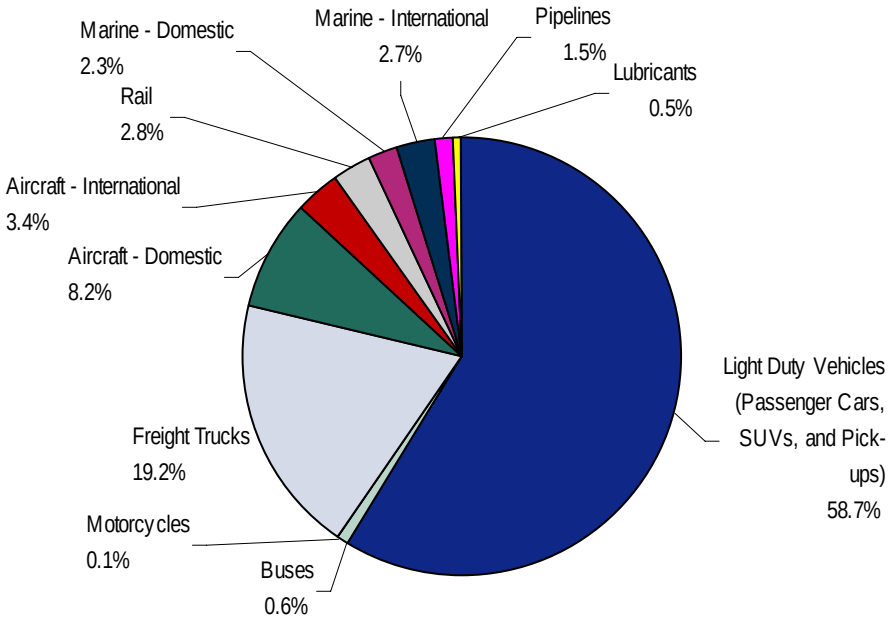
It should be noted that the State is presently developing an updated GHG inventory which is required by EPA using newly required procedures and models. With that note it should be understood that the aforementioned percentages could change over the next year or so.

Figure 2.2 U.S. Greenhouse Gas Emissions by End Use Economic Sector, million metric tons CO_2 equivalent
2006



Source: U.S. EPA (2008). *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 to 2006.*

Figure 2.3 U.S. Greenhouse Gas Emissions by Transportation Mode
2006



Source: U.S. EPA (2008). *Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990 to 2006*, pages 3-9, 3-30, 3-31.