

Compressed Natural Gas-Fueled Trucks

US EPA Region 5: Wisconsin, Minnesota, Michigan, Illinois

Key Project Information:

Equipment: Class 8 Diesel Truck
Project: Replace with CNG-Fueled Trucks
Location: US EPA Region 5
Number of Vehicles: 17
Project Year: 2013
Funding Agency: US EPA — National Clean Diesel Funding Assistance Program



The inhalation of diesel emissions can trigger adverse health problems, including chest pain, coughing, throat irritation and congestion and can worsen bronchitis, emphysema and asthma. Emissions from older diesel trucks can contribute to air pollution by producing particulate matter (PM) and nitrogen oxides (NOx) that can be harmful to not only the driver, but also to the surrounding communities and environment.

In 2012, Leonardo Academy was awarded a grant from the Environmental Protection Agency's (EPA) National Clean Diesel Funding Assistance Program to assist several Midwest fleets in replacing older diesel vehicles with new compressed natural gas (CNG) vehicles.

Lifetime Emissions Reductions:

Nitrous Oxides = 198 Short Tons
Particulate Matter = 17 Short Tons
Carbon Monoxide = 102 Short Tons
Carbon Dioxide = 16,819 Short Tons

Paper Transport, Convenience Transportation, Dynamic Recycling, and Time Transport are regional fleet operators with distribution centers in Michigan, Minnesota, Wisconsin and Illinois. These carriers, who drive over 20 million loaded miles annually, used grant money to replace old diesel trucks with new CNG trucks. The new trucks will eliminate harmful greenhouse gases and cut operating and maintenance costs while delivering performance and meeting the environmental, economic, and social needs of the communities as they traverse the region's most heavily traveled goods-movement truck routes.