Leonardo Academy facilitated a $900,000 award for United Parcel Service (UPS) and Coca-Cola Refreshments (CCR) from the Environmental Protection Agency to help reduce emissions from delivery trucks. Reducing emissions from diesel engines is currently one of the most important air quality challenges facing the country. Even with EPA’s more stringent heavy-duty highway and non-road engine standards set to take effect over the next decade, millions of diesel engines already in use will continue to emit large amounts of nitrogen oxides, particulate matter and air toxics, which contribute to serious public health problems.

With its commitment to conserving fuel and decreasing emissions, UPS initiated early retirement of thirty 1997-1999 Class 8 delivery trucks that provided service in and around nonattainment or moderate nonattainment areas in Louisiana, Texas and Missouri with new trucks that meet EPA 2010 engine emission standards and are equipped with selective catalytic reduction systems. Additionally for this project, CCR volunteered the early retirement and replacement of ten Class 8 delivery trucks that service Houston, Texas with 2012 hybrid-electric trucks. From past experience CCR hybrids use 30 percent less fuel and produce about 30 percent fewer emissions than standard tractors. All technologies acquired are verified by the EPA to maximize fuel economy and reduce emissions.

### Estimated Project Benefits:

- **CO₂ Reduced**: 5,128 tons
- **NOₓ Reduced**: 1,289 tons
- **PM Reduced**: 61.31 tons
- **Diesel Savings**: 462,000 gal
- **Fuel Cost Savings**: $2,079,000