



# American Recovery and Reinvestment Act: Retrofit Heavy-Duty Trucks Powered by Non-Exhaust Gas Recirculation Engines with Johnson Matthey's Selective Catalytic Reduction Technology (SCRT)

Under the American Recovery and Reinvestment Act of 2009, the Environmental Protection Agency (EPA) selected and awarded the South Coast Air Quality Management District (SCAQMD) \$2,000,000 to retrofit heavy-duty diesel trucks powered by non-exhaust gas recirculation engines with Johnson Matthey Selective Catalytic Reduction Technology (SCRT).

## What is the purpose of this project?

The EPA has selected the SCAQMD for \$2,000,000 in funding to retrofit ninety heavy-duty diesel trucks with Johnson Matthey's Selective Catalytic Reduction Technology. The project is expected to reduce approximately 30 tons of particulate matter (PM), 1000 tons of



nitrogen oxides, and 300 tons of carbon monoxide. (This technology does not reduce CO<sub>2</sub>).

## Why is this project important for air quality?

This project will help improve air quality in the South Coast Air Basin which includes Orange County, parts of Los Angeles, and the Riverside and San Bernardino Counties.

The associated health benefits of this project include reduced risks in premature death, cancer, respiratory illness, and asthma. These health benefits are much needed in the South Coast Air Basin, which is designated for non-attainment in both ozone and PM<sub>2.5</sub>. This project is estimated to preserve or create 19 jobs during the first two years. The project will also boost the economy by increasing technology sales and manufacturing.

## How does this project relate to the Recovery Act Funding Priorities?

- Job Preservation/Creation and Economic Benefit – 19 Jobs
- Increase Economic Efficiency - \$26 million long term benefits

## How do I find out more about ARRA?

For more information regarding the American Recovery and Reinvestment Act, please visit the Recovery Homepage (<http://www.recovery.gov>).

## How Do I Find Out More?

For more information on The Diesel Emissions Reduction Act (DERA) and EPA's National Clean Diesel Campaign, please visit: [www.epa.gov/cleandiesel](http://www.epa.gov/cleandiesel)

For more information about the South Coast Air Quality Management District, please visit: [www.aqmd.gov](http://www.aqmd.gov)