

# VILLAGE OF NORTHBROOK

## Public Works Department

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### Diesel Retrofit Program

Oxidation Catalyst Installation - August 7, 2006

The Village of Northbrook is committed to using the latest technology for reducing exhaust emissions to improve our air quality in this region and lessening our dependence on foreign oil. As an example, we purchase 116 megawatts of wind generated energy for our Water Utility from the Com-Ed Community Energy Wind Farm at Crescent Ridge – 100± miles southwest of here.

We also purchase low emission vehicles for our diverse fleet which use gasoline, diesel, biodiesel and ethanol products. Federal regulations and available technologies are changing rapidly along with expectations of the public. We remain alert for opportunities to become better environmental stewards and to share lessons learned.

In 2005, Public Works staff retrofitted 13 diesel powered vehicles with *Oxidation Catalysts* that have reduced emissions. Four additional units have been ordered and will be installed when delivered in the near future. The environmental benefits of diesel oxidation catalysts include:

- Reduction of particulate matter emissions (soot) by 25-33%
- Reduction of carbon monoxide emissions by 13-23%
- Reduction of hydrocarbons by 50-52%

This project was 100% grant funded (parts and in-house labor totaling \$16,561) from the *Clean Air Counts* program administered through the Chicago Department of Environment. The Village would like to recognize and thank those agencies, individuals and foundations that made this funding possible to improve the air quality of our metropolitan area:

- *Clean Air Counts* is an air quality improvement program managed through the Metropolitan Mayors Caucus.
- The Metropolitan Mayors Caucus is a coalition of mayors from 272 municipalities in the Chicago metropolitan area, including the Village of Northbrook. The Caucus is a voice for regional approaches to issues and challenges, such as economic development, tax reform, air and water quality, transportation and housing.
- *Clean Air Counts* was developed through a partnership of representatives of Caucus membership, U.S. EPA, Illinois EPA, City of Chicago, and regional chambers of commerce, non-profit organizations, and environmental groups.
- *Clean Air Counts* and the Village of Northbrook would like to thank Senator Richard Durbin and Congressman Kirk for their continued support of this campaign. Clean Air Counts is made possible by the generous financial support of The Chicago Community Trust, Gaylord and Dorothy Donnelley Foundation, Grand Victoria Foundation, John D. and Catherine T. MacArthur Foundation, and the U.S. Environmental Protection Agency.