

# MICHIGAN CLEAN DIESEL EFFORTS

## Michigan Clean School Bus USA Grants

### 2004 –

**Okemos** (\$70,000): Partnered with Department of Environmental Quality (DEQ), 10 other school districts, technology vendors and local communities, Okemos Public Schools used a \$70,000 Clean School Bus USA grant and \$12,500 district match to retrofit **78 buses**.

**Ann Arbor** (\$95,357): Retrofit **110 buses** and to also provide a two-year supply of **biodiesel fuel for 18 buses** in the neighboring Manchester Community Schools.

### 2005 –

**Okemos** (\$388,519): Expanded 2004 program by retrofitting an additional **283 buses** from every participating school district located in Michigan's 25 ozone and 7 PM<sub>2.5</sub> nonattainment counties.

**Traverse City** (\$140,365): Received grant with the school district contributing an additional \$38,956, to retrofit **120 school buses** and to **replace one 1984 model year school bus**.

### 2006 –

**NextEnergy** (\$95,000): Retrofit **58 school buses** in the Hamilton Community Schools, Hartland Consolidated Schools, Howell Public Schools, and the Edwardsburg School District.

**Tuscola** (\$50,000): Retrofit up to **24 buses** with diesel oxidation catalysts for improved emissions and offset biodiesel costs. Helped purchase **biodiesel for all 75 buses** in the Tuscola Intermediate School District, Cass City Public, Vassar Public, and Millington Community Schools.

### 2007 –

**St. Clair** (\$166,185): Retrofit **183 buses** with diesel oxidation catalysts. St. Clair Regional Education Service Agency will use cleaner fuels, and/or replace older school buses.

**Elkton Pigeon Bay** (\$59,120): Retrofit **12 school buses** with emission-reducing diesel oxidation catalysts and replace the district's heaviest polluting bus. District will use **B20, a bio-diesel**, and hold a workshop for other Huron County school districts on the benefits of B20 and diesel oxidation catalysts.

## Midwest Clean Diesel Initiative Grant

### 2008 –

**Southeast Michigan Diesel Reduction Project** (\$495,320): [EPA: \$196,880; Private Match: \$200,000; EPA Match incentive: \$98,440] The Michigan DEQ, in coordination with its partners in the Michigan Clean Diesel Initiative, administered the Southeast Michigan Diesel Reduction Project. EPA's allocation was matched by a private contribution by Marathon Oil Company to qualify the project for EPA's match incentive. The Southeast Michigan Diesel Reduction Project is focused on decreasing diesel emissions via the retrofit of school buses in metropolitan Detroit. Reductions occurred by installation of EPA and/or California Air Resources Board verified technologies, including particulate filters, oxidation catalysts, or crank case filtration systems. The project also provided a general education and outreach component administered by partners and the Michigan Clean Diesel Initiative.

### 2009 –

#### Michigan Clean Diesel Recovery and Reinvestment Project Awards

1. Detroit Wayne County Port Authority – Nicholson Terminal and Dock Company: \$141,700
2. Detroit Wayne County Port Authority – Waterfront Petroleum Terminal Company: \$309,913
3. Flint Mass Transit Authority: \$162,705 Certified replacement engines for 10 urban buses
4. Okemos Public Schools: \$153,964 Exhaust control retrofit equipment for School (district) buses statewide.
5. Southwest Detroit Environmental Vision: \$370,367 Reduction technology, exhausts retrofit equipment, and certified engine replacements for non-road construction equipment and marine ferries.
6. Whiteline Express, Ltd.: \$79,200 Thirty (30) long-haul truck idle reduction technologies.
7. Zeeland Public Schools \$309,648 Replace eight diesel engine school buses with eight propane powered school buses and the installation of exhaust control equipment on six additional school buses.