Federal Funding Summary for DERA and ARRA Projects in Ohio to Reduce Diesel Emissions

Diesel Emission Reduction Act (DERA 2017-2018)

In September, 2017, USEPA awarded a State Clean Diesel Grant #DS 00E66504 to Ohio EPA for $405,616, supplemented with an additional $418,260 in 2018, to support two projects, one for a school bus replacement and one for tug boat replacements.

**Madison Local Schools**, Lake County, $19,394 for 25% of the cost to replace one model year 2001 diesel school bus with one model year 2018 clean diesel bus. #D17F-039. This grant is supported with federal DERA funds. Contact Michael Vaccariello, 440-428-9328 or Michael.Vaccariello@madisonschools.net

**The Great Lakes Towing Company**, Cuyahoga County, $804,482 for 40% of the engine components to replace eight aging tug boats that have unregulated emissions working Ohio ports on Lake Erie with four new tug boats with Tier 3 emission rated engines, #V17F-001. The new tugs incorporate diesel-electric hybrid technology and can run on batteries when not providing a ship assist service. The federal DERA funds supporting this grant are matched with $1,427,182.64 pledged by Ohio EPA from Ohio’s share of the Volkswagen Mitigation Trust Fund. The project is included in the Ohio’s Beneficiary Mitigation Plan that was filed with the VW Settlement Trustee May 31, 2018. Contact Robert Zadkovich, 216-367-8130 or rjz@thegreatlakesgroup.com

Diesel Emission Reduction Act (DERA 2014-2016)

In July 2014, USEPA awarded a State Clean Diesel Grant #DS00E-66503 to Ohio EPA for $154,722 to retrofit eligible diesel school buses with emission control and idle reduction equipment in 2014-2015. In August 2015, US EPA awarded an additional $244,031 to Ohio EPA to continue this effort, and in July 2016, an additional $240,830 to assist school districts with the purchase of new lower emission buses to replace aging diesel buses. The total of $637,288 in federal funds is matched with a total of $374,147 in state civil penalty dollars collected by Ohio EPA for pollution violations, and awarded to local school districts for additional retrofits and replacements. These combined funds have been used to retrofit 121 school buses with diesel oxidation catalysts, 10 school buses with diesel particulate filters, and 41 buses with
direct-fired heaters for idle reduction. Funds were also used to replace 24 school buses (ten with new propane buses and 14 with new clean diesel buses). These projects are located in 21 different priority counties for improving air quality. These combined projects reduced annual emissions of PM 2.5, NOx, CO, HC and CO2 by an estimated 38 tones, and lifetime emissions by an estimated more than 503 tons.

**Alexander Local Schools**, Athens County, $11,708 to install diesel oxidation catalysts (DOCs) on seven buses, #B2015F-001. This grant is supported with federal DERA funds. Contact: Dan Phillips, 740-698-8831 ext. 41 dphillips@alexanderschools.org

**Barnesville Exempted Village Schools**, Belmont County, $201,258 to replace 9 older diesel buses with 9 propane fueled 2016 buses. #D16F-028. This grant is supported with federal DERA funds. Contact: John Blattler, 740-425-3615 or john.blattler@bevsd.org

**Black River Local Schools**, Medina County, $22,376 to replace one diesel bus with one new clean diesel bus. #D16F-001. This grant is supported with federal DERA funds. Contact Chris Clark, 419-736-3300 x101 or cclark@blackriver.k12.oh.us

**Blanchester Local Schools**, Clinton County, $14,823 to install DOCs on nine buses. #2014S-008. This grant is supported with state civil penalties. Contact: Barbara Prater, praterb@blan.org 937-783-3714

**Bloom-Vernon Local Schools**, Scioto County, $77,365 to replace four older diesel buses with new diesel buses, #D16F-051. This grant is supported with federal DERA funds. Contact: Adam Howe, adam.howe@mail.by.k12.oh.us 740-778-2339

**Bridgeport Exempted Village Schools**, Belmont County, $9,408 to install DOCs on 6 buses, #B2011S-035. This grant is supported with state civil penalties. Contact: Edward Minor, Ed.minor@omeresa.net 740-635-0853, ext. 4200

**Clear Fork Valley Local Schools**, Richland County, $34,564 to install DOCs and pre-heaters on eight buses, #B2014S-004. This grant is supported with federal DERA funds. Contact: Kelly Stanford stanfordk@clearfork.k12.oh.us, 419-886-3491

**Columbus City Schools**, Franklin County, $151,082 to install diesel particulate filters (DPFs) on 10 buses and a filter cleaning system, #B2016F-001. This grant is supported with state civil penalties. Contact: Jeff Vrabel, jvrabelsr@columbus.k12.oh.us 614-365-5263

**Dover City Schools**, Tuscarawas County, $19,307 to install DOCs and pre-heaters on five buses, #B2014S-003. This grant is supported with state civil penalties. Contact: Jim Cercone, cercone@dovertornadoes.com 330-364-1906

**James A. Garfield Local Schools**, Portage County, $14,155 to install DOCs on nine buses. #B2016F-004. This grant is supported with state civil penalties. Contact: Brenda Byich, BBByich@jagschools.org 330-527-4250

**Licking Valley Local Schools**, Licking County, $42,424 to replace two diesel buses with two
new clean diesel fueled buses # D16F-004. This grant is supported with a combination of federal DERA funds and state civil penalties. Contact: Mickey Archer, 740 763-3775 or archerm@lickingvalley.k12.oh.us

**Lima City Schools**, Allen County, $11,662 to install DOCs on seven buses. #B2015F-008. This grant is supported with federal DERA funds Contact: Randy Crossley, rcrosslely@limacitieschools.org 419-996-3454

**Maple Heights City Schools**, Cuyahoga County, $33,562 to install DOCs and pre-heaters on 8 buses, #B2015F-006. This grant is supported with federal DERA funds. Contact: Charinita McDonald, Charinita.mcdonald@mapleschools.com 216-510-6412

**Minster Local Schools**, Auglaize County, $6,664 to install DOCs on four buses. #B2014S-005. This grant is supported with state civil penalties. Contact: Donald E. Patch, (419) 628-2324, ext. 2039 don.patch@minsterschools.org.

**Northern Local Schools**, Perry County, $8,180 to install DOCs and pre-heaters on two buses, #B2014S-006. This grant is supported with federal DERA funds. Contact: Mike Washburn, nomwashburn@seovec.org 740-743-1533

**Northwest Local Schools**, Stark County, $22,926 to replace one older diesel bus with a 2016 propane fueled bus. #D16F-006. This grant is supported with federal DERA funds. Contact: Raymond Gesaman, 330-854-3301 or gesaman.r@northwest.sparcc.org

**Norwalk City Schools**, Huron County, $14,457 to install DOCs on nine buses. #B2015F-004. This grant is supported with federal DERA funds. Contact: Dustin Brown, brownd@norwalktruckers.net (419) 660-1822

**Piqua City Schools**, Miami County, $89,368 to replace four older diesel buses with new diesel buses. #D16F-015. This grant is supported with federal DERA funds. Contact: Curt South, 937-773-4321 or south@piqua.org

**River Valley Local Schools**, Marion County, $12,564 to install DOCs and preheaters on 3 buses, #B2015S-002. This grant is supported with federal DERA funds. Contact: Sandra Griscom, sgriscom@rvk12.org 740-725-5410

**Seneca East Local Schools**, Seneca County, $6,670 to install DOCs on four buses. #B2015S-01. This grant is supported with federal DERA funds. Contact: Tammy Feasel tfeasel@setigers.com

**Shawnee Local Schools**, Allen County, $13,346 to install DOCs on eight buses. #B2015F-005. This grant is supported with federal DERA funds. Contact: Mike Wilson, mikew@limashawnee.com 419-998-8052

**Springfield Local Schools**, Lucas County, $14,668 to install DOCs on nine buses, #B2015F-003. This grant is supported with federal DERA funds. Contact Nick Liggett, nickliggett@slsmail.net 419-867-5612
**Streetsboro City Schools**, Portage County, $11,108 to install DOCs on seven buses. #B2016F-02. This grant is supported with state civil penalties. Contact: Beth Kinder, beth@rockets.sparcc.org 330-626-4909

**Tuslaw Local Schools**, Stark County, $20,972 to replace one older diesel bus with a 2016 diesel bus. #D16F-063. This grant is supported with federal DERA funds. Contact: Linda Earp, 330-837-7813 or learp@tuslawschools.org

**Zane Trace Local Schools**, Ross County, $23,817 to install DOCs on 7 buses and pre-heaters on 6 buses. #B2014S-002. This grant is supported with state civil penalties. Contact: Dustin Britton, dbritton@ztlsd.org 740-775-7287

**Zanesville City Schools**, Muskingum County, $34,110 to install DOCs and preheaters on 9 buses, #B2014F-001. This grant is supported with state civil penalties. Contact: Bryan Karling, bkarling@zanesville.k12.oh.us

**Diesel Emissions Reduction Act (DERA 2012-2013)**

USEPA awarded a State Clean Diesel Grant #DS00E-66502 to Ohio EPA for $394,152 over two years. These funds were then awarded to a public-private partnership between the Cincinnati Public Schools and First Student, Inc. to pay a portion of the engine component costs to replace 23 model year 1997-2002 diesel school buses with cleaner model year 2013 buses. [http://www.epa.gov/cleandiesel/prgstate-alloc.htm](http://www.epa.gov/cleandiesel/prgstate-alloc.htm)

The federal funds were matched with $283,995.52 in state civil penalties collected by Ohio EPA for violations of Ohio’s pollution control laws. These state funds were awarded to seven Ohio school districts to install diesel oxidation catalysts onto 90 school buses to reduce emissions, and direct-fired heaters onto 56 school buses to reduce idling and save fuel. School districts receiving state match funding include Beachwood City Schools, Bellbrook-Sugarcreek Schools, Hamilton Local Schools, Huber Heights City Schools, Mayfield City Schools, Northeastern Local Schools (Clark County), and Perrysburg Exempted Village Schools. Specifics about each project may be found in the alphabetical list of Ohio EPA’s Clean School Bus grant awards posted at [http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf](http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf).

These projects resulted in an annual reduction of more than seven tons of air pollutants from Ohio skies, estimated using USEPA’s Diesel Emissions Quantifier (485.0 pounds of fine particulates, 7,581.0 pounds of nitrogen oxides, 1,222.4 pounds of hydrocarbons, and 5,172.4 pounds of carbon monoxide). These benefits are expected to continue every year that the buses remain on the road. Most of these emissions benefits occurred in counties not meeting federal air quality standards for fine particulates, where seven of the eight projects were located.

**Diesel Emissions Reduction Act (DERA 2008-2011)**

USEPA awarded a State Clean Diesel Grant #DS00E-66501 to Ohio EPA for $1,294,403 over four years. These federal funds were then awarded to 39 local school districts and county
developmental disability programs in Ohio, to install verified emission control equipment (diesel oxidation catalysts, diesel particulate filters, and closed crankcase ventilation systems) onto 435 school buses, and direct fired heaters for idle reduction onto 159 school buses. Seventy-eight percent of the federal funds were spent on school buses operating in counties not meeting federal air quality standards for fine particulates.

The federal funds were matched with $1,586,605.57 in state civil penalties collected by Ohio EPA for violations of Ohio’s pollution control laws. These state funds were awarded to 45 local school districts and county developmental disability programs, to install emission controls onto 440 school buses and idle reduction equipment onto 336 school buses. Specifics about each project may be found in the alphabetical list of Ohio EPA’s Clean School Bus grant awards posted at [http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf](http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf).

The combined federal and state funds retrofitted 875 school buses with emission controls and 495 with idle reduction equipment, removing nearly 64 tons of air pollution from Ohio skies each year that these buses remain on the road and reducing the exposure of Ohio schoolchildren, school bus drivers and maintenance workers to the harmful pollutants in diesel exhaust.

**American Recovery and Reinvestment Act (ARRA 2009)**

Ohio EPA used $1,730,000 in ARRA funds to award sub-grants to 25 public school districts in Ohio to reduce emissions from diesel school buses. A total of 512 school buses were retrofitted with verified emission control equipment. Verified idle-reduction equipment (direct fired heaters) was also installed onto 82 buses. Of the 512 buses retrofitted, 37 were retrofitted with diesel particulate filters (DPFs), 46 with DPFs with closed crankcase filtration systems, 280 with diesel oxidation catalysts (DOCs) with closed crankcase filtration systems and 146 with DOCs alone.

These projects resulted in an annual reduction of more than 13 tons of air pollutants from Ohio skies, estimated using USEPA’s Diesel Emissions Quantifier (1,592.80 pounds of fine particulates, 2,986.0 pounds of nitrogen oxides, 6,098.10 pounds of hydrocarbons, and 15,963.40 pounds of carbon monoxide). Most of these emissions benefits occurred in counties not meeting federal air quality standards for fine particulates, where 24 of the 25 projects were located. Specifics about each project may be found in the alphabetical list of Ohio EPA’s Clean School Bus grant awards posted at [http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf](http://epa.ohio.gov/Portals/42/documents/AlphabetRecipients.pdf).

The ARRA funds supported 4,123.05 hours of installation work in Ohio by commercial vendors of diesel emission control equipment, for eight jobs retained. This figure does not include additional hours logged by school district personnel and Ohio EPA staff, or by employees at factories where the emission control equipment was manufactured.

*The above information summarizes federal grants awarded to Ohio EPA from USEPA, with 100% of the federal funds passed directly to local grant recipients in Ohio. Many local governments, school districts and other entities in Ohio have also applied directly and received funding from USEPA, information at [http://www.epa.gov/cleandiesel/grantfund.htm](http://www.epa.gov/cleandiesel/grantfund.htm), and the US*
Department of Energy Clean Cities program, information at
http://www1.eere.energy.gov/cleancities/. Summary information about a wide range of
federal and state incentive programs for alternative fuels is compiled at

Last update 10/31/2018