

U.S. EPA, Region 4 Clean School Bus USA Request For Proposals (RFP) FY 2007

Agency Name: U.S. Environmental Protection Agency, Region 4, Air Pesticides and Toxics Management Division. Please note that all awards will be issued by EPA Region 4.

Funding Opportunity Name: Region 4 Clean School Bus USA

Announcement Type: Initial Solicitation

Funding Opportunity Number: EPA-R4-CSB-2007

Catalog of Financial Domestic Assistance Number: 66.036 – Clean School Bus USA.

Request for Proposals: For a copy of the full RFP, please visit <http://www.grants.gov> or www.southeastdiesel.org. The title of the Announcement is “Region 4 Clean School Bus USA-2007”

Closing Date: All proposals must be submitted electronically through Grants.gov by 5:00 PM Eastern on August 3, 2007. If an applicant cannot submit its proposal electronically, please contact Alan Powell (404-562-9045) and/or powell.alan@epa.gov for alternative submission methods—proposals submitted thru alternative methods must be received by the closing date and time specified above.

Overview

Reducing emissions from diesel engines is one of the most important air quality challenges facing the country. Even with more stringent heavy-duty highway and nonroad 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. These problems cause thousands of premature deaths, hundreds of thousands of asthma attacks, millions of lost work days, and numerous other health impacts every year.

Children are especially sensitive to air pollution because their respiratory systems are still developing and they have a faster breathing rate. More than 24 million children ride a bus to and from school everyday, spending roughly 3 billion hours on school buses each year. Recent studies suggest that children’s school bus commutes potentially expose children to significantly higher concentrations of pollutants than what is measured in a community’s outdoor air. Statistics show that school buses are the safest way to transport children. EPA wants to ensure that they are also the cleanest way to transport children.

The Clean School Bus USA program is designed to reduce children's exposure to diesel exhaust from school buses. There are about 450,000 school buses on the road today, of which approximately 390,000 are diesel. Older technology buses produce as much as six times the pollution as a new school bus. About one-third of these buses were manufactured before 1990. These buses are the heaviest polluters and should be replaced. The remaining two-thirds of the school buses were manufactured between 1990 and 2003. These buses can be made much cleaner by retrofitting them with devices designed to reduce pollution and switching to cleaner burning fuels. EPA's Clean School Bus USA initiative has three primary goals: 1) reduce school bus idling; 2) retrofit existing post-1990 buses with devices and/or cleaner burning fuels that reduce pollution, and 3) replace the oldest buses (pre-1991) with new, cleaner buses. By providing assistance funding for successful approaches to reducing pollution from school buses, EPA is making available an important tool for school districts in Region 4 to implement clean school bus projects.

The U.S. Environmental Protection Agency (EPA) Region 4 is soliciting proposals on a competitive basis for projects that reduce emissions from diesel school buses within the Region 4 states of Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, and/or Tennessee. As part of the Southeast Diesel Collaborative, projects will reduce emissions through a variety of strategies, including but not limited to, emissions control technologies, vehicle and engine replacement, cleaner burning fuels and idling reduction strategies.

Clean School Bus USA is authorized under the FY 2006 Interior, Environment and Related Agencies Appropriations Act, HR 2631, Public Law 109-54, enacted August 2, 2005, which authorizes EPA to establish a cost-shared grant program for school bus retrofit and replacement projects that reduce diesel emissions. In Fiscal Year 2007, EPA is funding the Voluntary Diesel Retrofit Program based on the FY 2007 Revised Continuing Appropriations Resolution, H.J. Res. 20, Public Law 110-5, enacted February 15, 2007, a continuing resolution requiring agencies to use FY 2006 authorities when expending FY 07 appropriations..

For a more detailed overview of the Southeast Diesel Collaborative, please see www.southeastdiesel.org.

Following EPA's evaluation of proposals, all applicants will be notified regarding their status.

Final applications will be requested from those eligible entities whose proposal has been successfully evaluated and preliminarily recommended for award. Upon notification of award from EPA, awardees will be provided with instructions and a due date for submittal of the final application package.

Important Dates:

Announcement Posting: June 19, 2007
Proposal Due: August 3, 2007
Applicant Notification: October 1, 2007
Final Award: January 1, 2008

Other than the proposal submission due date, these dates are only projections and may be subject to change.

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**EPA Region 4
Clean School Bus USA
Request for Proposals (RFP) FY 2007**

Full Text of Announcement

I. Funding Opportunity Description

A. Summary

In conjunction with the Southeast Diesel Collaborative, the U.S. Environmental Protection Agency is announcing the availability of funding assistance for projects to reduce diesel emissions from school buses in EPA Region 4. Awards will either be in the form of either grants or cooperative agreements depending on the level of EPA involvement in the project.

Projects may include, but are not limited to, a variety of diesel emissions reductions solutions such as retrofit technology, idle reduction technology or strategies, vehicle replacement, engine replacement (repowers) and engine upgrades, or use of cleaner burning. Funding available under this RFP may be used to cover the cost differential between the cleaner burning fuel and Ultra Low Sulfur Diesel fuel.

If used for retrofit projects, funds for this program must be used for either verified emissions reduction equipment and/or certified engine configurations under EPA or the California Air Resources Board (CARB). Technologies that EPA has verified are listed

on EPA's Verified Technologies List (<http://www.epa.gov/otaq/retrofit/retroverifiedlist.htm>). CARB-listed technologies may be found at <http://www.arb.ca.gov/diesel/verdev/verdev.htm>.

Assistance agreements awarded under this announcement will not be used to fund technologies that are not on the Verified list at the time of installation. Any contracts awarded by successful applicants must include language requiring the use of verified technologies. This should be a term/condition in the actual grant award.

B. Alignment with EPA's Strategic Plan

All proposals must support Goal 1 of EPA's 2003-2008 Strategic Plan: Clean Air and Global Climate Change and Objective 1.1: Healthier Outdoor Air, which states, "Through 2010...[EPA will]...protect human health and the environment by attaining and maintaining health-based air-quality standards and reducing the risk from toxic air pollutants." (www.epa.gov/ocfo/plan/2003sp.pdf).

In other words, projects funded under this RFP must reduce emissions from school buses, thereby reducing local and regional air pollution.

C. Statutory Authority

Clean School Bus USA is authorized under the FY 2006 Interior, Environment and Related Agencies Appropriations Act, HR 2631, Public Law 109-54, enacted August 2, 2005, which authorizes EPA to establish a cost-shared grant program for school bus retrofit and replacement projects that reduce diesel emissions. In Fiscal Year 2007, EPA is funding the Voluntary Diesel Retrofit Program based on the FY 2007 Revised Continuing Appropriations Resolution, H.J. Res. 20, Public Law 110-5, enacted February 15, 2007, a continuing resolution requiring agencies to use FY 2006 authorities when expending FY 07 appropriations.

D. Examples of Eligible Projects

Eligible projects include the use of retrofit technologies or replacement of existing diesel engines/vehicles and switching to cleaner burning fuels. All of these options are further described below. Equipment that is used for testing emissions and fueling infrastructure costs will not be eligible for funding:

1. Retrofit Technologies: A retrofit project is defined broadly to include any technology, device, fuel or system that when applied to an existing diesel engine achieves emission reductions beyond that currently required by EPA regulations at the time of its certification. Retrofit technologies may include, but are not limited to, the following: EPA verified emission control technologies (e.g., those installed in the exhaust system like oxidation catalysts and particulate matter filters or systems that include crankcase control, like closed crankcase filtration system), or CARB verified emission control

technologies. In addition, filters may not be appropriate for all duty cycles and vehicles; datalogging of some vehicles by vendors must take place in order to assure that filters are an appropriate application for the particular fleet. The purpose of the datalogging is to determine which technology will work; the applicant should provide information about plans for datalogging if filters are the chosen technology. Datalogging is routinely provided by vendors and should not be included in the project budget. A list of EPA verified technologies is available at <http://www.epa.gov/otaq/retrofit/retrofittech.htm>. A list of CARB verified technologies is available at <http://www.arb.ca.gov/diesel/verdev/verifiedtechnologies/cvt.htm>.

2. Idle Reduction Technologies: An idle reduction project is defined as the installation of a technology or device that (1) is installed on a vehicle or at a location, (2) is designed to provide services (such as heat, air conditioning, or electricity) to vehicles that would otherwise require the operation of the main drive engine while the vehicle is temporarily parked or remains stationary, or automatically shuts down the main engine at determined intervals. This funding may cover up to 100% of the capital costs for the idle reduction technology. For a list of EPA-approved idle reduction technologies, see <http://www.epa.gov/otaq/smartway/idlingtechnologies.htm>.

3. Cleaner Burning Fuels: Cleaner burning fuels include, but are not limited to, biodiesel, compressed natural gas, liquefied natural gas, propane, and emulsions or additives verified by EPA or CARB. Funding available under this program may be used to cover the cost differential between the clean fuel and conventional diesel fuel.

4. Engine Replacement (Repowers) and Engine Upgrades: Repower refers to the removal of an existing engine and its replacement with a newer or cleaner engine. Some engines may be able to be upgraded to reduce their emissions by applying manufacturer recommended upgrades or kits to certified or verified configurations. Repowers and upgrades may include engine replacement for use with a cleaner fuel such as compressed natural gas, re-calibrations, and/or other components and/or the addition of newer, cleaner technologies to reduce the emissions from the engines. EPA is particularly interested in engine upgrades or repowers that include combined verified improvements which will further reduce emissions, e.g., through the addition of verified retrofit technologies such as a diesel particulate filter, diesel oxidation catalyst or crankcase emission control. This funding will cover up to 50% of the cost of an engine upgrade or repower. Please see the note below for repower and replacement proposals for additional eligibility requirements, such as original engine disposal requirements.

5. Vehicle Replacement:

- a. Bus Replacement:** EPA is encouraging the replacement of the oldest buses in the nation, especially those pre-dating 1977 (the newest year of manufacture to be considered for replacement is 1992). EPA Region 4 will pay up to 45% of the capital cost for new buses. Applicants and their project partners will be responsible for the remainder of the cost.
- b. Engine Replacement:** Older engines may be replaced with newer

engines under this program that meet the 2007 engine standards. Applicants should provide information in their proposal to show the feasibility of an engine replacement strategy, as engine and vehicle design differences may make some engine replacements difficult. As noted in the above paragraph, the replaced engines must be scrapped. EPA will pay for up to 50 percent of the capital cost for an engine replacement. Applicants and their project partners will be responsible for the remainder of the cost.

For vehicle replacements to be eligible for this funding opportunity, the following statements would apply:

- a. The vehicle, engine, or equipment being replaced will be scrapped, or the replaced engine would be returned to the original engine manufacturer for remanufacturing to a cleaner standard.
- b. The replacement vehicle or engine will be of the same type and similar gross vehicle weight rating or horsepower as the vehicle or engine.

NOTE for Repower and Replacement Proposals: This program funds the early replacement of vehicles, engines and/or equipment. Emission reductions that result from vehicle, engine, or equipment replacements that would have occurred through normal attrition are considered to be the result of normal fleet turnover and are not eligible for funding under this program. The purchase of new vehicles or equipment to expand a fleet is not covered by this program. To be considered a replacement, the purchase of new vehicles, engines, and equipment would need to be accompanied by the scrappage or remanufacturing of old vehicles, engines and equipment.

For repowers and replacements, EPA Region 4 requires that the engine being replaced must be remanufactured by an original engine manufacturer to a cleaner emission standard or rendered permanently disabled. Evidence of appropriate disposal is required in a final assistance agreement report submitted to EPA.

E. Measuring Environmental Results: Outputs and Outcomes

Pursuant to EPA Order 5700.7, *“Environmental Results under EPA Assistance Agreements,”* EPA requires that all recipients adequately address environmental outputs and outcomes. Outputs and outcomes differ both in their nature, and in how they are measured.

1. Outputs: The term “output” means an environmental activity, effort and/or associated products related to an environmental goal and objective that will be produced or provided

over a period of time or by a specified date. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period. Proposals must include a description of how recipients will track progress towards meeting the anticipated outputs throughout the project period.

Anticipated **outputs** from the projects to be funded under this solicitation may include but are not limited to the following: number of retrofitted engines/vehicles/equipment; annual pounds or tons of fine particulate matter (PM_{2.5}); nitrogen oxides (NO_x); greenhouse gases (GHG) and/or volatile organic compounds (VOCs) reduced; cost effectiveness of project (in \$/ton or \$/lb) and health benefits achieved (health benefits may be measured by numbers of illnesses, health care costs, or missed work/school days avoided).

- To estimate the anticipated emission reduction (output) of your proposal, use the table in Appendix A. Both input and output data should be submitted as an appendix to your proposal. These pages will not count towards the 5-page limit.

2. Outcomes: The term “outcome” means the result, effect or consequence that will occur from carrying out an environmental program or activity that is related to an environmental or programmatic goal or objective. Outcomes may be environmental, behavioral, health-related or programmatic in nature. They may not necessarily be achievable within an assistance agreement funding period. Proposals must include a description of project outcomes resulting from the project outputs.

Expected **outcomes** from projects funded under this solicitation may include, but are not limited to, the following:

- **Short-term outcomes** such as increased understanding of the environmental or economic effectiveness of the demonstrated technology.
- **Medium-term outcomes** such as widespread adoption of the demonstrated technology in the Southeast; documented emissions reductions from these and other sources of diesel emissions in multiple states; or acceptance of new technology by users and manufacturers.
- **Long-term outcomes** such as reductions in the number of children with asthma or documented improved ambient air quality.

Emission reduction should be calculated using the simplified emissions table in Appendix A.

II. Award Information

A. Amount of Funding Available

EPA Region 4 anticipates having approximately \$680,000 under this RFP and intends to award approximately six grants or cooperative agreements, ranging from approximately \$75,000 to \$250,000. However, EPA may choose to award grants smaller than \$75,000

if an **entire** school system bus fleet can be affected with smaller funds. In this case, EPA will award no more than 2 grants for amounts less than \$75,000.

B. Funding Type

The funding for selected projects will be in the form of a grant or a cooperative agreement. A grant is an assistance agreement that is used when the recipient is responsible for project performance with little Agency involvement. A cooperative agreement is an assistance agreement that is used when there is substantial federal involvement with the recipient during the performance of an activity or project. EPA will award cooperative agreements for those projects in which it expects to have substantial technical interaction with the recipient throughout the performance of the project. For such projects, EPA may review and approve project phases, collaborate with the recipient on the scope of work and mode of operation of the project, closely monitor the recipient's performance, approve any proposed changes to work plan and/or budget, approve qualifications of key personnel, and review and comment on reports prepared under the assistance agreement.

C. Start Date/Project Duration

All projects should have an anticipated start date of January 1, 2008. The grants and cooperative agreements funded under this program will have a 1-2 year project period. It is expected that projects will be completed by September 30, 2009.

D. Additional Funding Information

Funding for these projects is not guaranteed and is subject to the availability of funds and the evaluation of proposals based on the criteria in this announcement. In appropriate circumstances, EPA reserves the right to partially fund applications by funding discrete portions or phases of proposed projects. If EPA decides to partially fund an application, it will do so in a manner that does not prejudice any applicants or affect the basis upon which the application, or portion thereof, was evaluated and selected for award, and therefore maintains the integrity of the competition and selection process.

Award of funding through this year's competition is not a guarantee of future funding.

EPA reserves the right to make additional awards under this announcement (after the original award selections are made) if additional funding becomes available. Any additional selections for awards will be made no later than 7 months after the original selection decisions. The additional selections must be made in accordance with the terms of this announcement and EPA policy.

EPA reserves the right to reject all proposals and make no awards under this announcement, or make fewer awards than expected.

III. Eligibility Information

A. Eligible Entities

EPA is soliciting proposals from Local and Federally Recognized Indian Tribal Governments, state and local governments (e.g. school districts), and non-profit organizations.

B. Funding Restrictions and Requirements

1. Matching/In-Kind Contributions: All applicants must contribute a matching contribution of a minimum of 5 percent of the total project cost. The matching contribution may be provided in the form of cash or an “in-kind” contribution. An in-kind contribution is the reasonable value of property and services which benefit the project. Contributions may not include costs that would normally be incurred by the applicant (e.g. normal fuel costs for a fleet). They may, however, include costs specifically incurred from the project (e.g. cost differential between normal fuel used for the fleet and cleaner fuel proposed in the project). Proposals which do not demonstrate how this minimum cost share requirement will be met will not be considered for funding. Note: If selected for funding, an applicant will be expected to actually provide the level of match committed in the proposal. (e.g., If an applicant proposes to contribute 15% of the total project costs, the applicant will be required to actually pay 15% of all allowable project costs.)

2. Other Requirements: EPA grant or cooperative agreement funds may only be used for the purposes set forth in the assistance agreement, and must be consistent with the statutory authority for the award. Grant or cooperative agreement funds may not be used for matching funds for other federal grants, lobbying, or intervention in Federal regulatory or adjudicatory proceedings, and may not be used to sue the Federal government or any other government entity.

Successful applicants must use a competitive process for obtaining contracts for services and products and conduct cost and price analyses to the extent required by federal, state or local procurement requirements. All contracts and the purchase of supplies and equipment must be conducted in a manner providing free and open competition, to the maximum extent practicable. As such, applicants should refrain from mentioning specific technology producers in their proposals unless they are sole source providers.

Applicants must ensure that the costs of proposed activities are allowable according to Office of Management and Budget (OMB) Circulars A-87 "Allowable Costs." This should be reviewed in conjunction with 40 CFR Parts 31 and 35. OMB defines allowable costs as those costs that are “eligible, reasonable, necessary, and allocable.” For a cost to be eligible, the cost must not be prohibited by the statute, and must be incurred during the budget period. Additionally, costs should be judged in context to determine that they are reasonable and necessary and detailed budgets must include appropriate budget categories and funds must be allocated appropriately. Recipients need to ensure that proper documentation is in the file to meet the procurement regulation requirement in 40

CFR Part 31 and or State procurement rules. All expenditures are subject to audit for the final determination of allowability of costs.

C. Eligibility Screening Requirements: Threshold Criteria

In addition to the applicant eligibility criteria in Sections A and B above, proposals must also meet the threshold criteria below. Failure to meet any of the following criteria in the proposal will result in the automatic disqualification of the proposal for funding consideration. Ineligible applicants will be notified within 15 days of the finding that the applicant was not eligible for award consideration based on the threshold criteria.

1. All projects must benefit one or more of the following geographic areas of EPA Region 4: Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina and/or Tennessee - including Tribal lands belonging to the Federally recognized tribes in Region 4.
2. Proposals must explain how the project supports Goal 1 of EPA's Strategic Plan. The plan can be found at www.epa.gov/ocfopage/plan/plan.htm.
3. Proposals must not be used for the purposes of routine program implementation, implementation of routine environmental protection or restoration measures, meeting any legal mandate (such as federal, state or local regulations or settlement agreements), land acquisition, purchase of vehicles, or completion of work which was to have been completed under a prior grant or cooperative agreement.
4. Proposals must substantially comply with the submission instructions and requirements set forth in Section IV of this announcement and must be received through Grants.Gov (or any authorized alternate means-See Section IV) on or before the closing date and time of this announcement.
5. All projects, regardless of applicant type, must be for the direct benefit of a school district
6. Proposals must include an applicant cost share of at least of 5% of the total project cost, as described in Section III, Part B
7. Proposals in which the applicant is requesting assistance funds in excess of \$250,000 or less than \$75,000 will not be reviewed. The only exception is that projects requesting less than \$75,000 will be evaluated if they will affect the entire fleet of a school system
8. For repowers and replacements, EPA Region 4 requires that the engine being replaced must be remanufactured by an original engine manufacturer to a cleaner emission standard or rendered permanently disabled. In III? Evidence of appropriate disposal is required in a final assistance agreement report submitted to

EPA.

9. To be considered a replacement, the purchase of new vehicles, engines, and equipment would need to be accompanied by the scrapping or remanufacturing of old vehicles, engines and equipment

IV. Proposal Information

A. General

Proposal workplans, as described in Part B below, should be limited to five pages single-spaced including the cover page. There is no suggested page limit for the Attachments for the Fleet Information and Budget sections. In addition, applicants may submit resumes and other supporting documentation such as letters of support as attachments. All proposals, complete with the attachments, must be formatted for 8 ½" x 11" paper using no smaller than 11 point Times New Roman font with 1" margins as one Microsoft Word or Adobe Acrobat file.

It is recommended that confidential business information not be included in your proposal.

B. Proposals

All proposals as described below must be submitted electronically through Grants.gov by 5:00 PM Eastern on {date}—**detailed grants.gov submission instructions are in Section VIII of this announcement.** If an applicant cannot submit its proposal electronically, please contact Alan Powell (404-562-9045) and/or powell.alan@epa.gov for alternative submission methods—proposals submitted thru alternative methods must be received by the closing date and time specified above.

Applicants must follow these instructions carefully and submit all the documents and forms described below by the closing date and time. The following proposal materials are required regardless of mode of submission (electronic or authorized alternate means):

1. Standard Forms 424 and 424a: The standard application form is the one-page Standard Form (SF)-424, Application for Federal Assistance. It is available for download from www.grants.gov. The SF 424 requires general information about the applicant and proposed project. It asks for the estimated funding amount for the entire project, including requested EPA funds, any proposed matching funds and the source of these funds, project start and end dates, and primary contacts. Matching funds included in block 15b-e of the SF424 become a required part of the project. Standard Form 424 also asks for the Catalog of Federal Domestic Assistance (CFDA) Number and Title. The CFDA number and title is 66.036- Clean School Bus USA. The first page also asks for the applicant to indicate if they have sent a copy of the application to the State Single Point of Contact (commonly referred to as the State Clearinghouse

Form 424a is the Budget sheet and should be included with the proposal.

The Standard Form 424 also requires a Dun and Bradstreet Data Universal Numbering System (DUNS) number. The use of the government-wide DUNS number provides a means of identifying entities receiving assistance agreements and their business relationships and assists the agency with statistical reporting of federal assistance agreements. This identifier is used for tracking purposes and to validate address and point of contact information. The DUNS number will supplement other identifiers required by statute or regulation, such as tax identification numbers.

Organizations can receive a DUNS number in one day, at no cost, by calling the dedicated toll-free DUNS Number request line at 1-866-705-5711 or online <http://Fedgov.dnb.com/webform>.

2. Proposal Work Plans and Attachments: The Proposal Work Plan is an important requirement of all proposals and must include the following:

- a. **Cover Page:** Include the following information:
 - i. **Project Title:** Identify the project
 - ii. **Project Manager:** Identify who will serve as the principal party responsible for accomplishing the activities outlined in the work plan, including phone number and email address.
 - iii. **Total Project Cost:** Specify total amount requested from EPA, as well as any resources or funding from any other source that may be contributing support. Also, demonstrate how the required cost match will be met.
 - iv. **Project Period:** Provide anticipated beginning and ending dates. Funds are expected to be available to begin project activities on or after October 1, 2007 and end no later than September 30, 2009.

- v. **Summary Statement:** One to two sentence summary of proposal describing the types of equipment affected by the project and technology to be demonstrated.

- b. **Narrative Discussion:** The narrative discussion must include the information below and explicitly describe how the proposed project meets the guidelines established in Sections I-III, including the eligibility requirements in Section III, Part C, and address each of the evaluation criteria disclosed in Section V, Part B. (Evaluation Criteria).
 - i. **Project Description:** Provide a brief project description including:
 - (i) a well-supported statement or needs assessment of how your project will reduce diesel emissions in a specific priority area (Agriculture, Construction, Freight-based Trucking or Public Fleets) within Region 4;
 - (ii) specify the problem to be addressed which demonstrates the reason your proposal should receive funding support, including local conditions such as nonattainment status, sensitive populations or environmental justice areas and geographical areas of impact;
 - (iii) estimated time-line or schedule of expected target dates and milestones to achieve specific tasks and accomplishments during the budget and project period; and (iv) necessary tasks and activities that will be conducted to accomplish the objectives, including how the knowledge gained from this demonstration project will be disseminated for use by others. Describe why you have chosen these activities to obtain the desired environmental results. The tasks and activities should be realistic and achievable within the budget and project period of the project.

 - ii. **Specific Environmental Outputs:** Identify the specific outputs in terms of number of engines retrofitted, anticipated emissions (PM_{2.5}, NO_x, CO and/or VOCs) reduced (in tons or lbs/year), and the cost effectiveness (in \$/lb or \$/ton), and how you will measure and track whether you are achieving the outputs. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period.

 - iii. **Desired Environmental Outcomes:** Specify the quantitative and qualitative outcomes of the project, including what measurements you will use and how you will measure, track and evaluate the results of your project. Examples of outcomes may include, but are not limited to, the following: increased understanding of the environmental or economic effectiveness of the demonstrated technology, acceptance of new technology by users and manufacturers, improved ambient air quality, and health benefits achieved (i.e., numbers of illnesses, health care costs, or missed work/school days avoided, reduced emissions, etc.).

 - iv. **Collaborations or Partnerships:** Identify all proposed partnerships and stakeholder groups that have committed to be involved in the project and

what each of the groups' roles will be in project staffing, funding, design and implementation.

- v. **Environmental Results Past Performance:** Submit a list of up to five of the most recent EPA funded assistance agreements that your organization performed within the last three years, and describe how you documented and/or reported on whether you were making progress towards achieving the expected results (e.g., outputs and outcomes) under those agreements. If you were not making progress, please indicate whether, and how, you documented why not. In evaluating applicants under this factor in Section V, EPA will consider the information provided by the applicant and may also consider other relevant information from other sources, including information from EPA files (e.g., to verify and/or supplement the information provided by the applicant). If you have no relevant or available past EPA performance reporting history, please indicate this in the proposal, and you will receive a neutral score for this factor under Section V.
- vi. **Programmatic Capability:** Submit a list of up to five of the most recent EPA funded agreements similar in size, scope and relevance to the proposed project that your organization performed within the last three years, and describe (i) how you were technically able to successfully carry out and manage those agreements and (ii) your history of meeting the reporting requirements under those agreements including submitting acceptable final technical reports.

In evaluating applicants under this factor in Section V, EPA will consider the information provided by the applicant and may also consider other relevant information from other sources, including information from EPA files (e.g., to verify and/or supplement the information provided by the applicant). If you have no relevant or available past performance information, please indicate this in the proposal, and you will receive a neutral score for these factors under Section V.

In addition, provide information on your organizational experience and plan for timely and successfully achieving the objectives of the proposed project, and your staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project

- vii. Sensitive Populations:** Explain the extent which the proposed project:
- a. will reduce environmental risks to sensitive populations.
 - b. will reduce environmental risks to economically-disadvantaged and other populations with disproportionately high and adverse human health or environmental impacts.

viii. Greening of school system: Explain how this project fits into the school system's effort to decrease its impact on the environment.

Attachments: The following two sections should be included as attachments to the proposal work plan and there is no suggested page limit for these two attachments.

- a. Fleet Description:** Please provide the following information in a table or spreadsheet:
- Number and type of vehicles and equipment to affected by this proposal;
 - Vehicle and equipment characteristics, such as engine model and model year; engine manufacturer; annual fuel consumption; average annual miles; annual hours of operation and who owns, maintains and operates the vehicles/equipment;
 - A description of the type of work performed using the vehicles/equipment;
 - A description of the location in which the vehicles/equipment operate;
 - The fleet replacement rate and the percentage of overall fleet impacted by this application.

b. Budget: Please provide standard form 424a, a detailed budget and a budget narrative.

To supplement the budget information provided in the SF 424A, all applications must also include either a completed Budget Justification Worksheet or a detailed itemized budget narrative. A blank copy of the Budget Justification Worksheet can be found at

<http://www.epa.gov/region4//grants/documents/budgetjustwksh07092004.pdf>. If the applicant prefers to use a detailed itemized budget narrative, the narrative must follow the same budget categories used on SF 424A. An example budget is provided below. Please note that the narrative should indicate which costs will be paid by EPA versus those to be paid by the applicant and/or its project partners.

1. Personnel:

Indicate salaries and wages, by job title of all individuals who will be supplemented with these funds. For example:

		EPA
Applicant		
* Fleet Manager @ \$600/wk x 12 weeks =	\$7,200	\$0
(or)		
* Fleet Manager @ \$15/hr x 40 hrs/wk x 12/wks =	\$0	\$7,200
Personnel Total =	<u>\$7,200</u>	
<u>\$7,200</u>		

2. Fringe Benefits:

Indicate all mandated and voluntary benefits to be supplemented with these funds. For example:

		EPA
Applicant		

* Health Insurance-			
1 FTE @ \$35/month x 12/months =	\$420		\$0
* Dental –			
1 FTE @ \$40/mo x 12/months =	\$480		\$0
	Fringe Total =		<u>\$900</u>

\$0

3. Travel:

Indicate number of individuals traveling, destination, number of trips, and reason for travel. For example:

Applicant

EPA

* Site Visit to Regional Transportation Warehouse			
Local Travel Mileage - 1000 miles x \$0.36 =	\$0		\$360
*Strategic Meeting with Co-applicants			
Air Fare for 1 person to Chicago, IL =	\$250		\$0
Per diem for 2 days @ \$40/day for 1 person =	\$80		\$0
Hotel for 1 night for 1 person =	\$75		\$0
	Travel Total =		<u>\$405</u>

\$360

4. Equipment:

Identify all items to be purchased or rented in support of the project. Use a separate line item for each type of equipment, along with providing the per unit cost. EPA defines “equipment” as any tangible, non-expendable, personal property having a useful life of more than one year and a per unit acquisition cost of \$5,000 or more. If applicant’s definition is more inclusive (e.g., defines “equipment” as any tangible property valued at \$1,000 or more per unit), please indicate. For the purposes of this RFP the applicant should define equipment as tangible property valued at \$500 or more. For example:

EPA

Applicant

* 20 Diesel Oxidation Catalysts @ \$800/each	\$16,000		\$0
	Equipment Total =		<u>\$16,000</u>

\$0

5. Supplies:

Indicate any items to be purchased that will be used in support of air project workplan objectives.

For example:

Applicant

EPA

* 50 DOC and anti-idling pamphlets for community members @ \$2 each	\$0		\$100
*Copying and postage costs	\$0		\$100
	Supplies Total =		<u>\$0</u>

\$200

6. Contractual:

Indicate each planned contract separately and the type of services to be performed.

Indicate any proposed contractual items that are reasonable and necessary to carry out the workplan objectives. Examples of contractual items include training from equipment manufacturer, installation of retrofit equipment. For example:

	EPA	Applicant
* Fleet mechanic training on retrofitting, anti-idling workshop 50 mechanics @ \$100/each	\$5000	\$0
* Installation of DOCs 20 units @ \$75/each [\$15.00 per sample = 15 x 52 = \$780]	\$0	\$1,500
Contractual Total=	<u>\$5,000</u>	<u>\$1,500</u>

7. Other:

Indicate general (miscellaneous) expenses necessary to carry out the objectives stated in the workplan. For example:

	EPA	Applicant
* Office needs (postage, phone, fax, etc.) =	\$150	\$150
* Office space (utilized for project-related activities such as installation, etc.) \$120/mo x 2/mo =	\$240	\$0
Other Total=	<u>\$390</u>	<u>\$150</u>

8. Total Direct Charges:

Summary of all costs associated with the project.

	EPA	Applicant
* Total Direct Costs =		<u>\$29,895</u>
		<u>\$9,410</u>

9. Total Indirect Costs:

Organization must provide documentation of a federally approved indirect cost rate (percentage) reflective of proposed project/grant period. Applicant should indicate if organization is in negotiations with appropriate federal agency to obtain a new rate.

	EPA	Applicant
* IDC Rate is 13% of total Federal direct charges =	<u>\$3,886</u>	<u>\$0</u>

10. Total Cost:

Indicate overall figure of all direct and indirect costs. For example:

	EPA	Applicant
* Total Budget =	<u>\$33,781</u>	<u>\$9,410</u>

C. DUNS

All applicants applying for funding, including renewal funding, must have a Dun and Bradstreet Universal Data Numbering System (DUNS) number. Applicants who do not already have a DUNS number may find instruction for obtaining one at the following website: <http://www.Grants.Gov/GetStarted>. A DUNS number may also be obtained at no cost by calling 1-866-705-5711.

D. Intergovernmental Review

Successful applicants (except for Federally Recognized Indian Tribes and Tribal Consortia) must comply with the Intergovernmental Review Process and/or consultation provisions of Executive Order 12372. EPA's implementing regulations for this Executive Order can be found at 40 CFR §29.1-29.13.

E. Confidential Business Information

In accordance with 40 CFR 2.203, applicants may claim all or a portion of their application/proposal as confidential business information. EPA will evaluate confidentiality claims in accordance with 40 CFR Part 2. Applicants must clearly mark as confidential those portions of their applications/ proposals they consider to be confidential. If no claim of confidentiality is made, EPA is not required to make the inquiry to the applicant otherwise required by 40 CFR 2.204(c) (2) prior to disclosure. It is recommended that confidential business information not be included in your proposal.

F. Proposal/Application Communications and Assistance

In accordance with EPA's Competition Policy of January 11, 2005 (EPA Order 5700.5A1), EPA staff will not meet with individual applicants to discuss draft proposals, provide informal comments on draft proposals, or provide advice to applicants on how to respond to ranking criteria. Applicants are responsible for the contents of their proposals.

However, EPA will hold two conference calls to respond to questions relating to this announcement. The conference calls will be held at 2:00 pm EDT and will last for one and a half hours maximum. When there are no more questions, the call will be ended. The conference calls will be held on July 12, 2007 and July 26, 2007. The toll free call in number is 1-866-299-3188. The access code is 4045629127#. The call will begin promptly at 2:00 pm. If there are no participants on the line, we will end the call. EPA intends to post a summary of the questions and answers on the EPA Region 4 web site (http://www.epa.gov/region4/air/mobile/vehicle_rfp_qna.html) within five business days of the conference calls.

V. Proposal Review Information

A. Selection Criteria

The proposal must address each evaluation criteria. Proposals will be evaluated based on the extent and quality to which each criteria is addressed in the proposal submission. .

1. Environmental Results- Measurable or Quantifiable Outputs and Outcomes: 30 pts.

Proposals will be evaluated on:

- a. the degree to which the applicant has provided an evaluative component to the project including an estimation of anticipated emissions (PM2.5, NOx, CO and/or VOCs) reductions (in tons or lbs/year) (5 points)
- b. the cost-effectiveness of the project (in \$/lb or \$/ton), the health and/or environmental benefits (quantified or qualified) (15 points)
- c. operational concerns or other barriers to applying the technologies, and any other measurements as requested in Section I., D. Measuring Environmental Results, in addition to how the applicant's progress and success in achieving the expected outputs and outcomes of the project will be measured (5 Points)
- d. number of children affected by this proposal. This should include students expected to ride the bus on a typical day (all routes used by the buses) (5 points)

2. Programmatic Capability: 20 pts. (5 points for each item below)

Under this factor, the Agency will evaluate the applicant's technical ability to successfully carry out the proposed project taking into account the following factors: (i) its past performance in successfully completing and managing EPA funded agreements similar in size, scope, and relevance to the proposed project performed within the last 3 years, (ii) its history of meeting reporting requirements under EPA funded agreements similar in size, scope, and relevance to the proposed project performed within the last 3 years and submitting acceptable final technical reports under these agreements, (iii) its organizational experience and plan for timely and successfully achieving the objectives of the proposed project, and (iv) its staff expertise/qualifications, staff knowledge, and resources or the ability to obtain them, to successfully achieve the goals of the proposed project.

Note: In evaluating applicants under this factor, the Agency will consider the information provided by the applicant and may also consider relevant information from other sources including agency files (e.g., to verify and/or supplement the information supplied by the applicant). Applicants with no relevant or available past performance or reporting history (items i and ii above), will receive a neutral score for those elements of this factor. The neutral scores for (i) and (ii) are 3 each.

3. Collaboration/Partnerships and Leveraged Resources: 15 pts.

Degree to which the project proposes to work in partnership with a diverse set of stakeholders and leverage significant resources to implement the proposal. Applicants are encouraged to collaborate with other entities.

4. Fleet Information: 10 pts.

Extent to which the proposal adequately describes the fleet and its history, and includes a Fleet Information Table.

5. Non-attainment: 5 pts.

Ability of the project to impact an area that is nonattainment for ozone and/or fine particulate matter standards. Points earned as follows: Nonattainment for PM2.5 and ozone=5 pts; Nonattainment for PM2.5 only=4 points; Near nonattainment for PM 2.5 only=3 points; nonattainment for ozone only=2 points; near nonattainment for ozone only =1 point; attainment= 0 points

Note: Near nonattainment means within 20% of the standard if monitored or areas that are within 50 miles of a nonattainment area. This definition is for this Request for Proposal only and is not an official EPA definition.

6. Larger comprehensive program: 10 Pts.

The extent to which this project is part of a larger, comprehensive effort by the school system to "green" its operations.

7. Sensitive Populations/Disproportionate Impacts: 5 Pts

Under this criterion, applicants will be evaluated based on the extent to which the proposed project:

- a. will reduce environmental risks to sensitive populations.
- b. will reduce environmental risks to economically-disadvantaged and other populations with disproportionately high and adverse human health or environmental impacts.

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Environmental Results Past Performance Criterion: 5 Pts.

Under this criterion, applicants will be evaluated based on the extent and quality to which they adequately documented and/or reported on their progress towards achieving the expected results (e.g., outcomes and outputs) under EPA funded assistance agreements performed within the last three years, and if such progress was not being made whether the applicant adequately documented and/or reported why not.

Note: In evaluating applicants under this factor, EPA will consider the information provided by the applicant and may also consider relevant information from other sources including agency files (e.g., to verify and/or supplement the information supplied by the applicant). Applicants with no relevant or available past performance reporting history will receive a neutral score for this factor.

B. Review Procedures/Final Proposal Evaluation

EPA will first evaluate all proposals for threshold eligibility purposes. Proposals that meet all of the threshold eligibility factors identified in Section III will then be evaluated by a panel comprised of a mix of EPA personnel and non-EPA Southeast Diesel Collaborative representatives based on the evaluation criteria listed in Section V. A of this announcement. The review panel will score and rank proposals using these criteria. The review panel will provide their overall scoring and rankings to a selection committee comprised of EPA staff who will recommend the projects to be selected based on the review panel scoring/ rankings and the following additional factors: 1) the geographic distribution of funds and 2) distribution of technology type. In addition, in the event two "engine replacement" proposals are ranked the same, the selection committee will give preference to proposals that provide for remanufacturing of the original engines. Final funding decisions will be made by the EPA Region 4 Senior leadership in the Air, Pesticides and Toxics Management Division based on the recommendation of the selection committee. In the event two "engine replacement" proposals are ranked the same, EPA will give preference to proposals that provide for remanufacture of the original engines. In making the final funding decisions, the Selecting Official may also consider programmatic priorities.

Conflict of Interest: Reviewers will be required to sign a disclosure of conflict of interest form and will be removed from the review of proposals if an actual or potential conflict of interest (that cannot be mitigated) exists.

VI. Award Administration Information

A. Award Notices

EPA Region 4 will notify both successful and unsuccessful applicants in writing and electronic mail. Applicants selected for funding will be asked to submit additional information, including a final workplan, SF424B and related information.

Note - EPA reserves the right to negotiate appropriate changes in work plans after the selection and before the final award consistent with EPA's Competition Policy (EPA Order 5700.5A1, Section 11). The notification, which advises that the applicant's proposal has tentatively been selected and is being recommended for award, is not an authorization to begin performance. The award notice signed by the Air, Pesticides and Toxics Management Division Director is the authorizing document and will be provided through postal mail. At a minimum, this process can take up to 60 days from the date of selection.

B. Administrative and National Policy Requirements

1. A listing and description of general EPA Regulations applicable to the award of assistance agreements may be viewed at:
http://www.epa.gov/ogd/AppKit/applicable_epa_regulations_and_description.htm.
2. All costs incurred under this program must be allowable under the applicable OMB Cost Circulars. Copies of the circulars can be found at
<http://www.whitehouse.gov/omb/circulars>.
3. To the extent required by federal, state, and local laws, successful applicants must abide by the competition requirements for all procurements associated with this funding request (this includes contracts for goods and services). Successful applicants must also conduct price and cost analyses to the extent required by federal, state or local procurement requirements before awarding any contracts.
4. Nonprofit applicants that are recommended for funding under this announcement may be subject to pre-award administrative capability reviews consistent with Sections 8.b, 8.c, and 9.d of EPA Order 5700.8, 'EPA Policy on Assessing Capabilities of Non-Profit Applicants for Managing Assistance Awards' which can be found at http://www.epa.gov/ogd/grants/award/5700_8.pdf. Nonprofit applicants that qualify for funding may be, depending on the size of the award, required to fill out and submit to the Grants Management Office the Administrative Capability Form, with supporting documents, contained in Appendix A of EPA Order 5700.8.
5. Programmatic Terms and conditions will be negotiated with the selected recipient.

C. Reporting Requirement

Quarterly progress reports and a detailed final report will be required. Quarterly reports summarizing technical progress, planned activities for next quarter and summary of expenditures are required. Applicants are further required to make a commitment to share all data collected with EPA for assessment on a regional level. The final report shall be completed within 90 calendar days of the completion of the period of

performance. The final report should encompass a complete overview/summary of all of the activities conducted within the project period; including any and all data results as well as a justification for impediments should be addressed. The schedule for submission of quarterly reports will be established by EPA in the cooperative agreement/grant award.

D. Disputes

Assistance agreement competition-related disputes will be resolved in accordance with the dispute resolution procedures published in 70 FR (Federal Register) 3629, 3630 (January 26, 2005) which can be found at: <http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-1371.htm>. Copies of these procedures may also be requested by contacting the Agency Contact listed in Section VII.

VII. Agency Contact

For additional general information about this Request for Proposals contact:

Alan Powell

powell.alan@epa.gov Phone: 404-562-9045

VIII. Other Information

The EPA Award Official is the only official that can bind the Agency to the expenditure of funds for selected projects resulting from this announcement.

Southeast Diesel Collaborative: The Southeast Diesel Collaborative is a collaboration of federal, state and local agencies, along with communities, non-profit organizations and private companies working together to reduce emissions from diesel engines in the Southeast. More information can be found at: www.southeastdiesel.org

National Clean Diesel Campaign: The National Clean Diesel Campaign's grants and funding webpage also has links to current and past funding opportunities related to diesel, including links to EPA's Smartway Transport Partnership, Clean School Bus USA and Community Action for a Renewed Environment (CARE) grants at: <http://www.epa.gov/cleandiesel/grantfund.htm>.

Data Access and Information Release: The Office of Management and Budget (OMB) Circular A-110 has been revised to provide public access to research data through the Freedom of Information Act (FOIA) under some circumstances. Data that are (1) first produced in a project that is supported in whole or in part with federal funds and (2) cited publicly and officially by a Federal agency in support of an action that has the force and effect of law (i.e., a regulation) may be accessed through FOIA. If such data are requested by the public, the EPA must ask for it, and the grantee must submit it, in accordance with A-110 and EPA regulations at 40 C.F.R. 30.36.

Instructions for Electronic Submissions Using Grants.gov:

Grants.gov Proposal Instructions For Announcement Number EPA-R4-CSB-2007

General Application Instructions

The electronic submission of your proposal must be made by an official representative of your institution who is registered with Grants.gov and authorized to sign applications for Federal assistance. For more information, go to <http://www.grants.gov> and click on “Get Registered” on the left side of the page. *Note that the registration process may take a week or longer to complete.* If your organization is not currently registered with Grants.gov, please encourage your office to designate an Authorized Organization Representative (AOR) and ask that individual to begin the registration process as soon as possible.

To begin the application process under this funding announcement, go to <http://www.grants.gov> and click on the “Apply for Grants” tab on the left side of the page. Then click on “Apply Step 1: Download a Grant Application Package and Instructions” to download the PureEdge viewer and obtain the application package and instructions for applying under this announcement using grants.gov. You may retrieve the application package and instructions by entering the Funding Opportunity Number, EPA-R4-CSB-2007, or the CFDA number (CFDA 66.036), in the space provided. Then complete and submit the proposal package as indicated. You may also be able to access the application package by clicking on the button “How To Apply” at the top right of the synopsis page for this announcement on <http://www.grants.gov> (to find the synopsis page, go to <http://www.grants.gov> and click on the “Find Grant Opportunities” button on the left side of the page and then go to Search Opportunities, and use the Browse by Agency feature to go to EPA opportunities).

Proposal Submission Deadline

Your organization’s AOR must submit your complete proposal package as described in Section IV electronically to EPA through Grants.gov (<http://www.grants.gov>) no later than **5:00 PM Eastern on August 3, 2007.**

Proposal Materials

The following forms and documents, as described in Section IV of the announcement, are required to be submitted under this announcement:

- I. Application for Federal Assistance (SF-424)
- II. Budget Information for Non-Construction Programs (SF-424A)
- III. Proposal Work Plan and Attachments

I. Standard Form (SF) 424, Application for Federal Assistance:

Complete the form. There are no attachments. Please be sure to include organization fax number and email address in Block 5 of the Standard Form SF 424.

Please note that the organizational Dun and Bradstreet (D&B) Data Universal Number System (DUNS) number must be included on the SF-424. Organizations may obtain a DUNS number at no cost by calling the toll-free DUNS number request line at 1-866-705-5711.

II. Standard Form SF 424A – Budget Information:

Complete the form. There are no attachments.

The total amount of federal funding requested for the project period should be shown on line 5(e) and on line 6(k) of SF-424A. If indirect costs are included, the amount of indirect costs should be entered on line 6(j). The indirect cost rate (i.e., a percentage), the base (e.g., personnel costs and fringe benefits), and the amount should also be indicated on line 22.

III. Proposal Work Plan and Attachments:

The documents should be readable in either PDF, or Microsoft Word. Please refer to Section IV of the announcement for a complete description of the proposal workplan and attachment requirements.

Proposal Preparation and Submission Instructions

Documents I through III listed under Proposal Materials above should appear in the “Mandatory Documents” box on the Grants.gov Grant Application Package page. For documents I and II, click on the appropriate form and then click “Open Form” below the box. The fields that must be completed will be highlighted in yellow. Optional fields and completed fields will be displayed in white. If you enter an invalid response or incomplete information in a field, you will receive an error message. When you have finished filling out each form, click “Save.” When you return to the electronic Grant Application Package page, click on the form you just completed, and then click on the box that says, “Move Form to Submission List.” This action will move the document over to the box that says, “Mandatory Completed Documents for Submission.”

For document III, you will need to attach electronic files. Prepare your proposal work plan and attachments as described in Section IV of the announcement, and save the document to your computer as a PDF or Microsoft Word file. When you are ready to attach your proposal work plan and attachments to the application package, click on “Project Narrative Attachment Form,” and open the form. Click “Add Mandatory Project Narrative File,” and then attach your proposal work plan and attachments (previously saved to your computer) using the browse window that appears. You may then click “View Mandatory Project Narrative File” to view it. Enter a brief descriptive title of your project in the space beside “Mandatory Project Narrative File Filename;” the filename should be no more than 40 characters long. If there other attachments that you would like to submit to accompany your proposal, you may click “Add Optional Project Narrative File” and proceed as before. When you have finished attaching the necessary documents, click “Close Form.” When you return to the “Grant Application Package” page, select the “Project Narrative Attachment Form” and click “Move Form to Submission List.” The form should now appear in the box that says, “Mandatory Completed Documents for Submission.”

Once you have finished filling out all of the forms/attachments and they appear in one of the “Completed Documents for Submission” boxes, click the “Save” button that appears at the top of the page. It is suggested that you save the document a second time, using a different name, since this will make it easier to submit an amended package later if necessary. Please use the following format when saving your file: “Applicant Name – FY07 CSB – 1st Submission” or “Applicant Name – FY 07 CSB– Back-up Submission.” If it becomes necessary to submit an amended package at a later date, then the name of the 2nd submission should be changed to “Applicant Name – FY07 CSB – 2nd Submission.”

Once your proposal package has been completed and saved, send it to your AOR for submission to EPA through Grants.gov. Please advise your AOR to close all other software programs before attempting to submit the application package through Grants.gov.

In the “Application Filing Name” box, your AOR should enter your organization’s name (abbreviate where possible), the fiscal year (e.g., FY07), and the grant category (e.g., CSB). The filing name should not exceed 40 characters. From the “Grant Application Package” page, your AOR may submit the application package by clicking the “Submit” button that appears at the top of the page. The AOR will then be asked to verify the agency and funding opportunity number for which the application package is being submitted. If problems are encountered during the submission process, the AOR should reboot his/her computer before trying to submit the application package again. (It may be necessary to turn off the computer, not just restart it, before attempting to submit the package again). If the AOR continues to experience submission problems, he/she may contact Grants.gov for assistance by phone at 1-800-518-4726 or email at <http://www.grants.gov/help/help.jsp> or contact Alan Powell at 404/562-9045.

Proposal packages submitted through grants.gov will be time/date stamped electronically.

If you have not received a confirmation of receipt from Alan Powell, EPA Region 4, (not from support@grant.gov) within 30 days of the proposal deadline, please contact Mr. Powell at 404-562-9045. Failure to do so may result in your proposal not being reviewed.

APPENDIX A-Emission Calculations Table

PM Reductions

mdl yr	Initial Emission rate	After DOC installed	After DOC/CCF Installed	After DPF Installed	After DPF/CCF Installed	Using B20
1990	1.582858	1.266287	1.187144	0.237429	0.079143	1.392915
1991	1.925993	1.540794	1.444494	0.288899	0.0963	1.694873
1992	1.930193	1.544154	1.447645	0.289529	0.09651	1.69857
1993	0.951395	0.761116	0.713546	0.142709	0.04757	0.837228
1994	0.225223	0.180178	0.168917	0.033783	0.011261	0.198196
1995	0.225923	0.180738	0.169442	0.033888	0.011296	0.198812
1996	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564

1997	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
1998	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
1999	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2000	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2001	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2002	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2003	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2004	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2005	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564
2006	0.140414	0.112331	0.105311	0.021062	0.007021	0.123564

Nox Reductions

mdl yr	Initial Emission rate	After DOC installed	After DOC/CCF Installed	After DPF Installed	After DPF/CCF Installed	Using B20
1990	14.24721	14.24721	14.24721	14.24721	14.24721	14.24721
1991	13.41353	13.41353	13.41353	13.41353	13.41353	13.41353
1992	13.69857	13.69857	13.69857	13.69857	13.69857	13.69857
1993	13.94408	13.94408	13.94408	13.94408	13.94408	13.94408
1994	14.19539	14.19539	14.19539	14.19539	14.19539	14.19539
1995	14.46327	14.46327	14.46327	14.46327	14.46327	14.46327
1996	14.73965	14.73965	14.73965	14.73965	14.73965	14.73965
1997	14.73644	14.73644	14.73644	14.73644	14.73644	14.73644
1998	11.79855	11.79855	11.79855	11.79855	11.79855	11.79855
1999	11.79538	11.79538	11.79538	11.79538	11.79538	11.79538
2000	11.79218	11.79218	11.79218	11.79218	11.79218	11.79218
2001	11.78898	11.78898	11.78898	11.78898	11.78898	11.78898
2002	11.16584	11.16584	11.16584	11.16584	11.16584	11.16584
2003	9.302707	9.302707	9.302707	9.302707	9.302707	9.302707
2004	6.712508	6.712508	6.712508	6.712508	6.712508	6.712508
2005	6.709315	6.709315	6.709315	6.709315	6.709315	6.709315
2006	6.706142	6.706142	6.706142	6.706142	6.706142	6.706142

CO Reductions

mdl yr	Initial Emission rate	After DOC installed	After DOC/CCF Installed	After DPF Installed	After DPF/CCF Installed	Using B20
1990	3.824823	2.677376	2.677376	0.382482	0.382482	3.365844
1991	2.823867	1.976707	1.976707	0.282387	0.282387	2.485003
1992	2.873204	2.011243	2.011243	0.28732	0.28732	2.52842
1993	2.901252	2.030877	2.030877	0.290125	0.290125	2.553102
1994	2.044291	1.431004	1.431004	0.204429	0.204429	1.798976
1995	2.05991	1.441937	1.441937	0.205991	0.205991	1.812721
1996	2.084945	1.459461	1.459461	0.208494	0.208494	1.834751
1997	2.0652	1.44564	1.44564	0.20652	0.20652	1.817376
1998	2.045471	1.43183	1.43183	0.204547	0.204547	1.800015
1999	2.025739	1.418018	1.418018	0.202574	0.202574	1.782651

2000	2.00606	1.404242	1.404242	0.200606	0.200606	1.765333
2001	1.986319	1.390423	1.390423	0.198632	0.198632	1.74796
2002	1.966587	1.376611	1.376611	0.196659	0.196659	1.730597
2003	1.946858	1.362801	1.362801	0.194686	0.194686	1.713235
2004	1.92713	1.348991	1.348991	0.192713	0.192713	1.695874
2005	1.907385	1.335169	1.335169	0.190738	0.190738	1.678499
2006	1.887656	1.321359	1.321359	0.188766	0.188766	1.661137

HC Reductions

mdl yr	Initial Emission rate	After DOC installed	After DOC/CCF Installed	After DPF Installed	After DPF/CCF Installed	Using B20
1990	1.018743	0.509371	0.611246	0.101874	0.101874	0.814994
1991	0.792943	0.396471	0.475766	0.079294	0.079294	0.634354
1992	0.808382	0.404191	0.485029	0.080838	0.080838	0.646705
1993	0.821003	0.410501	0.492602	0.0821	0.0821	0.656802
1994	0.652755	0.326377	0.391653	0.065275	0.065275	0.522204
1995	0.662563	0.331281	0.397538	0.066256	0.066256	0.53005
1996	0.673062	0.336531	0.403837	0.067306	0.067306	0.53845
1997	0.671004	0.335502	0.402602	0.0671	0.0671	0.536803
1998	0.668895	0.334448	0.401337	0.06689	0.06689	0.535116
1999	0.66684	0.33342	0.400104	0.066684	0.066684	0.533472
2000	0.664731	0.332366	0.398839	0.066473	0.066473	0.531785
2001	0.662623	0.331312	0.397574	0.066262	0.066262	0.530098
2002	0.660554	0.330277	0.396333	0.066055	0.066055	0.528444
2003	0.658446	0.329223	0.395068	0.065845	0.065845	0.526757
2004	0.370457	0.185228	0.222274	0.037046	0.037046	0.296366
2005	0.368236	0.184118	0.220941	0.036824	0.036824	0.294588
2006	0.366051	0.183025	0.219631	0.036605	0.036605	0.292841

