



WASHINGTON STATE
DEPARTMENT OF
ECOLOGY

Grant Application and Guidelines

Washington State Clean Diesel Grant Program

This application form is available online at:

<http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm>

For more information, or to have an application mailed to you,
please contact:

Carrol Johnston
Washington Department of Ecology
Air Quality Program
PO Box 47600
Olympia, WA, 98504-7600;
Phone: 360-407-6568,
FAX: 360-407-7534;
E-mail: carr461@ecy.wa.gov

*If you need this form in an alternate format, please contact
the Air Quality Program at (360) 407-6800.*

*If you are a person with a speech or hearing impairment, call
711 for relay service or 1-800-833-6388 for TTY.*

Washington State Clean Diesel Grant Program Grant Application and Guidelines

Apply to: Washington State Department of Ecology, Air Quality Program
Title: Clean Diesel Grant Program
Action: Request for Grant Funding
Due Date: Priority consideration will be given to applications received on or before Friday, March 27, 2009. We will continue to accept applications after March 27, 2009 and make awards as long as funding is available.

Summary: This notice announces the availability of funds to install retrofit exhaust emission control technologies, idle reduction technologies, and engine rebuilds or repowers on heavy-duty diesel vehicles and equipment throughout the state of Washington. The Washington State Department of Ecology (Ecology) encourages cities, counties, state agencies, public utility districts/coops, regulated utilities, port and transit authorities and private fleets operating mainly in Washington to apply. Public fleets may receive funding for retrofit exhaust emission controls, idle reduction technologies, and engine rebuilds and repowers. Public fleets include any publicly owned, leased or rented vehicles to be used for public service. Private fleets may receive funding for retrofit exhaust emission control technologies and engine rebuilds and repowers. For this grant funding opportunity, privately owned refuse and utility vehicles providing public service in Washington meet the definition of a public vehicle.

Funding: The Energy Policy Act of 2005, Section 793, authorizes EPA to grant funds to states to reduce diesel emissions. The American Recovery and Reinvestment Act of 2009 provide appropriations to fund title VII, subsection G of the Energy Policy Act of 2005.

The total funding for this opportunity is expected to approximate \$1,700,000. Some additional state or federal funds may also be available for grants. Funds must be used to pay for equipment and installation. Grant recipients may not use retrofit funds to pay for administrative expenses. Ecology intends to award funds to as many eligible retrofit projects throughout the state as possible. Projects not funded initially due to a lack of funds may receive grant funds at a later date, if and when more funds become available. Each eligible project will be evaluated based on its ability to reduce exposure to diesel emissions and improve public health.

Background: Diesel emissions contain a hazardous mixture of pollutants that have serious health effects. Diesel exhaust has been linked to the onset or worsening of most major, chronic and/or terminal ailments, including cancer, emphysema, auto-immune disorders, asthma, heart disease, stroke, and the underdevelopment of children's lungs. When inhaled, fine particles in diesel exhaust penetrate the lungs and remain there indefinitely to aggravate or create both lung and heart conditions. Research also indicates diesel emissions cause premature deaths within populations and occupations where people are regularly exposed to these toxins. For this reason, diesel exhaust is one of the most toxic forms of air pollution.

Ecology and local clean air agencies are working with public and private fleets to reduce harmful diesel emissions by installing retrofit emission control technologies on vehicles and equipment. These technologies effectively reduce toxic emissions by 50% to 95%. Statewide, Ecology and local clean air agencies have retrofitted more than 8,000 diesel vehicles with a variety of technologies. Most public fleets, including school districts, transit authorities, cities, counties, and public utility districts have now retrofitted their fleets. Many private fleets, including refuse and recycle vehicles and port cargo handling equipment, are currently retrofitting their fleets.

Overview of the Award Process

Ecology will evaluate all applications to determine how projects reduce exposure to diesel emissions and improve public health for Washington citizens. In addition, all applications will be prioritized in the following order:

1. Public fleets, including cities, counties, municipal associations, public utility districts, port and transit authorities, and state agencies.
2. Privately owned vehicles and equipment that: (a) provide and maintain public service such as refuse collection, recycling, and utilities, (b) construct public roads and buildings, and (c) operate on port properties or are associated with port activities, such as cargo handling equipment, drayage vehicles that transfer goods and materials, switch locomotives, and harbor vessels.
3. Other privately owned vehicles and equipment that operate mainly within the state of Washington.

Applicants should provide complete fleet information using the Diesel Vehicle/ Equipment List, EXCEL spreadsheet posted on the grant's webpage. (If you need another format for providing your vehicle list, then please contact Carrol Johnston.) Those selected to receive grants will be notified via e-mail and provided with additional procedural details.

Eligible Applicants: Cities, counties, state agencies, public utility districts/coops, regulated utilities, port and transit authorities and private fleets operating mainly in Washington may apply. Fleets of all sizes and types are eligible for funds.

Eligible Vehicles: All types of heavy-duty diesel vehicles and equipment with engines greater than 75 horsepower are eligible for retrofit. Vehicles and equipment retrofitted with exhaust emission control technologies and idle reduction technologies must have an estimated lifespan of at least two remaining years within the fleet. Vehicles and equipment that receive an engine repower must have an estimated lifespan of at least six years with the fleet. All vehicles and equipment receiving grant funds must operate mainly in Washington.

Eligible Retrofit Technologies for Public and Private Fleets: Eligible exhaust retrofit technologies include diesel oxidation catalysts, diesel partial flow filters, diesel particulate filters, and crankcase ventilation filters. All exhaust retrofit technologies must be approved by either the US Environmental Protection Agency's (EPA) or the California Air Resources Board's (ARB) Retrofit Verification Programs. Verified retrofit technologies can be found on the EPA and ARB websites.

- EPA Verified Retrofit Technologies: <http://www.epa.gov/otaq/retrofit/verif-list.htm>
- ARB Verified Retrofit Technologies: <http://www.arb.ca.gov/diesel/verdev/vt/vt.htm>

Eligible Idle Reduction Technologies for Public Fleets: Some retrofit idle reduction technologies may also qualify for funding. Eligible categories of idle reduction technologies are limited to those verified under EPA's National Clean Diesel Campaign. They include these five categories:

- Electrified Parking Spaces (truck stop electrification)
- Auxiliary Power Units and Generator Sets
- Fuel Operated Heaters
- Battery Air Conditioning Systems
- Thermal Storage Systems

More information on these eligible idle reduction technologies is on EPA's website: <http://www.epa.gov/otaq/diesel/idle-ncdc.htm#eps>.

Eligible Engine Rebuilds or Repowers: Pre-1994 on-road engines and Tier 0 non-road engines will receive first priority for receiving awards. The current engine must be remanufactured or scrapped. The vehicle or equipment must operate mainly in Washington for the next three years. If the current vehicle or equipment has no exhaust emissions control technology, the owner must also accept a grant for the purchase and install of retrofit emissions

control technologies (Ecology's state contractors will provide and install either a diesel oxidation catalysts or diesel partial flow filter). The engine must be rebuilt or replaced by a qualified professional installer. The grantee must provide Ecology documentation verifying a particulate emissions reduction of at least 25%. Examples of qualifying rebuilds or repowers include:

- Replacing the current engine with a new engine, a remanufactured engine, or a rebuilt engine meeting a more stringent federal or California emissions standard.
- Rebuilding and upgrading the current engine to meet a more stringent federal or California emission standard or to reduce particulate emissions by at least 25%.

Process for Purchase and Installation of Emission Control Technologies: Ecology has developed state contracts for the purchase and installation of retrofit emission control technology on a variety of heavy-duty diesel vehicles. These vehicles include dump trucks, refuse trucks, road maintenance vehicles and equipment, port equipment, and school and transit buses. The state of Washington will provide a contractor to retrofit diesel vehicles and equipment. State retrofit contractors will consult with grant recipient fleet managers about the types of appropriate technologies and how they reduce emissions on each vehicle. Ecology will coordinate with grant recipients to arrange for the purchase and installation of retrofit emission control technology for each awarded project.

The retrofit contractor will:

- Contact the fleet manager to make an appointment to survey the grantee's vehicles and equipment.
- Provide both the grantee and Ecology a work estimate for pre-approval of all work.
- Provide information on how this technology works to reduce emissions.
- Identify the appropriate retrofit technology for the grantee's vehicles.
- Provide information on how the retrofit technology will be installed.
- Order the selected control technology.
- Schedule an appointment with the grantee for installation of the control technology.
- Submit invoices for payment to grantee.

The grant recipient will:

- Designate an individual who has the signatory authority to certify that the retrofit project for their fleet has been installed.
- Request an invoice from the contractor(s)/vendor(s) for the retrofit equipment purchased and installed.
- Submit invoices to Ecology for reimbursement of retrofit equipment purchased and installed using the state voucher form provided in the new grantee packet.

Process for the Purchase and Installation of Idle Reduction Technologies (Public Fleets): The Department of Ecology will work directly with the applicant to select the appropriate type of technology. All purchases must meet the State of Washington Guidelines for Purchasing Goods and Services. These guidelines require that expenditures undergo a fair competition to get the best price possible for the use of public funds.

Cost Sharing or Matching Funds: No matching funds are required for the purchase and installation of the retrofit emission control technology or idle reduction technology. Ecology will fund up to 50% of the cost, not to exceed an amount of \$10,000, to repower a vehicle or equipment with a new or rebuilt engine. Ecology will provide more details once we review all applications received.

Award Notification: Ecology will notify awarded applicants by April 17, 2009.

Award Period: May 1, 2009 through December 31, 2009.

Applications are available online: <http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm>



Application for Clean Diesel Grant Program

1). Applicant Name:	
Address:	Federal Tax Identification Number:
2). Number of Heavy-Duty Diesel Vehicles/Equipment Pieces in Your Fleet:	
3). For Public Fleets, are you interested in idle reduction technology?	
4). Applicant Authorized Signatory: <i>(person listed here must sign Section 9 of this application)</i>	5). Applicant Staff Contact: <i>(please complete both items 4 and 5)</i>
Name:	Name:
Title:	Title:
Phone:	Phone:
Fax:	Fax:
Email:	Email:
6). Project Duration: May 1, 2009 through December 31, 2009	
7). Diesel Vehicle/Equipment List: Use the Diesel Grant Equipment List (EXCEL spreadsheet) posted on Ecology's Diesel Grants website to provide complete fleet information. All heavy-duty diesel vehicles/equipment owned and/or registered and operated by the applicant organization should be listed as part of your fleet. For example, one fleet might include three refuse trucks, two dump trucks and fourteen transit buses. If a vehicle has already been retrofitted, please indicate the type of emission control device installed. Previously retrofitted vehicles/equipment may be eligible for an additional emission control device.	
8). Do you have additional comments related to your fleet or retrofit project?	
<p>9). Certification and Agreement: The undersigned representative certifies that the information submitted herewith is true and correct to the best of their knowledge and belief, and that they are authorized to submit this application.</p> <p>The applicant agrees that if a grant is awarded on the basis of this application or any revision or amendment thereof, it will comply with all applicable statutory provisions, and with the applicable terms, conditions, and procedures of the Department of Ecology grant regulations and of the grant agreement.</p>	
_____ Signature of Authorized Signatory	_____ Date Signed
<p>10). Application Deadline: Grant applications must be received by the program contact on or before 5:00 pm, Friday, March 27, 2009, for priority consideration. Send one hard copy, original-signature application to the address below:</p> <p style="text-align: center;">Department of Ecology, Air Quality Program 300 Desmond Drive (Overnight Mail or Hand-Delivery Address) PO Box 47600 (U.S. Postal Mailing Address) Lacey, WA 98504-7600 Attention: Carrol Johnston, Program Contact</p>	