



DEPARTMENT OF
ECOLOGY
State of Washington

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
Clean Diesel Grant Program Coordinator
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: Awards will be made as funds become available. Please refer to separate funding availability announcement(s) for specific deadlines associated with current funds and descriptions of current focus and priorities. Funding announcements can be viewed at this link: <http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm> or can be requested from the Diesel Grant Program Coordinator identified above.

Summary: This notice announces the expectation of future funds to assist with purchasing and installing various clean diesel technologies, as described below, on publicly and privately owned 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.

Funding: Clean Diesel Grant Program funding is periodic and not guaranteed. Currently there is \$7 million available for eligible projects. Please refer to separate funding availability announcement for descriptions of current focus and priorities, and deadlines for applications. Funding announcements can be viewed at this link: <http://www.ecy.wa.gov/programs/air/cars/DieselGrantPage.htm>

IMPORTANT NOTE: Because additional funds may be available at later dates, Ecology will continue to accept applications after the deadlines noted in the funding announcement(s). Please do not hesitate to submit an application at any time.

Application Process: Please fill out the application form found at the end of the guidelines and submit to the Diesel Grant Coordinator at the address above. 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/equipment list, please contact the Clean Diesel Grant Program Coordinator.) Applicants should also provide a cover letter briefly describing their proposed project and include other information related to the project such as estimated costs, project time frame, partnerships, etc.

Applications will be evaluated based on the project's ability to reduce exposure to diesel emissions and improve public health.

Those selected to receive grants will be notified via e-mail and provided with additional procedural details.

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 exhaust 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.

Ecology is also working with public and private fleets to install idle reduction technologies, to replace old vehicles and equipment that are not suitable for exhaust retrofits, and to rebuild or repower vehicles and equipment with new lower emission engines.

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.

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. Vehicles and equipment retrofitted with exhaust retrofit 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 rebuild or repower must have an estimated lifespan of at least four years remaining within the fleet. New replacement vehicles or equipment must remain in the fleet at least four years. Ecology may require different life spans on a project by project basis depending on technology type, technology cost and other factors. All vehicles and equipment receiving grant funds must

operate mainly in Washington.

Eligible Exhaust Retrofit Technologies: 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 verified 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://epa.gov/cleandiesel/verification/verif-list.htm>
- ARB Verified Retrofit Technologies: <http://www.arb.ca.gov/diesel/verdev/vt/vt.htm>

Eligible Idle Reduction Technologies: Examples of eligible types of idle reduction technologies include:

- Electrified Parking Spaces (truck stop electrification)
- Shore Connection Systems and Alternative Maritime Power (SCS/AMP)
- Shore Connection Systems for locomotives
- Auxiliary Power Units and Generator Sets
- Fuel Operated Heaters
- Battery Powered Systems
- Thermal Storage Systems
- Automatic Engine Start/Stop Systems (AESS)

More information on idle reduction technologies can be found on EPA's idle reduction web page: <http://epa.gov/smartwaylogistics/transport/what-smartway/verified-technologies.htm>

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 to a stricter emission standard or scrapped. The engine must be rebuilt or replaced by a qualified professional installer. For engine rebuilds, the grantee must provide Ecology documentation verifying a particulate emissions reduction of at least 25%. For engine repowers, Ecology will give first priority to engines that meet or exceed EPA's 2007 (on-road) or Tier 3 (non-road) emissions standards.

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%.

Eligible Vehicle or Equipment Replacements: Vehicles with pre-1994 on-road engines and equipment with Tier 0 non-road engines will receive first priority for receiving awards. The current vehicle's or equipment's engine must be scrapped. Replacement vehicles must have 2007 or newer on-road engines. Replacement equipment must have Tier 3 or newer non-road engines.

Other Projects: Contact the Clean Diesel Grant Program Coordinator for determination.

Cost Sharing or Matching Funds for Public Fleets: Public fleets include any publicly owned,

leased or rented vehicle or equipment used for a public service or function.

- Exhaust Retrofit Technology – No matching funds are required
- Idle Reduction Technology – No matching funds are required.
- Engine Rebuild – Ecology will fund up to 75% of the cost. Maximum grant amounts may be imposed depending on amount of grant funds available, cost of rebuild, and other factors.
- Engine Repower – Ecology will fund up to 75% of the cost. Maximum grant amounts may be imposed depending on amount of grant funds available, cost of repower, and other factors.
- Vehicle or Equipment Replacement – Ecology typically will fund up to \$25,000 of the cost of replacement with a 2007 or newer model year vehicle with a 2007 or newer engine. (Note: \$25,000 is the approximate cost of emission control systems on 2007 and newer model year vehicles). Maximum grant amounts may be imposed on replacement projects depending on amount of grant funds available, cost of replacement, and other factors.

Cost Sharing or Matching Funds for Private Fleets:

- Exhaust Retrofit Technology – No matching funds are required
- Idle Reduction Technology – Ecology will fund up to 50% of the cost. Maximum grant amounts may be imposed depending on amount of grant funds available, cost of idle reduction technology, and other factors.
- Engine Rebuild – Ecology is NOT providing funding assistance for engine rebuilds on privately owned vehicles at this time.
- Engine Repower – Ecology is NOT providing funding assistance for engine repowers on privately owned vehicles at this time.
- Vehicle or Equipment Replacement – Ecology is NOT directly providing funding assistance for privately owned vehicle or equipment replacements at this time. However, Ecology did provide grant funds to the City of Tacoma to conduct the ***Puget Sound Heavy Duty Diesel Truck Replace and Retrofit Program***. Heavy duty diesel on-road trucks that operate mainly in the Tacoma area may be eligible for funding assistance through that program. For more information, please contact Kathy Boucher of Cascade Sierra Solutions at (206) 988-8893, or email: kboucher@cascadesierrasolutions.org.

Award Notification: Please see separate funding availability announcement(s) for deadlines and timelines.

IMPORTANT NOTE: Because additional funds may be available at later dates, Ecology will continue to accept applications after the deadlines noted in the funding announcement(s). Please do not hesitate to submit an application at any time.

Award Period: Please see separate funding availability announcement(s) for timelines.

Applications are available online:

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



Application for Clean Diesel Grant Program

(Please provide a cover letter with your application that briefly describes your project)

1). Applicant Name:	
Address:	Federal Tax Identification Number: DUNS Number:
2). Number of Heavy-Duty Diesel Vehicles/Equipment Pieces in Your Fleet:	
<p>3). Please indicate the type of clean diesel project(s) you are interested in (Check as many as apply and describe in more detail in the cover letter)</p> <p>a) Exhaust retrofit ____</p> <p>b) Idle reduction ____</p> <p>c) Engine rebuild ____</p> <p>d) Engine repower ____</p> <p>e) Vehicle/equipment replacement ____</p> <p>f) Other (provide brief description below) ____</p> <p>_____</p> <p>_____</p>	
<p>4). Applicant Authorized Signatory: <i>(person listed here must sign Section 9 of this application)</i></p> <p>Name:</p> <p>Title:</p> <p>Phone:</p> <p>Fax:</p> <p>Email:</p>	<p>5). Applicant Staff Contact: <i>(please complete both items 4 and 5)</i></p> <p>Name:</p> <p>Title:</p> <p>Phone:</p> <p>Fax:</p> <p>Email:</p>
6). Project Duration: To Be Determined	
<p>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.</p>	

8). 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.

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.

Signature of Authorized Signatory

Date Signed

9). Application *Deadline*: Please refer to separate funding availability announcement(s) for specific deadlines associated with current funds.

IMPORTANT NOTE: *Because additional funds may be available at later dates, Ecology will continue to accept applications after the deadlines noted in the funding announcement(s). Please do not hesitate to submit an application at any time.*

10) Submit Your Application to the Following Address:

(U.S. Postal Mailing Address)

Washington State Department of Ecology

Air Quality Program

PO Box 47600

Olympia, WA 98504-7600

Attention: Carrol Johnston, Clean Diesel Grant Program Coordinator

(Overnight Mail or Hand-Delivery Address)

Washington State Department of Ecology

Air Quality Program

300 Desmond Drive

Lacey, WA 98503

Attention: Carrol Johnston, Clean Diesel Grant Program Coordinator