

## **Port Metro Vancouver Non-Road Diesel Emissions Program *Emission Reduction Measures (ERM)***

The Port Metro Vancouver Non-Road Diesel Emissions Program (NRDE) offers rebates under the following conditions:

- a non-certified (Tier 0) or Tier 1 non-road diesel engine is upgraded with an approved technology and, as a result, the particulate matter emission rate of that engine meets the emission standard of at least a Tier 2 non-road diesel engine
- a non-certified (Tier 0) or Tier 1 non-road diesel engine is permanently retired from operation on Port Metro Vancouver lands

### **Collecting the rebate**

Rebates will be calculated during the annual NRDE accounts reconciliation. Port Metro Vancouver staff will review the emissions reduction measure and reduce the fee to reflect the rebate and/or issue a payment to the tenant. For auditing purposes, the tenant must retain the purchase receipt from the vendor for the parts and labour.

### **Approved Emission Reduction Measures (ERMs): EPA and CARB Verified Devices**

[Emission reduction technologies](#) verified by the US Environmental Protection Agency (EPA) or the California Air Resources Board (CARB) may qualify for a rebate. Tenants are asked to identify the emission reduction measure in the Annual Report Tool, tab "2. Equipment List", and to provide the type, manufacturer and model number of ERMs installed in the comments field.

### **Engine repowering or replacement**

A rebate is available when a non-certified (Tier 0) or Tier 1 engine is replaced with a Tier 2 or higher diesel engine or equivalent, or non-diesel engine. To be eligible for the rebate, tenants must fill in tab "2. Equipment List" in the Annual Report Tool as follows:

- Select "Engine repowered/replaced" in the Emission Reduction Measure column. This will highlight the row in yellow. Then,
- Add the repowered machine as a new row, filling in the same equipment information, together with the new engine information.

### **Biodiesel**

The particulate matter reductions associated with biodiesel are proportional to the amount of biodiesel blended with petroleum diesel fuel. Generally, every 1% increase in the blend achieves approximately 0.4% decrease in PM emissions.

Diesel fuel sold in BC currently contains 4% renewable content (biodiesel). Using biodiesel with a higher renewable content (e.g. B20 or more) would result in emissions reductions, but would need to be used in combination with other ERMs to be eligible for a fee reduction.

## **Retiring equipment**

Tenants who permanently retire a non-certified (Tier 0) or Tier 1 engine from present and future operation on Port Metro Vancouver lands are eligible for up to 80% rebate of the NRDE fees paid to date for that piece of equipment. To qualify for this rebate, the tenant must report the retirement date during the annual reporting process. Tenants must also maintain records that demonstrate the equipment was scrapped, or permanently sold or moved outside of Port Metro Vancouver lands.

Engines that are sold to other parties operating on Port Metro Vancouver lands are not eligible for a retirement rebate at that time.

**NOTE:** A scrapped engine may be kept on site for spare parts provided that the engine core is destroyed and is not re-usable.

**NOTE:** An engine without a serial number must be permanently marked with Port Metro Vancouver initials ("PMV") followed by the Port Metro Vancouver NRDE equipment registration number in order to qualify for engine retirement.