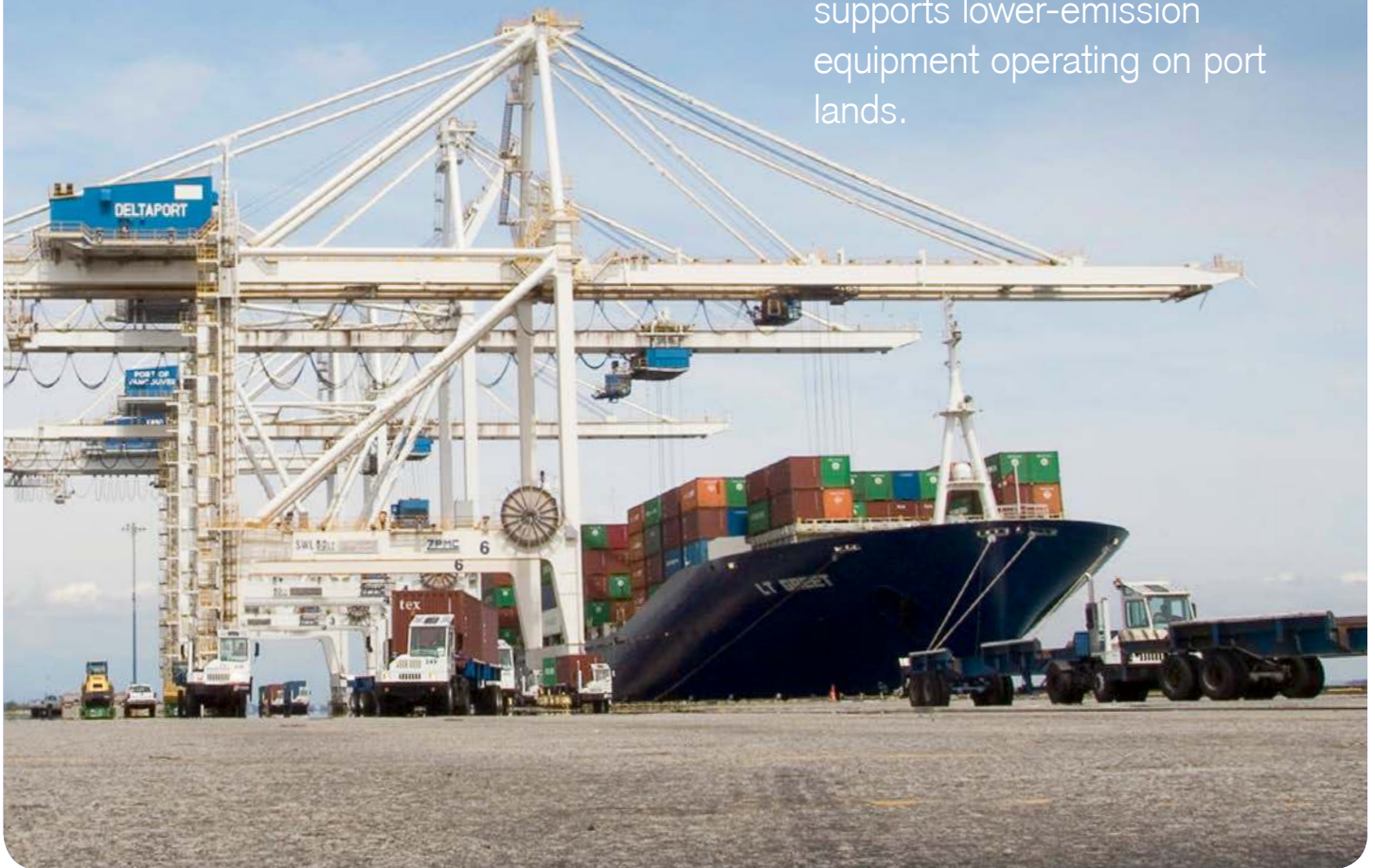


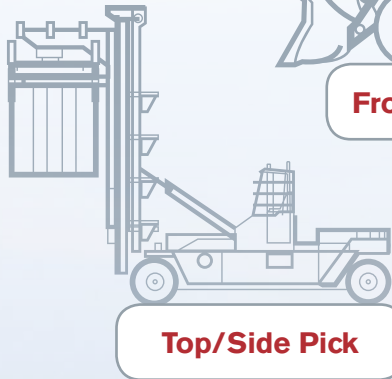
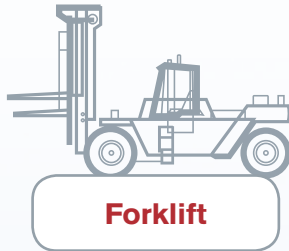
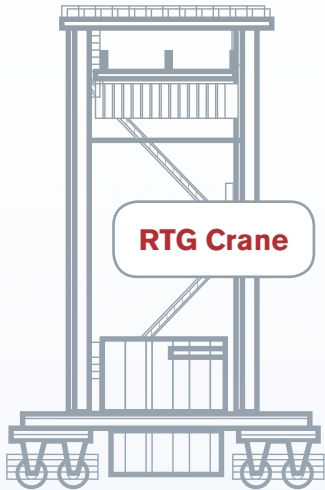
Non-Road Diesel Emissions Program

The Vancouver Fraser Port Authority is committed to environmental stewardship of our land, air and marine resources.

Our Non-Road Diesel Emissions (NRDE) Program supports lower-emission equipment operating on port lands.



Examples of Equipment included in the NRDE program



Non-Road Diesel Emissions Program

The Non-Road Diesel Emissions Program requires tenants on port lands to label and report non-road diesel equipment. Fees are applicable to equipment with Tier 1 and older engines.

The Program also prohibits the addition of Tier 1 and older diesel engines without Port Authority approval and includes requirements for:

- Fuel efficiency and idle reduction
- Opacity limits
- Auditing

For equipment already registered in the Metro Vancouver Non-Road Diesel Bylaw, or for equipment that operates both on and off port lands, please contact NRDE@portvancouver.com for more information.



Reporting and Declarations

Tenants who operate, or permit operation of non-road diesel equipment on port lands must complete and submit the NRDE Annual Reporting Tool for applicable* equipment, including equipment owned, leased or rented by tenants, sub-tenants, contractors and subcontractors.

Required information:

- Equipment and engine details
- End of year hour-meter readings (or appropriate fuel/activity logs)
- New equipment and engine purchases
- Emissions reduction measures applied, and/or
- Equipment retirements

Tenants who do not have applicable* non-road diesel equipment operating on port land must submit an Annual Declaration confirming the status of non-road diesel equipment.

* The NRDE Fee does not apply to:

- Equipment engines with a maximum horsepower below 25 hp (19 kW)
- Refrigerated containers, or
- Emergency backup power devices

Fees and Rebates

The NRDE Fee applies to non-certified (Tier 0) or Tier 1 non-road diesel engines operated on port authority lands.

Fee Rates

Year	Tier 0 (per-hp)	Tier 1 (per-hp)
2015	\$10.00	\$6.00
2016	\$14.00	\$8.00
2017	\$20.00	\$10.00
2018	\$20.00	\$10.00
2019	\$20.00	\$10.00
2020	\$20.00	\$10.00

Fee Calculation

Engines operating less than 2,000 hours in calendar year:

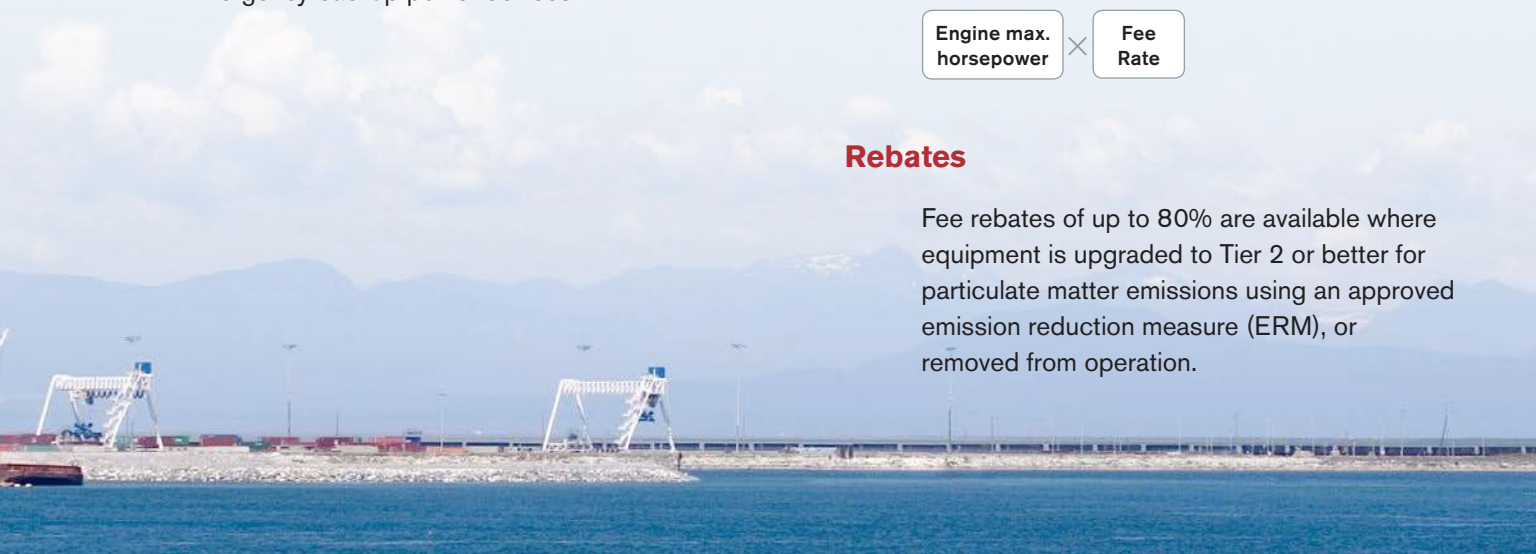
$$\text{Engine max. horsepower} \times \text{Fee Rate} \times \frac{\text{Hours operated in calendar year}}{2000 \text{ hours}}$$

Engines operating 2,000 hours or more in calendar year:

$$\text{Engine max. horsepower} \times \text{Fee Rate}$$

Rebates

Fee rebates of up to 80% are available where equipment is upgraded to Tier 2 or better for particulate matter emissions using an approved emission reduction measure (ERM), or removed from operation.



Additional Requirements

- The Port Authority will provide NRDE Program **labels** for all applicable equipment, which will clearly identify the piece of equipment and engine tier or equivalent.
- Implementation of a **Fuel Efficiency Plan** including an **Idle Reduction Policy**, in accordance with guidance provided by Port Metro Vancouver.
- Maintenance of **opacity** levels of <20% after the first three minutes of non-road engine start up.
- Participation in NRDE Program **audits**.



Blue Circle Award

The Blue Circle Award recognizes port tenants that have the best performing non-road fleets.

Important annual dates

January 31

Annual Reports and Declarations due for previous calendar year

February

Port authority issues invoices for NRDE fees

March

NRDE fees due

Additional information on the port authority's NRDE program can be found in the Fee Document available at: portvancouver.com/NRDE

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