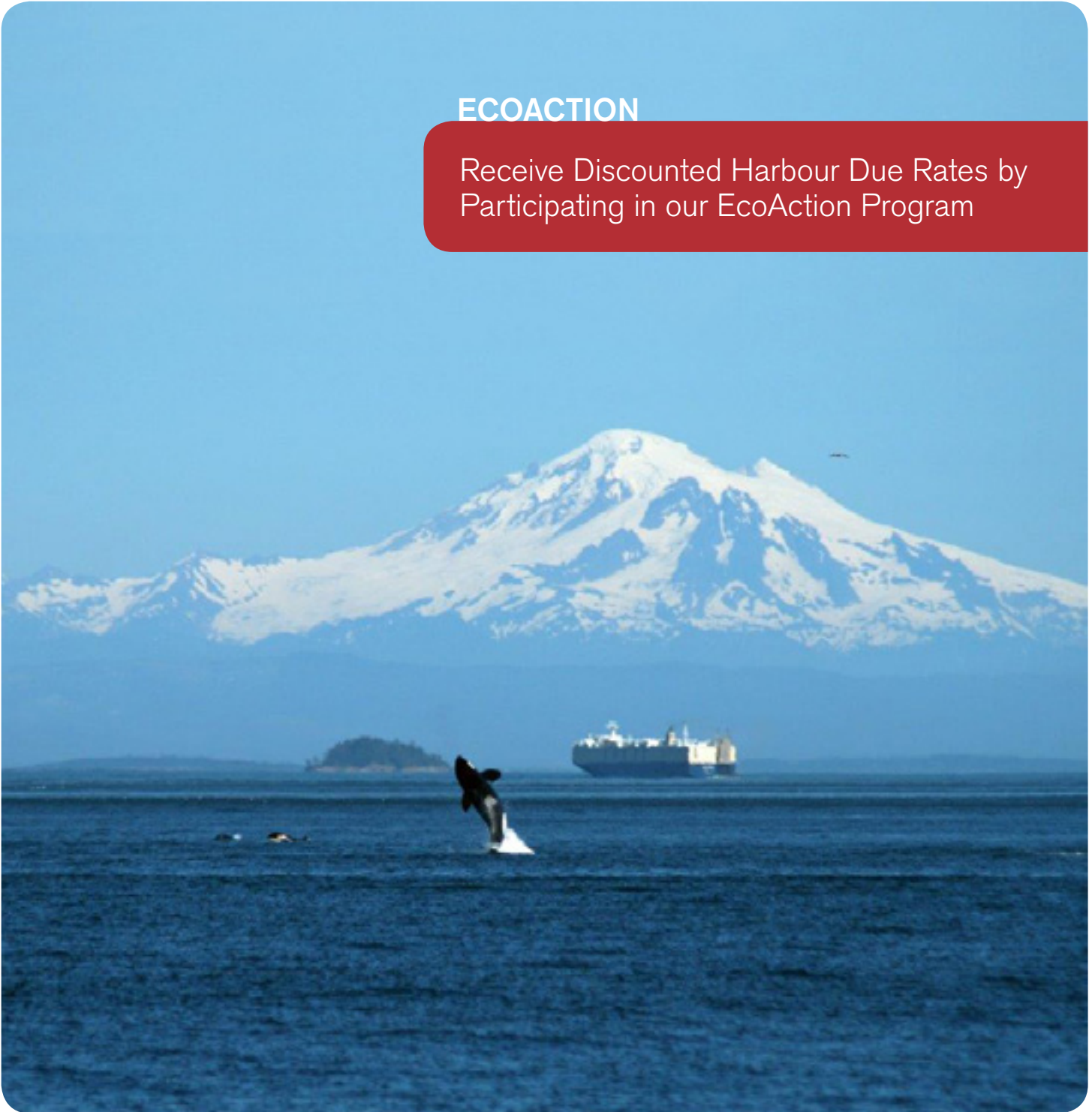


ECOACTION

Receive Discounted Harbour Due Rates by
Participating in our EcoAction Program



Environmental Recognition for Ships

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

Our EcoAction Program offers discounted harbour due rates to vessels that have implemented emission reduction measures and other environmental practices.



EcoAction Award Levels

NEW for 2017

Underwater noise reduction criteria

Underwater noise created from shipping activities can impact whales' ability to navigate, communicate, and find prey. With a number of at-risk whale species frequenting our waters, reducing underwater noise from vessels is a priority for the Vancouver Fraser Port Authority.

We are proud to be the first port in the world to recognize vessels who are doing their part to reduce underwater noise.

Eligible options for reduced rates:

- Ship classification society quiet vessel notations
 - Bureau Veritas Underwater Radiated Noise (URN)
 - DNV-GL Silent-Environmental (E)
 - RINA DOLPHIN
- Cavitation/wake flow reduction technologies
 - Becker Mewis duct
 - Propeller Boss Cap Fins (PBCF)
 - Schneekluth duct

EcoAction Program

The EcoAction Program recognizes a variety of fuel, technology and environmental management options that are eligible to receive discounted harbour due rates. Vessels may qualify for one of three levels GOLD, SILVER or BRONZE.

The EcoAction Program recognizes positive environmental practices while vessels operate within the Vancouver Fraser Port Authority's jurisdiction. These include emission reduction measures that exceed the current North American Emission Control Area (NA-ECA) requirements adopted under the International Maritime Organization, and technologies or class notations that factor into reduction of vessel-generated underwater noise.



Blue Circle Award

The Blue Circle Award recognizes marine carriers with the greatest fleet-wide participation in the EcoAction Program. Marine carriers must have a minimum of five billable calls at reduced, EcoAction rates, and, greater than 50% of billable calls by all vessels in their fleet calling to the Port of Vancouver at reduced, EcoAction rates.

How to qualify?

Satisfy ONE environmental measure

EcoAction Award Levels

- G** Gold **S** Silver **B** Bronze

Performance Based

- P** Port authority will determine award level based on actual performance of environmental measure.

Cleaner Fuels

Natural Gas

- Performance Based

Biodiesel Blend

- Performance Based

Ship Environmental Programs

POPULAR CHOICES

Environmental Ship Index

- Score ≥ 40
- Score $31 < 40$
- Score $20 < 31$

RightShip

- EVDI of A and Environment 3 or higher
- EVDI of B and Environment 3 or higher
- EVDI of C and Environment 3 or higher

Clean Shipping Index

- Vessel Score of Green
- Vessel Score of Yellow
- Vessel Score of Red

Green Marine

- Level 5 GHG and Level 2 Others
- Level 4 GHG and Level 2 Others
- Level 3 GHG and Level 2 Others

POPULAR CHOICES

Energy Efficiency Design Index

- 15% better than required
- 10% better than required
- 5% better than required

Green Award

- Award Certificate

Vessel and Engine Technologies

Shore Power

- Ship Side infrastructure

POPULAR CHOICES

Vapour Control/Recovery

- Certified for Tankers

Seawater Scrubber

- Performance Based

Direct Water Injection

- Performance Based

Combustion Air Humidification

- Performance Based

Fuel / Water Emulsion

- Performance Based

Selective Catalytic Reduction

- Performance Based

Exhaust Gas Recirculation

- Performance Based

Reduce underwater noise

- Becker Mewis duct **NEW**
- Propeller Boss Cap Fins (PBCF) **NEW**
- Schneekluth duct **NEW**

Ship Classification Societies

Lloyd's Register (LR)

- EP Designation

American Bureau of Shipping (ABS)

- ES Designation

Bureau Veritas (BV)

- Underwater Radiated Noise (URN) Notation **NEW**
- CLEANSHIP Designation

Nippon Kaiya Kyokai (Class NK)

- EA Designation

Registro Italiano Navale (RINA)

- DOLPHIN Notation **NEW**
- GREEN STAR Designation

Det Norske Veritas-Germanischer Lloyd (DNV-GL)

- SILENT Environmental (E) Notation **NEW**
- CLEAN or EP Designations

The Application Process

Gather Information

Applicants must provide the following information when submitting an application:

- Vessel Name
- Vessel IMO identification
- Estimated time of arrival (ETA), for single call applications only
- Environmental measure

Apply online

portvancouver.com/ecoaction

For a Single Call application

1. Submit an application through our website, visit portvancouver.com/ecoaction
2. Port authority verifies the specific environmental measure and will either approve or deny the application.
3. Port authority issues an invoice at the verified rate.

For an Annual Declaration

1. Submit an application through our website, visit portvancouver.com/ecoaction
2. Port authority accepts the declaration subject to review and specifies the default discounted harbour due rate.
3. On the vessel's next visit, the port authority verifies compliance and either approves the default discount rate, adjusts the discount rate on a one-time-only basis or denies the reduction measure and applies the basic harbour due rate.
4. Port authority issues an invoice at the verified rate.

EcoAction Program Guidelines

1. Vancouver Fraser Port Authority harbour due rates, effective January 1, 2017, per gross registered tonne (GRT) in Canadian funds, are as follows:
 - GOLD \$0.050/GRT
 - SILVER \$0.061/GRT
 - BRONZE \$0.072/GRT
 - BASIC \$0.094/GRT
2. An application must be submitted for every vessel call for which a discounted rate is sought, either through the single call process or the annual declaration process.
3. At the time of verification, the port authority will determine the discount award level for the vessel based on available information.
4. Applications will be APPROVED or DENIED at the time of verification at the sole discretion of the port authority and additional information may be requested.
5. Harbour dues are payable no more than five times for the same vessel in any calendar year.
6. No changes to a submitted application will be allowed during the estimated time of arrival (ETA) window for a single call application or to an accepted annual declaration.
7. Appeals can be filed with the port authority to review a prior decision for both single call applications and annual declaration applications.

The Vancouver Fraser Port Authority's use of the name EcoAction refers to a program specifically intended to promote improved environmental performance within the shipping industry and is not related to the EcoAction Community Funding Program administered by Environment Canada.

Find more information in our fee document at portvancouver.com/fees

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