

PORT OF PRINCE RUPERT GREEN WAVE PROGRAM – 2026

The Green Wave program, introduced in 2013, offers reduced harbour dues to vessels that have implemented emission reduction measures and/or other environmental practices to improve their environmental performance. The program focuses on environmental certification, technological implementation and management practices. The aim of Green Wave is to incentivize shipping companies to increase their environmental awareness and continue to improve the performance of their vessels. Vessels can qualify for one of three tiers; each offering a different level of discount from the base harbour dues rate. These tiers are based on the level of commitment toward aspects of environmental performance, including reduced air emissions and pollutants, reduced underwater noise, adoption of energy efficient technology, and participation in the marine sustainability organizations and initiatives that are being rapidly adopted worldwide. The mechanisms to qualify for discounted harbour dues through the Green Wave program include:

EMISSION REDUCTION TECHNOLOGIES

- **Shore power** (at Fairview Terminal)
- **NO_x Tier III engine**
- **Clean Fuels**
- **Emissions Reduction Technology**

ENVIRONMENTAL PROGRAMS

- **Green Marine**
(www.green-marine.org)
- **RightShip**
(www.rightship.com)
- **Environmental Ship Index**
(www.environmentalshipindex.org)
- **Energy Efficiency Design Index**
(www.imo.org)
- **Clean Shipping Index**
(www.cleanshippingindex.com)
- **Green Award**
(www.greenaward.org)

UNDERWATER NOISE – CLASSIFICATION SOCIETIES

- **American Bureau of Shipping (ABS) UWN notation**
(ww2.eagle.org)
- **Bureau Veritas (BV) URN notation**
(group.bureauveritas.com)
- **Det Norske Veritas – Germanischer Lloyd (DNV-GL) SILENT (E) notation**
(www.dnvg.com)
- **Korean Register (KR) URN notation**
(www.krs.co.kr)
- **Lloyd's Register (LR) UWN-L notation**
(www.lr.org)
- **Registro Italiano Navale (RINA) DOLPHIN notation**
(www.rina.org)
- **China Ship Classification (Underwater Noise N)**
(www.ccs.org.cn)

UNDERWATER NOISE – TECHNOLOGY

- **GPX Propeller & Neighbor Duct (Nakashima)**
(www.nakashima.co.jp)
- **GPX Propeller & Composite Stator (Nakashima)**
(www.nakashima.co.jp)
- **Becker Mewis Duct**
(www.becker-marine-systems.com)
- **ECO-Cap (Nakashima)**
(www.nakashima.co.jp)
- **KRISO Vortex Generator (K-VG)**
(www.kriso.re.kr)
- **MMG Energy Saving Cap**
(www.efficiency-by-mmg.de)
- **Pre-Swirl Duct (Hyundai)**
(www.hyundai-gs.com)
- **Kamome Propeller Gate Rudder**
(www.kamome-propeller.co.jp)

Table A. Emission Reduction Technologies & Environmental Programs

		TIER 1 (-10%)	TIER 2 (-20%)	TIER 3 (-50%)
EMISSION REDUCTION TECHNOLOGIES	Shore Power (Fairview Terminal)			Vessel connects to shore power
	NOx Tier III Engine		Engine installed	
	Clean Fuels			e.g. LNG or hydrogen fuel use
	Emission Reducing Technology			e.g. wind or battery assist
ENVIRONMENTAL PROGRAMS	Green Marine	Level 3 GHG and minimum Level 2 in all other indicators OR Level 5 Underwater Noise and minimum Level 2 in all	Level 4 GHG and minimum Level 2 in all other indicators OR Level 5 Underwater Noise and minimum Level 2 in all	Level 5 GHG and minimum Level 2 in all other indicators
	RightShip	Verified GHG B or B+	Verified GHG A	Verified GHG A+
	Environmental Ship Index	Score 35 – 45 ESI Noise Score	Score >45 - 60	Score >60
	Clean Shipping Index	CSI 3	CSI 4	CSI 5
	Energy Efficiency Design Index	Attained EEDI 20% better than required	Attained EEDI 25% better than required	Attained EEDI 30% better than required
	Green Award			Award certificate

*Vessels need only satisfy one criterion to achieve the corresponding tier discount. For more information contact us at greenwave@rupertport.com

Table B. Underwater Noise Reduction

		TIER 1 (-10%)	TIER 2 (-20%)	TIER 3 (-50%)
UNDERWATER NOISE - CLASSIFICATION SOCIETIES	American Bureau of Shipping (ABS)			UWN notation
	Bureau Veritas (BV)			URN notation
	Det Norske Veritas – Germanischer Lloyd (DNV-GL)			SILENT (E) notation or Certificate of
	Korean Register (KR)			URN notation
	Lloyd's Register (LR)			UWN-L notation
	Registro Italiano Navale (RINA)			DOLPHIN notation
	China Classification Society			Underwater Noise N notation
UNDERWATER NOISE - TECHNOLOGY	Air lubrication system		Technology installed	
	Kamome Gate Rudder System		Technology installed	
	GPX Propeller & Composite Stator (Nakashima)		Technology installed	
	GPX Propeller & Neighbor Duct (Nakashima)		Technology installed	
	Becker Mewis Duct	Technology installed		
	KRISO Vortex Generator (K-VG)	Technology installed		
	Composite Stator (Nakashima)	Technology installed		
	Neighbor Duct (Nakashima)	Technology installed		
	Pre-Swirl Duct (Hyundai)	Technology installed		
	Schneekluth Wake Equalizing Duct	Technology installed		

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