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Fact sheet – Emissions

Greenhouse gas emissions from Fjord FSTR compared to its predecessor Fjord CAT

CO2* emissions from Fjord FSTR are reduced by app. 27% pr. passenger pr. nautical mile compared to its predecessor Fjord CAT. This is primarily caused by optimised hull design, larger carrying capacity and more modern and efficient engines on Fjord FSTR.

The calculation is based on fuel consumption data from Fjord CAT in 2018 (last year with normal operation before COVID19) compared to fuel consumption data from Fjord FSTR in 2024 (first year with normal operation after COVID19).

	Fjord CAT 2018 (IMO 9176060)	**FSTR 2024 (IMO 9837339)**
Maximum number of passengers (PAX)	676 PAX **	1.200 PAX ****
CO2e emissions pr year	18.258 ton CO2e ***	30.483 ton CO2 *****
Kg CO2 / nm	439,33 kg CO2e/nm ***	564,22 kg CO2/nm *****
Total distance travelled (nm)	41.559 nm	54.854 nm
Emission intensity (g CO2 / pax* nm)	649,9	470,2
Reduction in emission intensity (%)	-27,7%	

* From 2024, all greenhouse gases emitted from fuel combustion - CO_2, CH_4 and N_2O - are included in greenhouse gas emissions reporting under the EU MRV Regulation. Combined, these emissions are expressed as CO_2 equivalents (CO_2e). However, in 2018 (*** below), only CO_2 emissions were included in greenhouse gas reporting under the EU MRV Regulation. As no CO_2e emissions data are available for Fjord CAT, only CO_2 emissions are included in the above calculation. The percentage change remains the same whether the change in CO_2 or CO_2e emissions is calculated.

** Fjord Line press release, 5. april 2017
https://fjordline.com/nb/p/presse-og-media/pressemeldinger/fjord-cat-klar-rekordtidlig-sesongstart

*** 2018 MRV Emission Report – Fjord CAT (IMO 9176060)
https://mrv.emsa.europa.eu/#public/emission-report

**** Fjord Line Annual Report 2025
https://cdn.sanity.io/files/90kslno9/homeport/920fb074949d98b97871cc30a2bc5ff2bfc6b8a8.pdf

***** 2024 MRV Emission Report – Fjord FSTR (IMO 9837339)
https://mrv.emsa.europa.eu/#public/emission-report