

# NORTHERN MARINE, LLC

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Subject: 2025 Sustainability Snapshot

This white paper is the second, annual comprehensive look at the way we operate regarding environmental impacts. This is by no means complete, but this serves as high look at any identifiable impact areas and trends. This will serve as a significant indication and trajectory of how we are performing as stewards of our environment, and we hope it will serve as an indicative tool for ourselves and our customers.

This data was derived from imperial evidence (contractor provided studies, US Government agency developed calculators, industry calculators) and some internal estimations that will prove out over time and is a comparison look of, for example, diesel or gasoline versus electric rather than a total greenhouse gas (GHG) consumption compared to "pre-initiative" levels.

For calendar year 2025, it is estimated that, across all business lines, we will achieve **784.8 metric tons of CO<sub>2</sub>** offset (MTCO<sub>2</sub>)- 7% more than last year. ***This is equivalent to a Boeing 747 flying from New York to LA 12.7 times (3/4 of an extra trip more than 2024).*** This figure comes from several key areas:

- Vessel fuels continue to be our largest impact area. Our marine vessels operate on a varying degree of biodiesel (11% in the winters, then 17% from April through November). We consumed 457,361 gallons of fuel this year (44,245 more than 2024 with the addition of 2 vessels); of which, 57,400 is bio-derived fuels.
  - Leading to 558 MTCO<sub>2</sub>, and 164 MT (or 42%) greater than last year.
- Shore power reporting for vessels this year provided us with a very accurate count of hours spent not running generators. This led to 51,072 gallons of diesel fuel savings (not to mention engine wear/hours) which contributed to 76 MTCO<sub>2</sub> diversion. This data is derived from our mandatory use of Tow Works every time a vessel is hooked up to shore power during the year.
- Vessel efficiency. Based on several fleeting and leasing options undertaken last year, we believe we continue to see (vessel) operational efficiency gains above 5% which coupled with our fuel consumption
  - A further 36.3 MTCO<sub>2</sub> offset (a 34% increase).
- Facility LED conversions at Slip 4 in Lemont continue to generate 89.4 MTCO<sub>2</sub> savings.
- This year, we achieved 50% vehicle fleet changed over to fully electric vehicles which led to 25.1 MTCO<sub>2</sub> (59% increase over 2024).

This represents a very positive trend based on our first ever report last year. As we look forward to 2026, we can expect the addition of one new Lake Tug (the MV Kimberly E), the MV Cody Boyd, expanded shore power options for vessels in Lemont, south Chicago, consolidation of the staff into a single facility, and use of B-20 fuel starting April 1<sup>st</sup>. Further, Northern Marine Services will begin operations and be added to next year's report to reflect expanded shoreside operations. This report sheds light on the fruitful impact that our business decisions are making for our environment and for our customers.



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