

# Carbon Reduction Impact – RED HILL PLANT

Calculated per year using EPA Greenhouse Gas Calculator

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EPA calculator: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

Excel version: <https://www3.epa.gov/carbon-footprint-calculator>

## Fuel Oil

22.61 lbs CO<sub>2</sub>/gallon or 163.05 lbs CO<sub>2</sub>/MMBtu

@ 132,175 gallons = 2,988,476 lbs

## #2 Diesel

22.5 lbs CO<sub>2</sub>/gallon

@ 34,750 gallons = 781,875 lbs

Combined 3,770,351 lbs CO<sub>2</sub>/Year at Red Hill Plant

## Natural Gas (pipeline standard)

119.58 lbs CO<sub>2</sub>/MCF AND 12.1 LNG gal = 1 MCF

So, 9.88 lbs CO<sub>2</sub>/LNG gal

@ 195,500 gallons\*\* = 1,391,540 lbs CO<sub>2</sub>/Year

51.23% reduction in Greenhouse Gas Emissions per year