

Carbon equivalent calculations

Equivalent car emissions

Results from report	Floating/FPSO 158,000 – 212,000 (in tons) 3,200,000 - 4,200,000 (in kg)		Fixed 270,000 – 435,000 (in tons) 5,400,000 – 8,700,000 (in kg)		Average across fixed & floating
Avg. annual carbon savings in tons	158,000	212,000	270,000	435,000	323,500
Avg. annual carbon savings in kg	158,000,000	212,000,000	270,000,000	435,000,000	
Life cycle savings in tons	3,160,000	4,240,000	5,400,000	8,700,000	
Annual equivalent no. cars	79,000	106,000	135,000	217,500	161,750
Life cycle equivalent	1,580,000	2,120,000	2,700,000	4,350,000	
Methodology	Annual – 1 car produces 2 tons CO ₂ each year, so we have divided the total CO ₂ savings in tons by 2	Life cycle – annual figure x 20	Annual – 1 car produces 2 tons CO ₂ each year, so we have divided the total CO ₂ savings in tons by 2	Life cycle – annual figure x 20	
Link to source	What exactly is 1 tonne of CO₂? We make it tangible. - Climate Neutral Group				
Narrative of source	1 car on gasoline driving half a year in NL (average km's per year with passenger car, gasoline: 9,994 km, source CBS, Dutch National Statistics) ¹				
Sub-sources	² Calculated with the CO ₂ calculator that we use for CO ₂ Footprint calculations. This is based on the Green House Gas Protocol and our up-to-date emission factors, Dutch National emission factors, excl. flying (UK BEIS, formerly DEFRA)				

Equivalent powering homes

Results from report	Floating		Fixed		Average across fixed & floating
Avg. annual carbon savings in tons	158,000.00	212,000.00	270,000.00	435,000.00	323,500
Annual equivalent	102,730.82	137,841.35	175,552.67	282,834.85	210,338.10
Life cycle equivalent	2,054,616.38	2,756,827.05	3,511,053.32	5,656,697.01	
Methodology	Based on source data, we have calculated that 1 household generates 1.538 CO ₂ from electricity consumption	1 ton / 0.65 households = amt. CO ₂ generated per household / year - calculation below	1.538	Therefore divide total tons carbon savings by 1.538	
Link to source	What exactly is 1 tonne of CO₂? We make it tangible. - Climate Neutral Group				
Narrative of source	Electricity consumption (grey) by 0.65 households in one year in NL (average consumption HH: 2765 kWh, source Milieucentral) ²				
Sub-sources	² Calculated with the CO ₂ calculator that we use for CO ₂ Footprint calculations. This is based on the Green House Gas Protocol and our up-to-date emission factors, Dutch National emission factors, excl. flying (UK BEIS, formerly DEFRA)				

Equivalent glacier mass

Results from report	Floating		Fixed		Average across fixed & floating
Avg. annual carbon savings in tons	158,000.00	212,000.00	270,000.00	435,000.00	323,500
Avg. annual carbon savings in kg	158,000,000	212,000,000	270,000,000	435,000,000	323,500,000
Equivalent kilogram glacier mass	2,528,000,000	3,392,000,000	4,320,000,000	6,960,000,000	5,176,000,000
Rounded out figure	2.5 billion kg	3.3 billion kg	4.3 billion kg	6.9 billion kg	5 billion kg
Link to source	ABB Emission Reference Guide, taken from carbonbrief.org	Global warming to date could 'obliterate' a third of glacier ice - Carbon Brief			
Narrative of source	16kg of glacier mass is lost every year per kg CO ₂	The article refers to a study published in Nature Climate Change, by the researchers B. Marzeion, G. Kaser and F. Maussion.			

Other comparisons we can draw, based on other benchmarks

Results from report	Floating		Fixed	
Avg. annual carbon savings in tons	158,000.00	212,000.00	270,000.00	435,000.00
Equivalent of up to...	fire extinguishers		106,000,000	217,500,000
	number of 500m ³ hot air balloons		212,000	435,000
	cubic meters of Cola		1,696	3,480
	liters of Cola (125 m ³ = 125,000)		1,696,000	3,480,000
Narrative of source	What exactly is 1 tonne of CO₂? We make it tangible. - Climate Neutral Group		"1 ton of CO ₂ looks like...500 CO ₂ fire extinguishers; a 500 m ³ hot air balloon; 125m ³ of cola."	

Average annual cost savings

Results from report	Floating	Fixed	Average across both per year	Rounded out
OPEX savings	23,650,000	31,000,000	27,325,000.00	27 million USD
Production revenue increase	32,400,000	32,000,000	32,200,000.00	32 million USD
Net revenue increase	113,000	124,250	118,625	118 thousand USD