

US EPA ARCHIVE DOCUMENT

**Freeport LNG Development, L.P.
GHG Project Summary of Emissions**

**Liquefaction Project GHG Emissions Summary
Freeport LNG**

EPN	Description	Annual Emissions (tons/yr)				
		CO ₂	CH ₄	N ₂ O	SF ₆	CO ₂ e ²
PTFFWP	Fire Water Pump - Pretreatment	37.67	0.002	0.0003	--	38
PTFEG-1	Emergency Generator Train 61	21.54	0.001	0.0002	--	22
PTFEG-2	Emergency Generator Train 62	21.54	0.001	0.0002	--	22
PTFEG-3	Emergency Generator Train 63	21.54	0.001	0.0002	--	22
PTFEG-4	Emergency Generator Utility Area	21.54	0.001	0.0002	--	22
PTFEG-5	Emergency Generator Utility Area	21.54	0.001	0.0002	--	22
PTFEAC-1	Emergency Air Compressor	8.56	0.000	0.0001	--	9
65B-81A	Heating Medium Heater A	24,953.93	0.471	0.0471	--	24,978
65B-81B	Heating Medium Heater B	24,953.93	0.471	0.0423	--	24,977
65B-81C	Heating Medium Heater C	24,953.93	0.471	0.0471	--	24,978
65B-81D	Heating Medium Heater D	2,552.83	0.048	0.0048	--	2,555
65B-81E	Heating Medium Heater E	2,552.83	0.048	0.0048	--	2,555
TO1	Amine Unit / Thermal Oxidizer 61	301,337.99	0.05	4.83E-03	--	301,341
TO2	Amine Unit / Thermal Oxidizer 62	301,337.99	0.05	4.83E-03	--	301,341
TO3	Amine Unit / Thermal Oxidizer 63	301,337.99	0.05	4.83E-03	--	301,341
PTFFLARE	PTF Flare	2,208.07	0.058	0.0085	--	2,212
CT	Combustion Turbine	561,117.99	10.583	1.0583	--	561,668
FUG-TREAT	Pretreatment Fugitives	0.00	26.060	--	--	547
FUG-PTFSF6	Pretreatment Circuit Breakers	0.00	--	--	0.002	58
LIQFWP-1	Fire Water Pump 1	37.67	0.002	0.0003	--	38
LIQFWP-2	Fire Water Pump 2	37.67	0.002	0.0003	--	38
LIQEG-1	Emergency Generator 1	21.54	0.001	0.0002	--	22
LIQEG-2	Emergency Generator 2	21.54	0.001	0.0002	--	22
LIQEG-3	Emergency Generator 3	21.54	0.001	0.0002	--	22
LIQEG-4	Emergency Generator 4	21.54	0.001	0.0002	--	22
LIQEG-5	Emergency Generator - Guard House / Admin Area	21.54	0.001	0.0002	--	22
LIQEAC-1	Emergency Air Compressor	8.56	0.000	0.0001	--	9
LIQEG-6	Emergency Generator - Dock 2	11.41	0.000	0.0001	--	11
LIQFLARE	Ground Flare	11,511.74	0.217	0.0217	--	11,523
FUG-LIQ	Fugitives Liquefaction	--	36.127	--	--	759
FUG-LIQSF6	Liquefaction Circuit Breakers	--	--	--	0.01	340
Project Totals		1,559,176.19	74.71	1.25	0.017	1,561,531