

Green House Gases Inventory

Name: PENRO MARINDUQUE
Office: DENR
Year: 2021

A. Annual fuel consumption of company owned vehicles

Vehicle	Ave. Fuel Used (liters/month)	Type of Fuel used		kgCO2/L				kgCH4/L				kgN2O/L	
1		Gas	2.2718	-	0.0003278	-	21	-	0.00001967	310	-	0	
2	3,059.22	Diesel	2.6765	8,188.00	0.0003612	1.10	21	23.20	0.000021672	310	0.06630	20.55281891	
				8,188.00					23.20				20.55281891

DIESEL	
January	278.60
February	142.20
March	315.52
April	209.17
May	248.30
June	289.16
July	151.00
August	253.60
September	274.67
October	278.64
November	272.05
December	346.31

B. Annual Fuel Consumptions for the stationary sources such as generator sets, and equipment

Month	Diesel		kgCO ₂ /L				kgCH4/L				kgN2O/L
January		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
February		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
March	40	2.6765	107.06	0.0003612	0.014448	21	0.303408	0.000021672	0.00086688	310	0.2687328
April		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
May		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
June		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
July	40	2.6765	107.06	0.0003612	0.014448	21	0.303408	0.000021672	0.00086688	310	0.2687328
August		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
September	40	2.6765	107.06	0.0003612	0.014448	21	0.303408	0.000021672	0.00086688	310	0.2687328

October		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
November		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0
December		2.6765	-	0.0003612	0	21	0	0.000021672	0	310	0

		321.18				0.910224				0.8061984	
Month	Gasoline		kgCO2/L				kgCH4/L				kgN2O/L
January		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
February		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
March		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
April		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
May		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
June		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
July		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
August		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
September		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
October		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
November		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
December		2.2718	-	0.0003278	0	21	0	0.00001967	-	310.00	0
			-				0				0
		321.18				0.910224				0.8061984	

C. Annual purchased electricity

Electricity used:					tCO2e
	77,777	0.5038	39,184.05	1000	39.18

January	4,384
February	5,890
March	5,861
April	6,452
May	7,213
June	7,013
July	7,013
August	7,798
September	5,797
October	7,296
November	7,110
December	5,950

D. Annual Employee air business travel.

Employee Number	Miles Travelled (one-way)	Category (short, medium, long haul)	CO2 Emission Factor (kg CO2/passenger-mile)				CH4 Emission Factor (kg CH4/passenger-mile)				N2O Emission Factor (kg N2O/passenger-mile)
1		0.277	-	0.0000104	0	21	0	0.0000085	-	310.00	0
2		0.229	-	0.0000104	0	21	0	0.0000085	-	310.00	0
3		0.185	-	0.0000104	0	21	0	0.0000085	-	310.00	0
n											
			-				0				0

E. Summary of Results for the GHG Emission of Company ABC:

Scope	kgCO ₂	kgCH ₄	kgN ₂ O	tCO ₂ e
Scope 1				
Mobile	8,188.00	23.20	20.55281891	8.23
Stationary	321.18	0.910224	0.8061984	0.32
Scope 2				
Purchase Electricity				39.18
Scope 3				
Air Business Travel	-	0	0	-
TOTAL	8,509.18	24.12	21.35901731	47.74