

Snowtex Outerwear Ltd.

B-65/3, Lakuriapara, Dhulivita, Dhamrai, Dhaka-1350

ENVIRONMENTAL SUSTAINABILITY REPORT-2022

GHG EMISSION REPORT-2022

GHG Emissions Sources, Factors and Activity Data

1. GHG Emission: Purchased Electricity (January 22 - December 22)

Month	Purchased Electricity (KWh)	CO ₂ e (Tones)
January	347,416	199.7641425
February	258,714	148.7606075
March	303,662	174.6053625
April	321,982	185.1397075
May	329,342	189.37165
June	395,860	227.6195
July	337,452	194.035015
August	381,554	219.3936075
September	385,136	221.453085
October	297,702	171.17842
November	148,357	85.3051025
December	386,883	222.4577825

Source: Greenhouse Gas Protocol for Purchased Electricity Tool Version-4_8_0

2. GHG Emission: Diesel Consumption from Generator & Boiler (January 22 - December 22)

Month	Diesel From Generator & Boiler (liter)	CO ₂ e (tons) from Diesel
January	34443	92.20709
February	25073	67.12363
March	29126	77.97332
April	24812	66.42369
May	15522	41.55484
June	18686	50.02394
July	20715	55.45713
August	29720	79.56514
September	26350	70.54188
October	39433	105.5673
November	29290	78.41435
December	25447	68.12575

Source: Greenhouse Gas Protocol for Stationary Combustion tool (Version4-1)

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3. GHG Emission: LPG Consumption from Kitchen (January 22 - December 22)

Month	LPG From Kitchen (Kg)	CO ₂ e (tons)
January	6,565	20.85066
February	5,609	17.81508
March	6,113	19.41505
April	2,093	6.647089
May	5,181	16.45749
June	6,750	21.44047
July	5,140	16.32569
August	6,649	21.11858
September	6,860	21.78761
October	7,067	22.44523
November	6,925	21.99567
December	7,047	22.3815

Source: Greenhouse Gas Protocol for Stationary Combustion tool_ (Version4-1)

4. GHG Emission: Paper Consumption (January 22 - December 22)

Month	Paper Used (Kg)	CO ₂ e (tons)
January	657	1.78704
February	83	0.22576
March	145	0.3944
April	86	0.23392
May	63	0.17136
June	393	1.06896
July	23	0.06256
August	98	0.26656
September	86	0.23392
October	1040	2.8288
November	26	0.07072
December	696	1.89312

Reference: <http://c.environmentalpaper.org/home>

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5. GHG Emission: Food Waste (January 22 - December 22)

Month	No. of occupant	Meal per day	Avg. Quantity of each meal (gm)	Avg. food waste (gm/day/meal)	CO ₂ e (tons)
January	7767	1	250	20	7.673796
February	7780	1	250	20	7.68664
March	7939	1	250	20	7.843732
April	7985	1	250	20	7.88918
May	8050	1	250	20	7.9534
June	8178	1	250	20	8.079864
July	8091	1	250	20	7.993908
August	8132	1	250	20	8.034416
September	8030	1	250	20	7.93364
October	7977	1	250	20	7.881276
November	7845	1	250	20	7.75086
December	7630	1	250	20	7.53844

Reference: <http://watchmywaste.com.au/food-waste-greenhouse-gas-calculator/>

Table: Overall Emission of GHG According to Activity (January 22- December 22)

Month	Emission of CO ₂ e from different sources (tons)				
	Purchased Electricity	Utility Fuel	LPG	Paper	Food Waste
January	216.793	97.330	20.851	1.787	7.674
February	165.130	74.577	17.815	0.226	7.687
March	193.699	89.304	19.415	0.394	7.844
April	204.840	73.621	6.647	0.234	7.889
May	206.946	43.038	16.457	0.171	7.953
June	249.196	56.099	21.440	1.069	8.080
July	209.708	63.646	16.326	0.063	7.994
August	242.070	102.127	21.119	0.267	8.034
September	246.271	80.935	21.788	0.234	7.934
October	197.235	145.700	22.445	2.829	7.881
November	112.592	91.047	21.996	0.071	7.751
December	245.545	73.142	22.381	1.893	7.538
Total	2490.024	990.565	228.680	9.237	94.259

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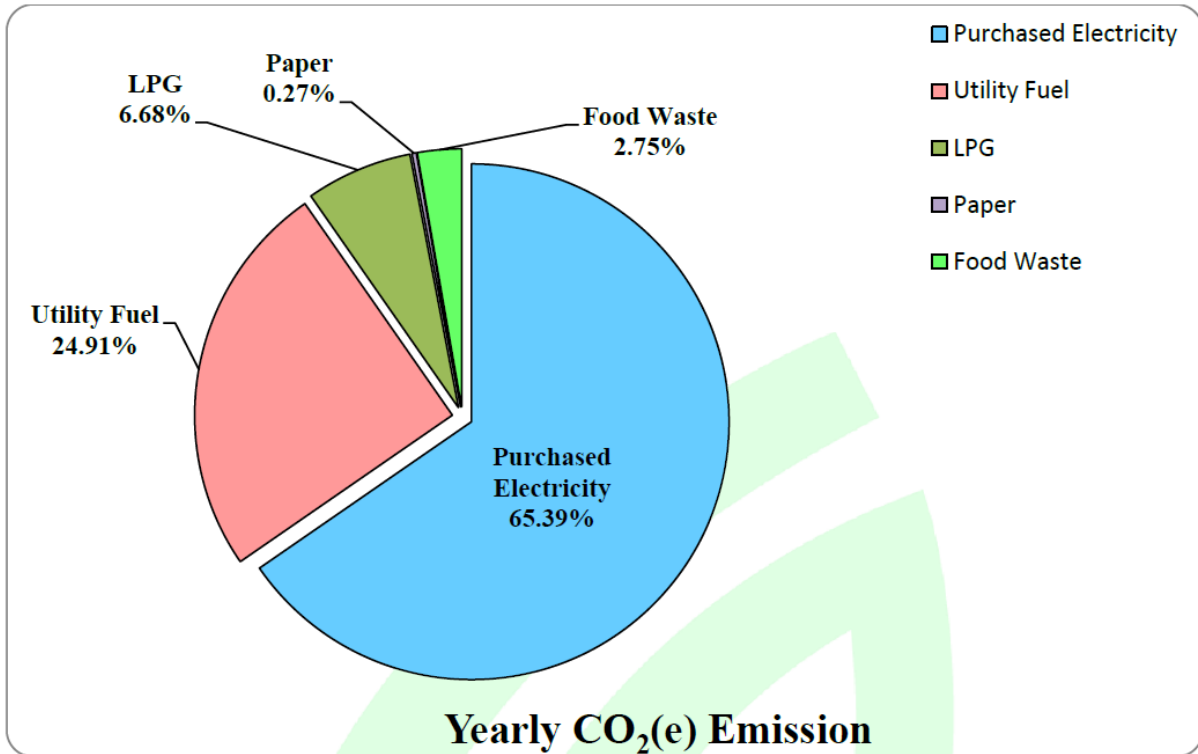


Figure 1: Contribution to the GHG emission of various sectors