

Snowtex Outerwear Ltd.

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

ENVIRONMENTAL SUSTAINABILITY REPORT-2023

GHG EMISSION REPORT-2023

GHG Emissions Sources, Factors and Activity Data

1. GHG Emission: Purchased Electricity (January 23 - December 23)

Month	Purchased Electricity (KWh)	CO ₂ e (Tones)
January	339745	195.353
February	189922	109.205
March	306504	176.239
April	427551	245.841
May	381890	219.586
June	316699	182.101
July	360260	207.149
August	426228	245.081
September	428154	246.188
October	389902	224.193
November	373097	214.530
December	302135	173.727
Average		203.266

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

2. GHG Emission: Diesel Consumption from Generator & Boiler (January 23 - December 23).

Month	Diesel From Generator & Boiler (liter)	CO ₂ e (tons) from Diesel
January	30428.483	81.244
February	31786.24	84.869
March	34043.76	90.896
April	26140.51	69.795
May	46332.06	123.706
June	40574	108.332
July	21873.96	58.403
August	17367.02	46.369
September	16220.22	43.307
October	11368.88	30.354
November	4662.38	12.448
December	24214.18	64.651
Average		67.8645

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

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3. GHG Emission: LPG Consumption from Kitchen (January 23 - December 23)

Month	LPG From Kitchen (Kg)	CO ₂ e (tons)
January	7494	23.800
February	6012	19.094
March	4967	15.775
April	928	2.947
May	6720	21.342
June	6176	19.614
July	5363	17.032
August	6892	21.888
September	6366	20.21
October	6890	21.882
November	6629	21.053
December	6410	20.358
Average		18.74

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

4. GHG Emission: Natural Gas Consumption from Boiler (January 23 - December 23).

Month	Natural Gas From Boiler (N/m ³)	CO ₂ e (tons)
January	3151.3	9.989
February	3052.24	9.675
March	2756.75	8.738
April	73.87	0.234
May	258.56	0.819
June	2970	9.414
July	18914.49	59.958
August	25693.89	81.449
September	22631.57	71.742
October	18907.77	59.937
November	31711.06	100.524
December	19161.29	60.741
Average		42.945

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

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5. GHG Emission: Paper Consumption (January 23- December 23).

Month	Paper Used (Kg)	CO ₂ e (tons)
January	4	0.0108
February	0	0
March	90	0.2448
April	516	1.403
May	14	0.038
June	195	0.530
July	16	0.0435
August	250	0.680
September	287	0.780
October	117	0.318
November	0	0
December	0	0
	Average	0.337

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

6. GHG Emission: Food Waste (January 23 - December 23).

Month	No. of occupant	Meal per day	Avg. Quantity of each meal (gm)	Avg. food waste (gm/day/meal)	CO ₂ e (tons)
January	7526	1	250	20	7.428
February	7981	1	250	20	7.877
March	8239	1	250	20	8.131
April	8109	1	250	20	8.003
May	8088	1	250	20	7.982
June	7965	1	250	20	7.861
July	7942	1	250	20	7.838
August	8207	1	250	20	8.100
September	8335	1	250	20	8.226
October	8389	1	250	20	8.279
November	8184	1	250	20	8.077
December	8202	1	250	20	8.095
				Average	7.991

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

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Table: Overall Emission of GHG According to Activity (January 23- December 23).

Month	Emission of CO ₂ e from different sources (tons)					
	Purchased Electricity	Utility Fuel (diesel oil)	LPG	Natural Gas	Paper	Food Waste
January	195.353	81.244	23.800	9.989	0.0108	7.428
February	109.205	84.869	19.094	9.675	0	7.877
March	176.239	90.896	15.775	8.738	0.2448	8.131
April	245.841	69.795	2.947	0.234	1.403	8.003
May	219.586	123.706	21.342	0.819	0.038	7.982
June	182.101	108.332	19.614	9.414	0.530	7.861
July	207.149	58.403	17.032	59.958	0.0435	7.838
August	245.081	46.369	21.888	81.449	0.680	8.100
September	246.188	43.307	20.21	71.742	0.780	8.226
October	224.193	30.354	21.882	59.937	0.318	8.279
November	214.530	12.448	21.053	100.524	0	8.077
December	173.727	64.651	20.358	60.741	0	8.095
Total	2439.193	814.374	224.995	472.401	4.0481	95.897
% of each item	60.21	20.10	5.55	11.66	0.09	2.36

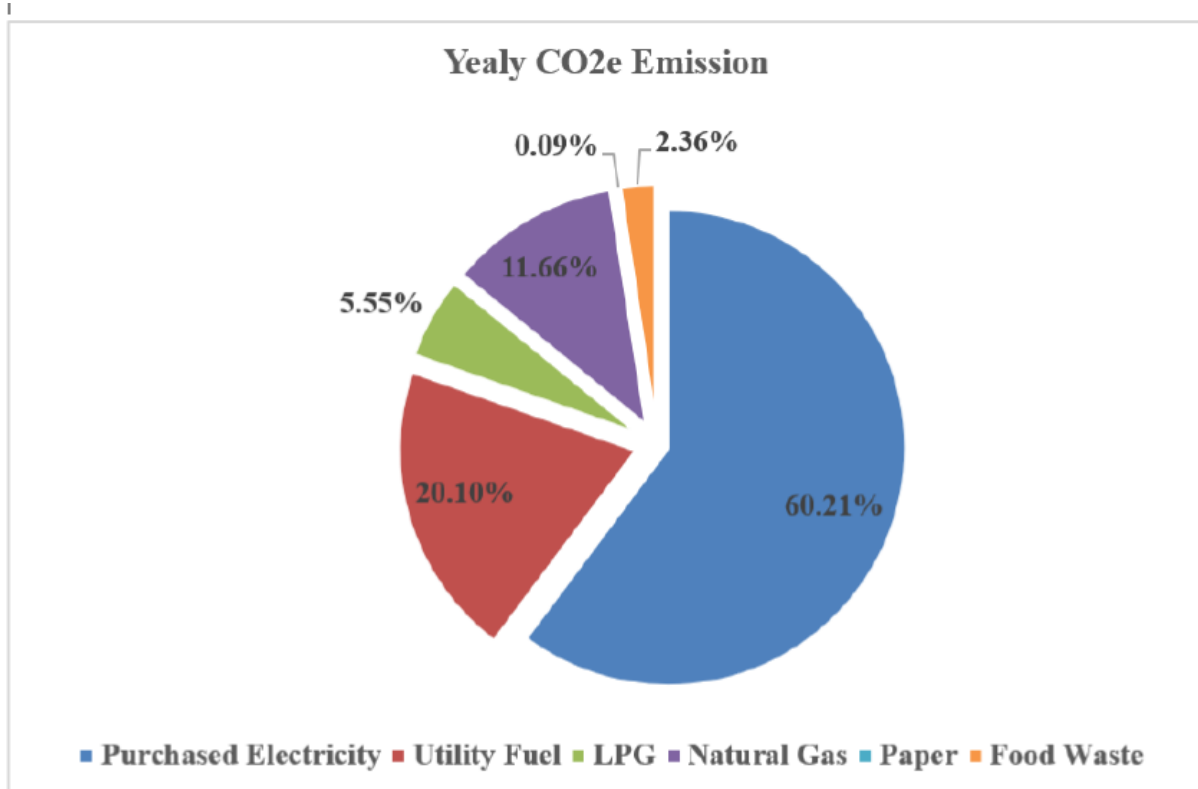


Figure-1: Contribution to the GHG emission of various sectors.