CY 2022 Greenhouse Gas Emissions

Sparksoft Corporation measured and developed a baseline of our greenhouse gas emissions for Calendar Year 2022 for all facilities leased and controlled by the company.

Sparksoft's GHG emissions report provides measurement of our Scope 1 and Scope 2 emissions, as well as our Scope 3 emissions for CY 2022. Sparksoft attests that the Scope 1, 2 and 3 GHG emissions were calculated in accordance with the GHG Protocol Corporate Accounting and Reporting Standard.

In calendar year 2022, Sparksoft's scope 1 and 2 emissions measured approximately 268.6582423 metric tons CO2e. Its Scope 3 emissions measured approximately 81.821224 metric tons CO2e. The entireness of Sparksoft's emissions are from the electricity used in the leased commercial facilities, employee business travel and commuting, and company leased vehicles.

Reduction Targets

Sparksoft Corporation is committed to further reducing our greenhouse gas emissions and our impact on the climate and will establish annual reduction targets beginning in 2023. We believe that establishing and meeting these short and mid-term goals will enable us to achieve a reduction in our emissions to net-zero by or before 2035.

2022 GHG Emissions Data

GHG Characteristics	
Facility Location:	Columbia, MD
Facility Type:	Commercial Office Space
Analysis Year:	2022
Total Facilities:	2
Estimated GHG Emissions:	350.479 metric tons CO2e
Main sources of GHG emissions:	Electric usage, employee travel, and leased company vehicles.

CY 2022 Emissions Analysis

Greenhouse Gas (GHG)	Purchased Electricity	Purchased Heat	Business Travel	Employee Commutes
Carbon dioxide (CO2)	36.52067	213.87935	8.244224	10.654
Methane (CH4)	0.007353316	0.004030592	2.98	32.453
Nitrous oxide (N2O)	0.001124528	1.919713866	2.632	24.858
Hydrofluorocarbons (HFCs)	0	0	0	0
Perfluorocarbons (PFCs)	0	0	0	0
Sulfur hexafluoride (SF6)	0	0	0	0
Nitrogen trifluoride (NF3)	0	0	0	0

Greenhouse Gas (GHG)	Scope 1	Scope 2	Scope 3
Carbon dioxide (CO2)	16.26	250.40002	18.898224
Methane (CH4)	0.000489	0.011383908	35.433
Nitrous oxide (N2O)	0.000198	1.920838394	27.49
Hydrofluorocarbons (HFCs)	0	0	0
Perfluorocarbons (PFCs)	0	0	0
Sulfur hexafluoride (SF6)	0	0	0
Nitrogen trifluoride (NF3)	0	0	0
Total CO2e Tons	16.326	252.3322423	81.821224