

Reporting period: January 1, 2021 – December 31, 2022

GREENHOUSE GAS (GHG) EMISSIONS REPORT – OPERATIONAL CONTROL

DESCRIPTIVE INFORMATION

Red Gate empowers our clients to make impactful, sustainable change, and assists them in creating solutions for challenges confronting the Nation. Founded in 2006, Red Gate is a service disabled veteran owned small business (SDVOSB) which serves the federal government under a number of single- and multiple-award contracts. Red Gate’s core competencies are Intelligence and Operations Services; Science, Technology, and Acquisitions; and Information Technology. Red Gate has measured and reported greenhouse gas emissions for scope 1, scope 2, and scope 3.

- Consolidation approach: Operational control
 - Red Gate has operational control over the corporate affairs (back office) employees. Red Gate does not have operational control over contracts from government requirements.
- The base year is 2021 as it is the first year RG has reported GHG emissions on.
- Self attestation: The scope 1, scope 2, and scope 3 GHG emissions were calculated in accordance with the GHG Protocol Corporate Accounting and Reporting Standard, also using the GHG Protocol Calculator.

DATA BREAKDOWN BY EMISSION TYPE

Emissions	2021				2022			
	Total CO2e (mt)	CO2 (mt)	CH4 (mt)	N2O (mt)	Total CO2e (mt)	CO2 (mt)	CH4 (mt)	N2O (mt)
Scope 1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Scope 2	38.611	38.386	0.003	0.000	36.551	36.338	0.003	0.000
Scope 3	11.719	11.604	0.001	0.000	32.227	32.060	0.001	3.775
TOTAL	50.330	49.990	0.004	0.001	68.778	68.398	0.004	3.776

*There are no HFCs, PFCs, SF6, CO2 Biogenic combustion emissions

DATA BREAKDOWN OVER ALL YEARS

	2021		2022	
	CO2e Emissions (mt)	% of total emissions	CO2e Emissions (mt)	% of total emissions
Scope 1	0.000	0%	0.000	0%
Scope 2	38.611	77%	36.551	53%
Electricity - Building	38.553	77%	36.452	53%
Electricity - Computers	0.058	0%	0.099	0%
Scope 3	11.719	23%	32.227	47%
Business Travel	1.236	2%	3.775	5%
Employee Commute	10.483	21%	13.556	20%
Purchased Goods - Computers	0.000	0%	14.896	22%
Total	50.330	100%	68.778	100%

EMISSIONS DETAILS

	Scope 1	Scope 2	Scope 3
Sources	1. Refrigerants (fridge, mini fridge, HVAC)	1. Electricity from the RG office building 2. Electricity from computers	1. Business travel 2. Employee commuting 3. Purchased goods (computers)
Methodology	- Refrigerant use in the office building are small, insignificant, and the necessary data is not recorded to estimate the emissions. These sources also do not contain a high amount of refrigerant to begin with nor do they leak a significant amount of refrigerant. Refrigerant emissions are reported as 0.	- Electricity usage from the RG office building was received from the office building management company -Computers electricity usage was calculated based on the battery of the computer, how often employees work from home and under the assumption that the computers are in use for 8 hours a day and 5 days a week	- Business travel mileage data through both air and car were collected through expense reports where air mileage comes from airplane flights and car mileage comes from expensed miles, rental cars, ridesharing, and gasoline -Employee commuting data was collected by calculating distance from employee's house to work site along with an estimate average frequency of times a year they travel into the work site -Computers' upstream emissions are reported from the production of products purchased or acquired by the reporting company in the reporting year by looking at the product carbon footprint of each computer