



**Trace Systems Inc.**  
**Annual Greenhouse Gas and Emissions Report**  
**Reporting Year 2023**

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## CY 2023 Greenhouse Gas Emissions

Welcome to Trace Systems Inc.'s Greenhouse Gas and Emissions Annual Report, where data and responsibility meet to address the pressing issue of climate change. With every passing year, we strive to deepen our understanding of these emissions, shedding light on their sources and exploring innovative solutions to minimize their harm. This report serves as a vessel of transparency, allowing us to present our findings, progress, and the steps we have taken to reduce our carbon footprint. Together, Trace Systems Inc. is embarking on a transformative path, unraveling the complexities of emissions, and taking actionable measures to secure a cleaner, healthier future for all.

Across Trace Systems Inc., we recognize our responsibility to mitigate the impact of greenhouse gas emissions on the environment. We are committed to proactively addressing climate change and reducing our carbon footprint. Through meticulous monitoring and strategic actions, we aim to decrease our greenhouse gas emissions across our operations.

By promoting environmental stewardship at our offices, we stand not only as an example for other businesses but also as a catalyst for positive change. We are dedicated to doing our part in combating climate change and securing a better future for generations to come.

Trace Systems Inc.'s GHG emissions report provides measurement of our Scope 1, Scope 2, and Scope 3 emissions for CY 2023. Trace Systems Inc. attests that the Scope 1, 2 and 3 GHG emissions were calculated in accordance with the GHG Protocol Corporate Accounting and Reporting Standard.

While our operations do not generate direct greenhouse gas emissions within Scope 1, we remain committed to understanding, monitoring, and mitigating our environmental impact.

## Reduction Targets

Trace Systems Inc. is committed to reducing our greenhouse gas emissions and our impact on the climate and will establish annual reduction targets beginning in 2023. Trace believes that establishing and meeting these short and mid-term goals will enable us to achieve a reduction in our emissions and move towards a goal of becoming Net Zero by 2040.

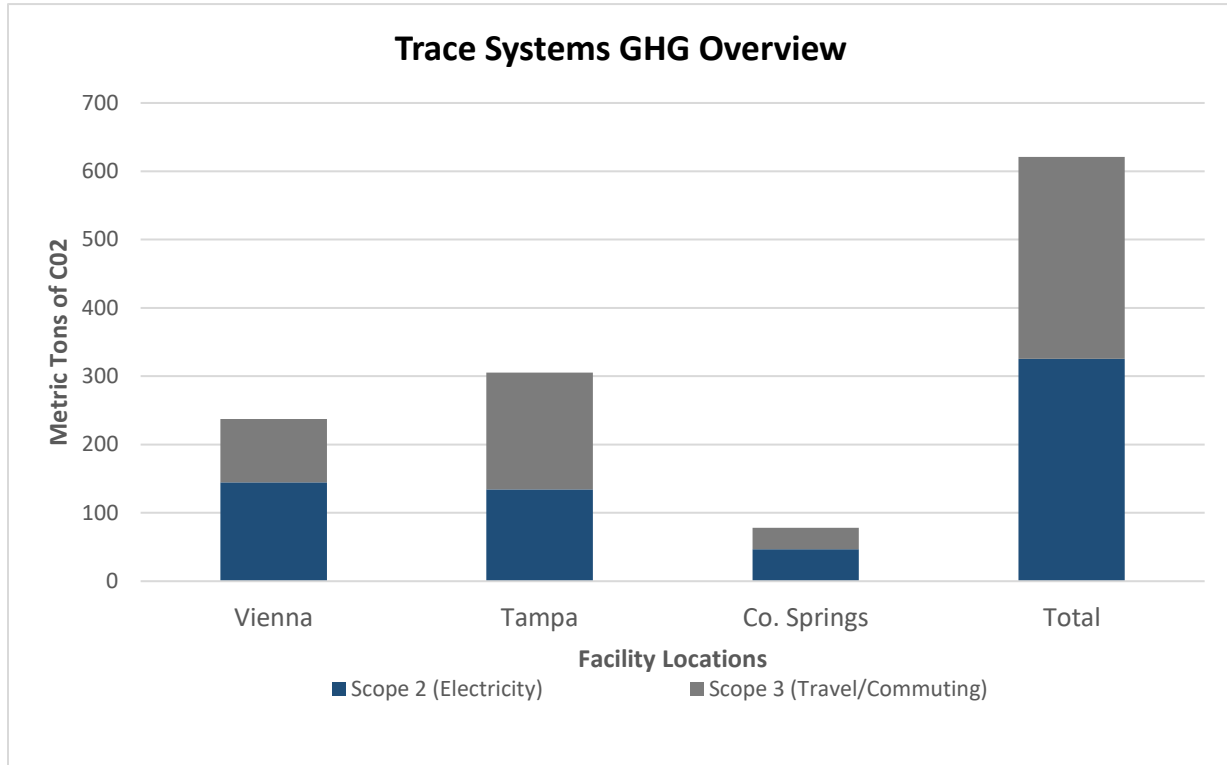
## Greenhouse Gas Scope Definitions

Scope 1: direct greenhouse (GHG) emissions that occur from sources that are controlled or owned by an organization (e.g., emissions associated with fuel combustion in boilers, furnaces, vehicles).

Scope 2: indirect GHG emissions associated with the purchase of electricity, steam, heat, or cooling.

Scope 3: the result of activities from assets not owned or controlled by the reporting organization, but that the organization indirectly affects in its value chain.

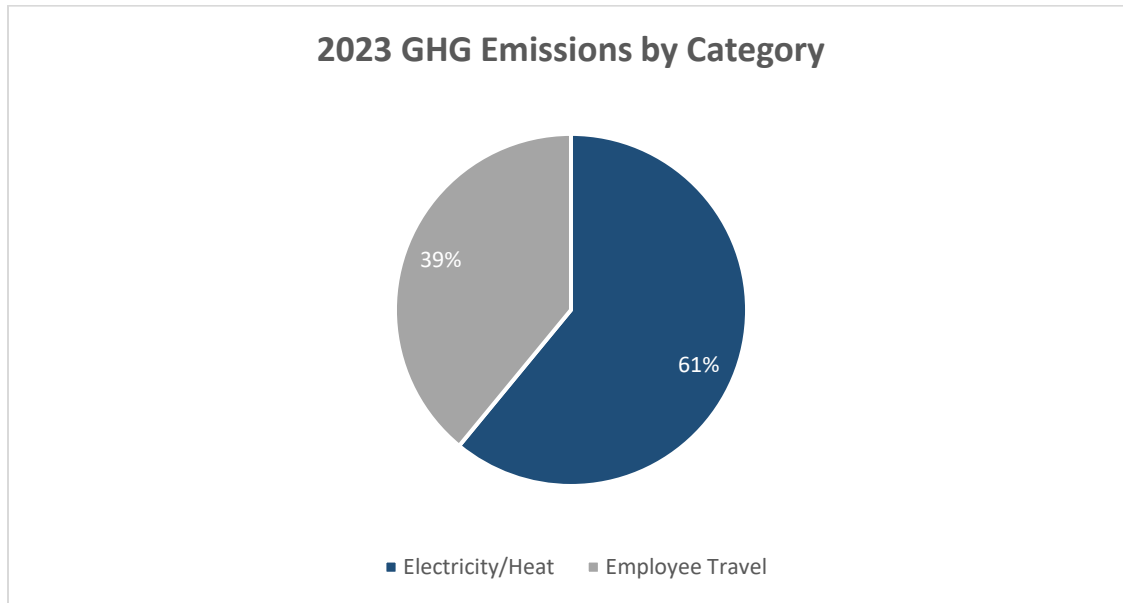
## 2023 Trace Systems Facility Overview



	Scope 1	Scope 2 (Electricity)	Scope 3 (Travel/Commuting)
Vienna		144.6645205	92.6415335
Tampa		134.3346262	171.2423275
Co. Springs		46.63791176	31.730874
<b>Total (metric tons CO2e)</b>	N/A	<b>325.6370584</b>	<b>295.614735</b>

## Trace Systems Corporate Headquarters

Facility Information	
Facility Location:	Vienna, VA
Facility Type:	Commercial Office Space
Analysis Year:	2023
Total Facilities:	1
<b>Estimated GHG Emissions:</b>	<b>237.31 metric tons CO2e</b>
Main sources of GHG emissions:	Electric usage; employee travel



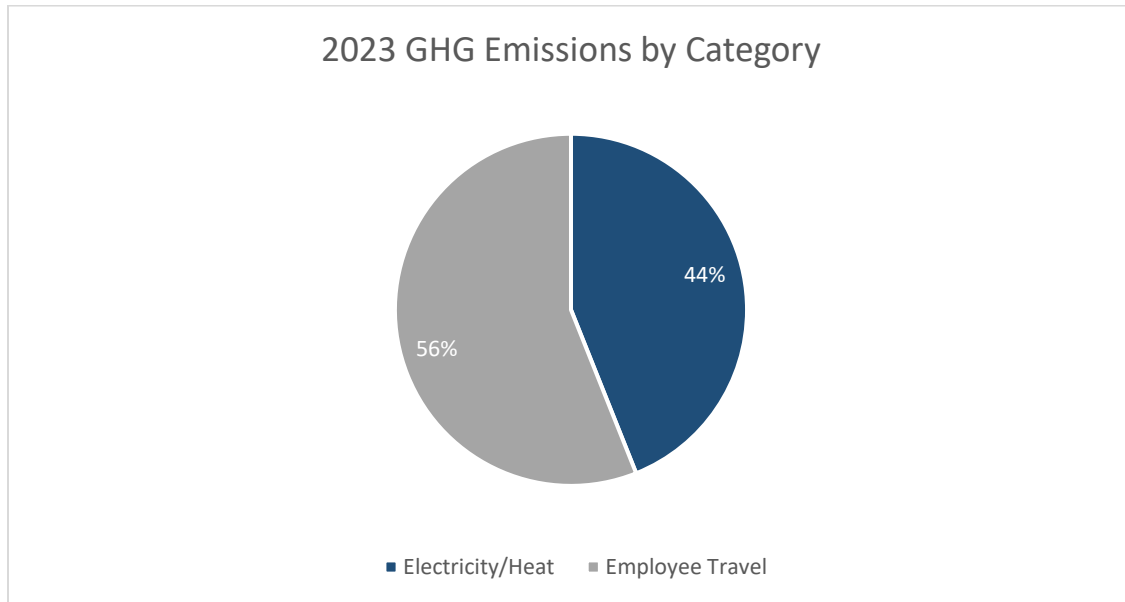
Greenhouse Gas (GHG)	Purchased Electricity	Purchased Heat	Business Travel	Employee Commutes
Carbon dioxide (CO2)	107.8212398	36.18804655	19.72	72.03
Methane (CH4)	0.009718486	0.00068197	0.000087	0.00399
Nitrous oxide (N2O)	0.001305468	6.8197E-05	0.0006235	0.00231
Hydrofluorocarbons (HFCs)	0	0	0	0
Perfluorocarbons (PFCs)	0	0	0	0
Sulfur hexafluoride (SF6)	0	0	0	0
Nitrogen trifluoride (NF3)	0	0	0	0

**Facility Totals (Trace HQ)**

<b>Greenhouse Gas (GHG)</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 3</b>
Carbon dioxide (CO2)	0	144.0092864	91.75
Methane (CH4)	0	0.010400456	0.004077
Nitrous oxide (N2O)	0	0.001373665	0.0029335
Hydrofluorocarbons (HFCs)	0	0	0
Perfluorocarbons (PFCs)	0	0	0
Sulfur hexafluoride (SF6)	0	0	0
Nitrogen trifluoride (NF3)	0	0	0
<b>Total CO2e Tons</b>	<b>0</b>	<b>144.6645205</b>	<b>92.6415335</b>

## Trace Systems Operations Control Center (OCC)

Facility Information	
Facility Location:	Tampa, FL
Facility Type:	Commercial Office Space
Analysis Year:	2022
Total Facilities:	1
<b>Estimated GHG Emissions:</b>	<b>305.58 metric tons CO2e</b>
Main sources of GHG emissions:	Electric usage; employee travel



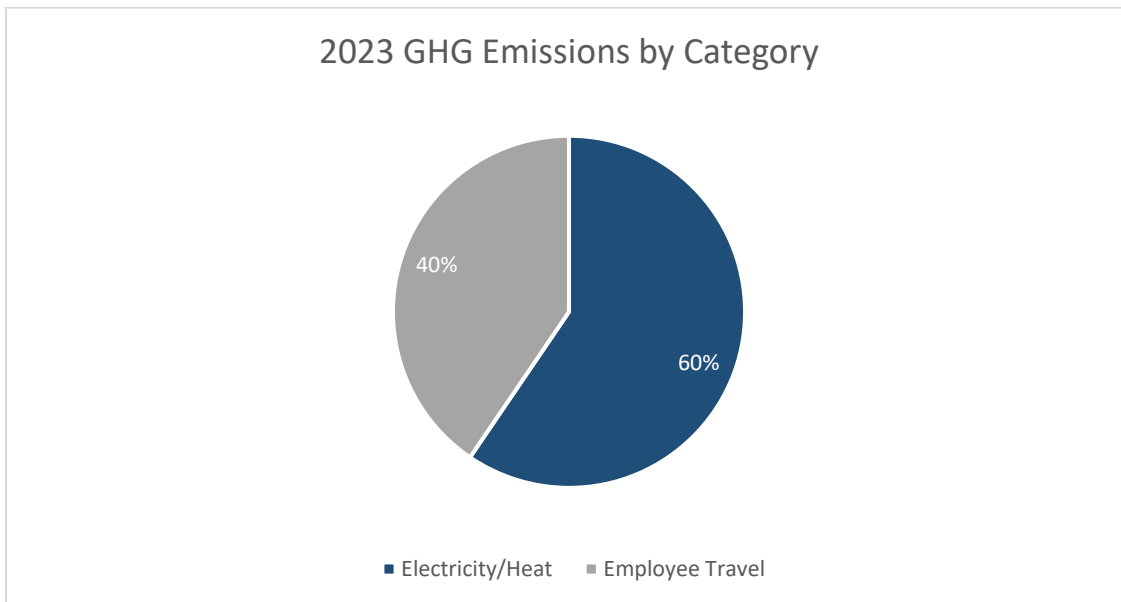
Greenhouse Gas (GHG)	Purchased Electricity	Purchased Heat	Business Travel	Employee Commutes
Carbon dioxide (CO2)	105.5634362	28.26262841	23.8	145.775
Methane (CH4)	0.00747679	0.000532614	0.000105	0.008075
Nitrous oxide (N2O)	0.001019562	5.32614E-05	0.0007525	0.004675
Hydrofluorocarbons (HFCs)	0	0	0	0
Perfluorocarbons (PFCs)	0	0	0	0
Sulfur hexafluoride (SF6)	0	0	0	0
Nitrogen trifluoride (NF3)	0	0	0	0

**Facility Totals (Trace OCC)**

<b>Greenhouse Gas (GHG)</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 3</b>
Carbon dioxide (CO2)	0	133.8260646	178.9732
Methane (CH4)	0	0.008009404	0.0087006
Nitrous oxide (N2O)	0	0.001072824	0.0057289
Hydrofluorocarbons (HFCs)	0	0	0
Perfluorocarbons (PFCs)	0	0	0
Sulfur hexafluoride (SF6)	0	0	0
Nitrogen trifluoride (NF3)	0	0	0
<b>Total CO2e Tons</b>	<b>0</b>	<b>134.3346262</b>	<b>171.2423275</b>

## Trace Systems Satellite Office (Colorado Springs, CO)

Facility Information	
Facility Location:	Colorado Springs, CO
Facility Type:	Commercial Office Space
Analysis Year:	2023
Total Facilities:	1
<b>Estimated GHG Emissions:</b>	<b>78.37 metric tons CO2e</b>
Main sources of GHG emissions:	Electric usage; employee travel



Greenhouse Gas (GHG)	Purchased Electricity	Purchased Heat	Business Travel	Employee Commutes
Carbon dioxide (CO2)	38.99488813	7.63854822	13.6	17.836
Methane (CH4)	0.003765951	0.00014395	0.00006	0.000988
Nitrous oxide (N2O)	0.000551115	1.4395E-05	0.00043	0.000572
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



**Facility Totals (Trace CO. Springs)**

<b>Greenhouse Gas (GHG)</b>	<b>Scope 1</b>	<b>Scope 2</b>	<b>Scope 3</b>
Carbon dioxide (CO2)	0	46.63343635	39.596
Methane (CH4)	0	0.0039099	0.001084
Nitrous oxide (N2O)	0	0.00056551	0.00126
Hydrofluorocarbons (HFCs)	0	0	0
Perfluorocarbons (PFCs)	0	0	0
Sulfur hexafluoride (SF6)	0	0	0
Nitrogen trifluoride (NF3)	0	0	0
<b>Total CO2e Tons</b>	<b>0</b>	<b>46.63791176</b>	<b>31.730874</b>