



2023

GREENHOUSE GAS EMISSIONS REPORT



BRILLIANT CORPORATION

1893 Metro Center Drive,
Suite 210
Reston, VA 20190
(703) 994-4232
www.brilliant.net



Brilliant Corporation (Brilliant)

Overview

Brilliant is an award-winning full spectrum digital transformation company with over 1,500 employees and annual revenues exceeding \$100M. Brilliant is sensitive to its social responsibility for the environmental impact on the communities in which we live and work. Since we primarily provide professional and support services to the Federal Government – working within Federal Government facilities – Brilliant has a relatively modest environmental impact for its business size. Even so, we are committed to being an environmentally conscious, green company with sustainable practices.

In 2023, Brilliant launched a corporate initiative to begin measuring and disclosing our environmental impact. This initiative applied global environmental frameworks such as *Greenhouse Gas (GHG) Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)* ("*GHG Protocol*") and United States Environmental Protection Agency (EPA) methods to calculate our Scope 1 and Scope 2 emissions for 2021 and 2022. This Report was prepared and presented in accordance with the *GHG Protocol*.

Approach to Measuring Greenhouse Gas Emissions

This section describes Brilliant's approach to measuring GHG emissions that arise from its business operations.

Brilliant's Operational Control Boundary

Brilliant utilizes an Operational Control Boundary for the purposes of GHG emissions reporting. GHG emissions associated with the facilities over which Brilliant has determined it has operational control ("Operational Control Boundary") are included in this *GHG Emissions Report*. This boundary includes Brilliant owned or leased motor vehicles as well as Brilliant owned, leased, or rented facilities (except facilities leased on behalf of the Federal Government).

Most Brilliant employees work in Federal Government facilities, while many other Brilliant employees work from home via telework agreements. Federal Government facilities, facilities leased on behalf of the Federal Government, and employees' homes are outside Brilliant's Operational Control Boundary. Brilliant leases offices and other facilities in the Washington DC and Kansas City Metropolitan areas and nationwide. For 2021 and 2022, these facilities included the corporate headquarters office in Reston, Virginia; a corporate office in Lee's Summit, Missouri; and more than a dozen regional scanning centers.

Base Year

Brilliant has established 2021 as the Base Year for Scope 1 and Scope 2 emissions disclosure. Since subsequent years' emissions will be compared to this 2021 baseline, Brilliant may recalculate its baseline or subsequent years' emissions to reflect future mergers, acquisitions, divestitures, clarifications or changes to calculation methodologies, or other factors. In each instance of recalculation, Brilliant will disclose its rationale for any change.

Emissions Reported

This Report includes Scope 1 and Scope 2 emissions, reported in accordance with the requirements of the *GHG Protocol*. For 2021 and 2022, Brilliant did not participate in energy attribute certificates, so our reported emissions do not include any offsets from these certificates. This Report does not include Scope 3 emissions.

The GHG emissions data included in this Report cover carbon dioxide ("CO₂"), methane ("CH₄"), and nitrous oxide ("N₂O") emissions from electricity and fuel consumption. Brilliant is not aware of emissions of hydrofluorocarbons ("HFC") emissions from refrigerants, perfluorocarbons ("PFCs"), sulfur hexafluoride ("SF₆"), or nitrogen trifluoride ("NF₃") within its Operational Control Boundary.

Methodology

Brilliant's Scope 1 Emissions

Our Scope 1 emissions include direct emissions arising from mobile combustion of diesel fuel by Brilliant owned or leased motor vehicles. Employee-owned vehicles, commercial delivery vehicles (e.g., FedEx, UPS), and rideshare services (e.g., Uber, Lyft) are outside Brilliant's Operational Control Boundary. During 2021 and 2022, Brilliant did not have any significant amounts of stationary combustion of fuels or refrigerants.

Primary usage data was used to calculate GHG emissions associated with the mobile combustion of fuels. During 2021 and 2022, Brilliant operated trucks and vans in performance of its contracts. Brilliant Scope 1 emissions were calculated beginning with the contract teams' estimated annual miles traveled for each vehicle. Contract teams reported miles per gallon (MPG) for recent/current vehicles, while industry estimates were used for older vehicles where documentation did not provide actual data. Annual miles traveled and MPG were used to calculate the gallons of diesel fuel consumed annually. Scope 1 emissions factors were obtained from the U.S. *Environmental Protection Agency (EPA) Simplified GHG Emissions Calculator ("Calculator Tool")*, which is available on the EPA website.

Scope 1 emissions were calculated based on the gallons of diesel fuel consumed (for CO₂) and miles traveled (for CH₄ and N₂O) using the EPA emissions factors, then converting these amounts to metric tons.

Brilliant's Scope 2 Emissions

Brilliant's Scope 2 emissions include indirect emissions arising from purchased electricity and natural gas for its facilities during 2021 and 2022.

Brilliant reports Scope 2 emissions from purchased electricity using the *GHG Protocol* dual-reporting methodology, stating figures to reflect both:

- A location-based method that reflects the average emissions intensity of the national electricity grids from which consumption occurs; and
- A market-based method that reflects emissions from electricity specific to each supply/contract.

The **location-based method** considers average emission factors for the electricity grids that provide electricity to a reporting organization. Brilliant Scope 2 emissions were calculated beginning with the actual information about the geographic location, square footage, and occupancy dates of each facility within Brilliant's Operational Control Boundary. Annual subregion emission rates for electricity consumption were from U.S. EPA's *Emissions & Generation Resource Integrated Database (eGRID) for 2021*. For 2021 and 2022, Scope 2 emissions for all Brilliant facilities were calculated by multiplying the square footage by the EPA emissions factors, prorated based on occupancy dates.

The **market-based method** considers contractual arrangements under which the reporting organization procures power from specific suppliers or sources. For Brilliant facilities where actual electricity consumption data existed, annual emission rates for electricity consumption were from U.S. EPA's *Calculator Tool*, which is based on the methodology provided in EPA's *Center for Corporate Climate Leadership Greenhouse Gas Inventory Guidance*.

Scope 2 emissions were calculated by multiplying the electricity consumption by the EPA emissions factors, prorated based on occupancy dates. In 2021 and in 2022, approximately 37% of Brilliant's square footage had actual electricity consumption data. Consistent with the *GHG Protocol*, the location-based method was used to estimate electricity consumption for Brilliant facilities that did not have actual electricity consumption data and the resultant emissions are included in our totals for the market-based method.

Brilliant calculated Scope 2 emissions for purchased natural gas for its facilities that met two criteria: 1) the facility's lease did not include utilities, and 2) the facility utilized natural gas. In 2021 and in 2022, approximately 35% of Brilliant's square footage met these two criteria. Brilliant facilities that did not meet these two criteria are not included in these calculations.

Conclusion

Brilliant has a modest environmental impact for its business size, with GHG emissions far below the national and global per capita averages. In 2021 and in 2022, our combined Scope 1 and Scope 2 GHG emissions* totaled less than 200 metric tons per year, which is less than 0.2 metric tons per employee. The average carbon footprint per capita in the United States is approximately 14.5 metric tons per year, while the average carbon footprint per capita globally is approximately 3.6 metric tons per year.**

This report and supporting calculations were reviewed by a Brilliant executive who was not involved in their preparation, not by an independent third party. Brilliant is committed to further reducing our GHG emissions towards the ultimate goal of net zero environmental impact.

* - Total Scope 1 and Scope 2 emissions using the Market-based Method.

** - Source: The Nature Conservancy, <https://www.nature.org/en-us/get-involved/how-to-help/carbon-footprint-calculator/>; units adjusted to metric tons.

Brilliant's Greenhouse Gas Emissions at a Glance

	2021	2022
Scope 1 Emissions (Mobile Sources)		
CO2 (in metric tons)	33.3758	36.8364
CH4 (in metric tons)	0.0003441	0.0004673
N2O (in metric tons)	0.001120	0.001679

	2021	2022
Scope 2 Emissions (Electricity, Location-based Method)		
CO2 (in metric tons)	206.2751	131.8497
CH4 (in metric tons)	0.01920	0.01261
N2O (in metric tons)	0.002780	0.001833
Scope 2 Emissions (Electricity, Market-based Method)		
CO2 (in metric tons)	150.2928	109.5139
CH4 (in metric tons)	0.01354	0.01012
N2O (in metric tons)	0.001930	0.001426
Scope 2 Emissions (Purchased Natural Gas)		
CO2 (in metric tons)	10.6849	52.7724
CH4 (in metric tons)	0.0002048	0.001011
N2O (in metric tons)	0.0001959	0.0009675

This initial disclosure of Brilliant’s Scope 1 and Scope 2 GHG emissions is expected to be an iterative process. Brilliant’s Operational Control Boundary, calculation methods, and calculated emissions amounts are expected to be updated and continuously improved over subsequent annual or as-needed iterations.



GREENHOUSE GAS EMISSIONS REPORT

1893 Metro Center Drive
Suite 210
Reston, VA 20190
(703) 994-4232

ABOUT BRILLIANT:

Brilliant is an award-winning full spectrum digital transformation company, enabling clients to transform through the continuum of analog, to digital, to analytics, leading to insight-driven decision making and mission execution. We help Federal Government clients elevate their delivery of services to achieve friction-free interaction with the American people.