



Public Disclosure of Scope 1 and 2 Greenhouse Gas (GHG) Emissions

01 August 2022 – 31 July 2023

Synertex, in its ongoing commitment to environmental responsibility, is pleased to publicly disclose our Scope 1 and Scope 2 Greenhouse Gas (GHG) Emissions. This disclosure aligns with our commitment to sustainable business practices and transparency in our journey to reducing our carbon footprint. Synertex follows the GHG Protocol Corporate Accounting and Reporting Standard.

Greenhouse Gas Reporting Requirements

GHG Reporting is a systematic approach by which organizations measure and report their greenhouse gas emissions. The principal aim of GHG reporting is to understand, manage, and reduce an organization's GHG emissions. Reporting is typically categorized into three scopes:

- **Scope 1:** Direct emissions from sources owned or controlled by the company.
- **Scope 2:** Indirect emissions from the generation of purchased energy consumed by the company.
- **Scope 3:** Emissions caused by a company's activities, but originating from sources not owned or directly controlled by the company.

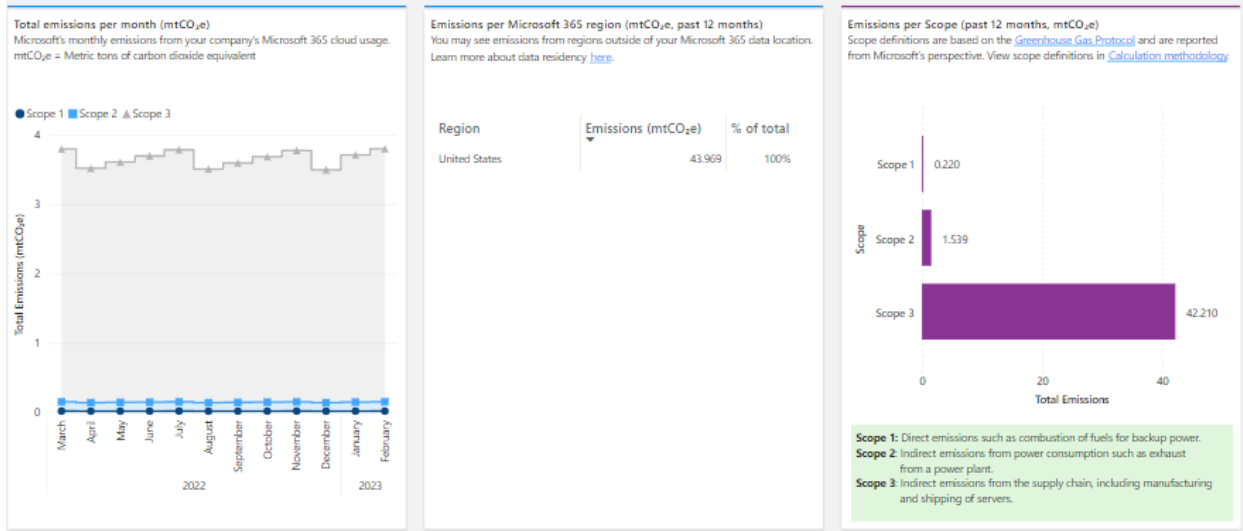
Methodology

At Synertex, the integrity and transparency of our GHG Emissions report hinge on the effective methodology we employ.

1. **Data Collection:** Without any physical facilities, our primary focus shifted to indirect emissions from company-endorsed activities and tools. We collected data on all digital services, tools, and platforms utilized by our employees in the course of their daily operations. Synertex uses Microsoft's Emissions Impact Dashboard to track Scope 1 and 2 emissions, shown in **Figure 1**.
2. **Emission Estimation:** Emissions from cloud services were estimated using data provided by our service providers. They often have detailed reports outlining their own emissions which, in turn, helps us gauge our share. For other indirect sources, we used industry-standard emission factors, extrapolated from similar business operations and tools.
3. **Standards and Protocols:** Our methodology aligns with the Greenhouse Gas Protocol, ensuring our calculations are consistent with global best practices. Scope 1 and 2 GHG emissions were calculated in accordance with the GHG Protocol Corporate Accounting and Reporting Standard.



Figure 1: Synertex uses Microsoft's Emissions Impact Dashboard



How Synertex Addresses GHG Reporting Requirements

Scope 1 Emissions: Given that Synertex does not own or rent any facilities, our direct emissions (Scope 1) are negligible. This is a significant step in minimizing our carbon footprint.

Requirement Addressed: Synertex has inherently reduced its Scope 1 emissions by not owning or operating any physical facilities.

Scope 2 Emissions: Previously, Synertex operated from a physical office based in Reston, Virginia. However, in our commitment to environmental sustainability, we closed our physical office and transitioned to a fully-remote corporate infrastructure. By doing so, we have eliminated the indirect emissions associated with energy consumption (electricity, heating, and cooling) of our physical office space.

Furthermore, the divestment from our on-premises IT infrastructure to scalable cloud-based services has significantly reduced the energy and cooling requirements that typical data centers would consume.

Requirement Addressed: Through strategic operational decisions, Synertex has drastically reduced its Scope 2 emissions associated with purchased energy.

Synertex Scope 1 & 2 Emissions for 01 August 2022 – 31 July 2023

Emissions Category	Inventory	Emissions
Scope 1	No assets/infrastructure	0 mtCO ₂ e
Scope 2	No assets/infrastructure	0 mtCO ₂ e



Benefits of Remote Work

Switching to a remote working model hasn't just benefited Synertex operationally but has significant environmental advantages:

Reduced Commuter Emissions: Without daily commutes, we've reduced carbon emissions that would arise from vehicles. This translates not just to less pollution but also reduces traffic congestion and wear on public infrastructures.

Lowered Infrastructure Impact: Reduced need for physical infrastructure means less energy consumed for heating, cooling, and lighting, and fewer resources used for office supplies and maintenance.

Flexibility and Resource Efficiency: Remote work allows employees to manage their resources more efficiently, leading to less waste.

Cloud Infrastructure

Our transition to cloud infrastructure goes beyond mere operational efficiency:

Eco-friendly Data Centers: Our chosen cloud service providers prioritize sustainability, using energy-efficient data centers often powered, in part or whole, by renewable energy sources. This ensures our digital operations leave a reduced carbon footprint.

Optimized Resource Usage: Cloud servers are designed to optimize resource allocation, ensuring that no energy is wasted. This contrasts with traditional in-house servers that might run continuously, regardless of demand.

Scalability with Efficiency: As Synertex grows, our cloud infrastructure can scale with us without the linear increase in energy usage typical of traditional setups.

Scope 3 Emissions

Beyond Scope 1 and 2 emissions, there exists a broader range of indirect emissions, Scope 3 emissions are a result of a company's activities but originate from sources not owned or directly controlled by the company. For Synertex, these include:

1. **Employee Commuting:** While we've drastically reduced this through our remote model, any occasional in-person meetings or events might generate some emissions.
2. **Supply Chain Emissions:** These could arise from the production and distribution of products or services we use, such as office supplies or third-party software.
3. **Business Travel:** Any flights, hotel stays, or transportation associated with business meetings, conferences, or other company-endorsed events.

While Scope 3 emissions can be diverse and complex, Synertex is committed to understanding and reducing these emissions. We're currently evaluating our Scope 3 emissions and exploring strategies to minimize their impact.



Conclusion

Synertex's transition to a remote work structure and adoption of cloud-based services demonstrates our proactive approach towards minimizing our GHG emissions. We believe that these changes not only offer environmental benefits but also ensure operational and cost efficiencies. We remain committed to evaluating and implementing sustainable strategies and practices in our operations, ensuring a more sustainable future.

Synertex invites stakeholders to provide feedback and engage in discussions about our sustainability efforts. We are dedicated to continuous improvement and will periodically update our stakeholders on our progress and further initiatives.