

Environmental Performance Report 2023

Metric	Unit	Quantity
Scope 1 GHG emissions	tCO2e	510.2
Scope 2 GHG emissions (location-based)	tCO2e	639.7
Scope 2 GHG emissions (market-based)	tCO2e	495.4
Total energy consumption	MWh	3,285.7
Total water consumption	KiloLitres	2,850.3

Introduction

This Environmental Performance Report has been prepared to meet the requirement of IEEE 1680.1 / 4.9.2.1. The statement is structured in accordance with ISO 14064-1: 2018.

Period

These disclosures have been prepared based on a reporting year of January 1 to December 31, 2023

Boundaries

The organizational boundary of the disclosures is constrained to assets where Smart Technologies ULC¹² Calgary have operational control. This includes the Calgary headquarters at 3636 Research Road NW and one UK 3.5t van.

GHG emissions methodology summary

The GHG emissions statement has been prepared using guidance included in the World Resources Institute/World Business Council for Sustainable Development Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard, Revised Edition (the GHG Protocol). The GHG emissions have been determined based on measured or estimated activity data multiplied by relevant carbon emission factors.

The GHG emissions reported include:

- Scope 1 – Stationary combustion of natural gas (heating) and diesel (generator)
- Scope 1 – Mobile combustion of diesel
- Scope 2 – Purchased electricity used in HQ (office space, test labs, environmental chamber and server room)

¹ [We are SMART | Powering connections that matter everywhere \(smarttech.com\)](https://www.smarttech.com)

² [Connect with Us | SMART Technologies](#)

Other GHG emissions have been excluded based on either low materiality³, externality to boundary, or lack of data.

All GHG emissions figures are in tonnes of carbon dioxide equivalents (CO₂e) and include the greenhouse gases carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O) using the AR4 GWPs. Perfluorocarbons (PFCs), hydrofluorocarbons (HFCs), and sulphur hexafluoride (SF₆) emissions have been omitted from our reporting as they are not a material source of greenhouse gases for the business.

Energy consumption methodology summary

The Energy consumption information has been prepared using guidance within GRI Disclosure 302-1 (a) *Total fuel consumption within the organization from non-renewable sources*.

Water consumption methodology summary

The Water consumption information has been prepared using guidance within GRI Disclosure 303-3(a) *Total water withdrawal*.

Emission factor values

Metric	Unit	Quantity
Scope 1 GHG emissions – stationary combustion of natural gas	Kg CO ₂ e/kWh	0.26484
Scope 1 GHG emissions – stationary combustion of diesel	KG CO ₂ e/litre	2.65937
Scope 1 GHG emissions – mobile combustion of diesel (Van 3.5t)	KG CO ₂ e/mile	0.40524
Scope 2 GHG emissions – consumption of electricity (location-based)	Kg CO ₂ e/kWh	0.47000
Scope 2 GHG emissions – consumption of electricity (market-based)	Kg CO ₂ e/kWh	0.36395

Emission factor sources

Metric	Source
Scope 1 GHG emissions – stationary combustion of natural gas	National Inventory Report 1990 – 2022: greenhouse gas Sources and sinks in Canada 2024
Scope 1 GHG emissions – stationary combustion of diesel	UK Greenhouse gas reporting: conversion factors 2023
Scope 1 GHG emissions – mobile combustion of diesel (Van 3.5t)	UK Greenhouse gas reporting: conversion factors 2023
Scope 2 GHG emissions – consumption of electricity (location-based)	National Inventory Report 1990 – 2022: greenhouse gas Sources and sinks in Canada 2024, Part 3
Scope 2 GHG emissions – consumption of electricity (Market-based)	Enmax 2023 Environmental, Social, Governance Report

³ Materiality threshold applied is 5%
V0.1

Energy density sources

Metric	Source
Total energy consumption – stationary combustion of natural gas	UK Greenhouse gas reporting: conversion factors 2023
Total energy consumption – stationary combustion of diesel	UK Greenhouse gas reporting: conversion factors 2023