

## Tech Memo.

**TO:** Stakeholders of Enviro-Stewards  
**CC:** Posting to Enviro-Stewards' Blog  
**FROM:** Bruce Taylor (Enviro-Stewards)  
**DATE:** July 19, 2021  
**RE:** Enviro-Stewards' Commitment to NetZero 2030 Climate Collective

---

### 1. Introduction

The B Corp Climate Collective is a member organization of the [UNFCCC's Race to Zero campaign](#), which mobilizes cities and organizations to achieve net zero carbon emissions by 2030. As part of this partnership, all Net Zero by 2030 committed B Corps are considered a part of the Race to Zero. This memorandum outlines the scope of Enviro-Stewards' commitment.

### 2. Background (Scope 1 & 2)

Scope 1 & 2 emissions, respectively, result from direct emissions such as combustion of natural gas (Scope 1) and indirect emissions resulting from consumption of electricity (Scope 2).

Enviro-Stewards previously committed to reduce our Scope 1 & 2 greenhouse gas emissions per employee by 80% relative to our 2008 baseline year. As publicly tracked & reported by Sustainable Waterloo Region, Enviro-Stewards achieved this commitment in 2018 ([link](#)).

We achieved this by reducing energy consumption per employee by 78% and offsetting twice the remaining balance of our Scope 1 & 2 emissions.

### 3. Rationale for Selection of Scope 3 emissions

Scope 3 emissions are any emission sources other than Scope 1 & 2 such as employee travel and emissions generated in the supply chain before materials reach your facility.

#### Travel

In our case, the most relevant Scope 3 emissions would be for employee travel to work on projects (such as by road, train and airplane). However, we do not include these emissions as they would be misleading if they are not accompanied by the reductions resulting from our travel.

Interestingly, when our staff travel to work on projects, the greenhouse gas reductions resulting from their work are hundreds to thousands of times larger than the greenhouse gases associated with their travel to complete the work. As publicly reported in our December 2020 annual public benefit statement ([link](#)), measures implemented at our client's facilities had avoided 245,000 tonnes of greenhouse gas emissions.

Similarly, about once per year, it is necessary to travel to East Africa to build capacity and train & equip locally owned & operated Safe Water Social Venture projects. However, the greenhouse gas reductions resulting from providing access to safe water (and hence avoiding the need to deforest in order to boil water) are much larger than the greenhouse gas emissions associated with our travel to complete this work. As of December 2020, biosand filters installed in East Africa due to the Safe Water Social Venture project had avoided 15,500 tonnes of GHG emissions.

Therefore, we track employee travel but exclude it from reporting as emissions associated with our travel are more than offset by the greenhouse gas emission reductions resulting from such work.

#### Supply Chain

Most of our reports, designs and meetings are electronically transmitted. Therefore, their supply chain footprint is already included in our Scope 2 emissions (electricity consumption).

If we do need to print material, it is normally printed on 30% recycled FSC certified paper. We track the predominant type of paper purchased per year (8.5 by 11 inch), however, its [footprint](#) (0.136 tonnes/yr) is relatively small due to the low volume purchased (40 lb/yr).

#### **4. Type of Verified Offset and Rationale**

Enviro-Stewards chooses to purchase Gold Standard Voluntary Carbon Credits. Specifically, we have purchased credits from Canadian First Nations Projects and African Safe Water Projects.

We are in the process of certifying carbon credits generated by the Safe Water Social Venture Projects that we develop. Once certified, we will purchase credits from these locally owned & operated projects to help with their operating costs and encourage our clients to do so likewise.

#### **5. Current Scope 1, 2 and 3 Emissions and Amount Offset**

During 2020, Enviro-Stewards' office generated 3.45 tonnes of Scope 1 emissions (due to natural gas consumption) and 0.32 tonnes of Scope 2 emissions (due to consumption of electricity).

As described in Section 3, we do not report Scope 3 emissions for our travel as they are more than offset by the outcomes resulting from that travel. Scope 3 emissions from our paper consumption (0.136 tonnes/yr) are relatively small. Therefore, our 2020 footprint was 3.9 tonnes.

We then purchased 8 tonnes of verified carbon credits (twice the remaining balance) as per the attached certificate.

On June 24<sup>th</sup>, 2021, we commissioned an Affordable Smart Blue Roof on our office ([Article](#)), which is expected to further reduce our energy consumption & greenhouse gas emissions in 2021 and the coming years.

# ENVIRO-STEWARDS

HAS OFFSET

8

# TONNES OF CO<sub>2</sub>

Through projects which tackle global climate change and improve people's lives.

By offsetting your emissions through ClimateCare you are supporting projects that make a measurable difference to people's lives as well as protecting the environment. Climate and development projects:



CREATE JOBS



IMPROVE HEALTH



SAVE FAMILIES  
MONEY



PROTECT WILDLIFE



PRESERVE LOCAL  
RESOURCES



FIGHT CLIMATE  
CHANGE