

Annual Public Benefit Statement 2019.

of Enviro-Stewards Inc., an engineering firm and Certified B Corporation that helps clients increase their profits, sustain the environment, and compellingly benefit society.

Objectives

Enviro-Stewards' public benefit purpose is to cultivate resilient businesses and improve the lives of people in extraordinary ways.

Specifically, we improve the economic, environmental and social sustainability of corporations and empower groups in developing countries to sustainably provide safe water.

In the interests of those materially affected by the corporation's conduct, we strive to provide meaningful employment at greater than a living wage while building up the capacity of corporations and development groups to sustainably benefit society and the environment.

Standards

To track progress on our public benefit objectives, Enviro-Stewards tracks the following:

- B Corporation's [Impact Reports](#)
- Sustainable Waterloo Region's [Sustainability Reporting Directory](#)
- Living Wage [Tracking of Champions](#)
- Internal Tracking of Sustainability Impacts of Enviro-Stewards' Projects (spreadsheet)
- Internal Tracking of the Impacts of the Safe Water Project (spreadsheet)

Results

B Corporation

- In 2019, Enviro-Stewards received an audited score of **149** (for reference 80 is required for certification); we are due to recertify in 2021
- The score was so high that we received designation as a 2019 Best for the World Business for [Overall Impact](#). In addition, Enviro-Stewards was recognized as a top-performing B Corporation in each and every category that they are measured: Best For Environment, Best For Customers, Best For Governance, Best For Community, and Best For Workers

Sustainable Waterloo Region

- Enviro-Stewards committed to, and achieved, its commitment to reduce emissions per employee by **80%** per employee by 2018. Specifically, we reduced emissions by **>70%** per employee through conservation projects and purchased offsets for the balance.
- Based on our work helping clients increase their yield and reduce their own footprints, Enviro-Stewards shared SWR's Partners Award with Conestoga Meats ([video](#)).

Living Wage

- All Enviro-Stewards' full-time and part-time employees (including student positions) earn at least a living wage, and all contracted staff are paid a living wage.

Enviro-Stewards Projects

- As of the end of December 2019, Enviro-Stewards projects are estimated to have saved facilities **\$111.4 million** with an average payback period of 0.9 years and avoided*:
 - **93 million m³** of natural gas (enough to heat 34,500 homes for a year)
 - **139 million kwh** of electricity (equivalent to annual output of 543 acres of solar panels)
 - **19 million m³** of water (equivalent to 9,000 km of water tankers bumper to bumper)
 - **200 thousand tonnes** of GHG emissions (equivalent to 42,600 vehicles)
 - **90 thousand tonnes** of waste (equivalent to annual garbage from 116,000 people)

*Note: A third part assessment found that 90% of Enviro-Stewards customers intend to implement all or most recommendations. The estimates above conservatively assume a 60% implementation rate and an implementation lag period of 0.5 year. However, in practice, most customers commence implementing measures immediately.

- Enviro-Stewards projects with Maple Lodge Farms and Dextran each won national clean capitalism awards.
- Enviro-Stewards' food loss prevention project with Provision Coalition, CCFI and Walmart Foundation won a national clean capitalism award ([Clean50](#)). This project identified an average of **\$228,000/yr/facility** at 50 food & beverage processors across Canada. For context, if you placed a grocery bag beside the CN tower in Toronto and kept placing them side by side, you would reach London, Ontario before you ran out of grocery bags each year.

Safe Water Project

- Enviro-Stewards was previously awarded a national [Energy Globe Award](#) for the safe water social ventures launched in South Sudan and featured in a [TEDx talk](#). During 2019, Enviro-Stewards was the only Canadian company to receive a [global SDG award](#) and was featured in an [article](#) in MEDA's Marketplace Magazine.
- As of the end of December 2019, the Safe Water Project founded by Enviro-Stewards is estimated to have:
 - Installed **1,946** biosand filters, of which 1,446 are thought to remain in service**
 - Purified **97.1 million litres** of water
 - Saved **7,900 trees**
 - Avoided **14,500 tonnes** of GHG emissions

- Avoided **5,474 cases** of typhoid
- Created **17 jobs** in developing countries, and
- Added **17,700 years** of Health Adjusted Life Expectancy (HALE)

** Note: Due to escalation of the civil war in South Sudan, it is no longer safe to reinspect biofilters there to ensure they are still in service. For conservatism, the total numbers above arbitrarily assume that 500 of the 742 biofilters installed in South Sudan are not currently operating. However, once the residents return, they can be quickly returned to useful service.

Assessment

During 2019, Enviro-Stewards has made good progress at tracking the impacts of its' projects and development work. It also continues to be ranked at or near the top of each of the relevant standards tracking organization's scales.

During 2020, Enviro-Stewards will continue to grow the market for food waste prevention services, increase the number of integrated holistic projects (water, energy, & ingredient conservation), and increase our capacity to implement and track the results of our projects.

In February 2020 we will also continue developing our safe water social venture training materials on the [Safe Water Project website](#) for anyone wanting to start a new safe water project or to convert their existing charitable based project to an enterprise model (in order to increase their beneficial impact).

Enviro-Stewards SDGs



DESCRIPTION
Production efficiencies frees up margin for employees

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Food loss prevention increase food available for people to consume

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Living wage, toxic use reduction

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Guest lecturing at universities & schools

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Balanced hiring

INFLUENCE Indirect
RECOGNITION n/a



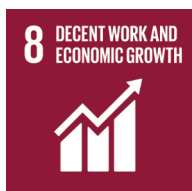
DESCRIPTION
Industrial wastewater treatment & water conservation

INFLUENCE Direct
RECOGNITION OWWA award



DESCRIPTION
Reducing electrical and thermal energy demand (with rapid paybacks)

INFLUENCE Direct
RECOGNITION Clean50 award



DESCRIPTION
Building local jobs paying more than a living wage

INFLUENCE Direct
RECOGNITION Best for the world



DESCRIPTION
Water & energy conservation, food loss prevention, climate adaptation (blue roofs)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Living wage, production efficiencies frees up margin for employees

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Circular Food Economy project (8 manufacturers in Guelph)

INFLUENCE Direct
RECOGNITION n/a



DESCRIPTION
Food loss prevention project (50 food & beverage producers across Canada)

INFLUENCE Direct
RECOGNITION Clean50 award



DESCRIPTION
Reducing direct (energy) and indirect (embedded energy in food) consumption

INFLUENCE Direct
RECOGNITION n/a



DESCRIPTION
Food loss prevention (lobster, mussels, etc.)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Food loss prevention (reduces pressure to convert ecosystems to agriculture)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Social venture training, guest lecture at peace & engineering

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Collaborating on social, environmental & economic initiatives

INFLUENCE Direct
RECOGNITION SDG award

Safe Water Project SDGs



DESCRIPTION
Reducing expenditures on water related illnesses

INFLUENCE Direct
RECOGNITION n/a



DESCRIPTION
Reducing expenditures on illnesses leaves margin for food

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Reducing water related illnesses (typically 50% of patients)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Capacity building (entrepreneurship, technical, sales, marketing)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Support women lead social ventures (among others)

INFLUENCE Indirect
RECOGNITION n/a



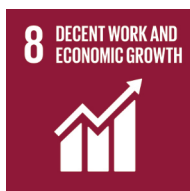
DESCRIPTION
Empowering groups to sustainably provide safe water

INFLUENCE Direct
RECOGNITION Energy Globe award



DESCRIPTION
Solar powering of safe water social ventures

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Building entrepreneurial capacity and local jobs

INFLUENCE Direct
RECOGNITION MEDA article



DESCRIPTION
Capacity building (entrepreneurship, technical, sales, marketing)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Building entrepreneurial capacity and local jobs

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Reducing water illnesses and deforestation

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Providing safe water without chemical or energy consumption

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Avoiding deforestation to boil water

INFLUENCE Direct
RECOGNITION n/a



DESCRIPTION
Avoiding deforestation (to boil water) reduces erosion

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Avoiding deforestation (to boil water) preserves habitat

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Providing employment and basis needs (safe water)

INFLUENCE Indirect
RECOGNITION n/a



DESCRIPTION
Collaborating on development initiatives

INFLUENCE Direct
RECOGNITION SDG award