

The Green Engineer, Inc. 2021 Benefit Report

Company Name: The Green Engineer, Inc.

Address: 23 Bradford St Concord, MA 01742

Year Established: 2005

President: Carrie Havey

Benefits Director: Tiffany Cogell

Significant (>5%) Ownership in the Company: Chris Schaffner, Erik Ruoff, Carrie Havey, Sarah Michelman, Anthony Hardman, Matt Smith, Peter Levy, Bradley Newkirk, Michael Munn, Allison Zuchman, Elizabeth Cerda, Vipul Singh, Erica Down, Brenna Powers, Jacob Savona

Board of Directors:

- Carrie Havey– President (TGE employee)
- Peter Levy – Treasurer (TGE employee)
- Jacob Savona – Secretary (TGE employee)
- Tiffany Cogell – Benefit Director (Outside Director)
- Chris Schaffner – CEO non-voting (TGE employee)
- Sarah Michelman (TGE employee)
- Michael Munn (TGE employee)
- Sean Bridgeo (Outside Director)

Company Background:

The Green Engineer, Inc. is a sustainable design consulting firm specializing in energy-efficient and sustainable design solutions for the built environment. Founded in 2005 by Christopher Schaffner, PE, LEED, the firm currently has a staff of 24. Our team members consist of Sustainability Consultants and Building Performance Analysts. Our expert team brings to the table experience and perspective from a variety of backgrounds including engineering, architecture, environmental science, construction, planning, development, and policy. We practice an Integrative Design approach to provide clients with solutions to design, build, and operate buildings with improved energy efficiency and reduced environmental impact.

It is The Green Engineer Inc.'s purpose to identify and serve the long-term interests of our clients and the planet, in alignment. We see sustainability as a core goal shared by design team members and stakeholders. Our practice uses tools such as energy and daylight modeling and life-cycle assessment of materials to analyze performance and inform our decision-making.

On January 1, 2013, we became The Green Engineer, Inc. an S Corporation. On September 10, 2013, we also became a Massachusetts Benefit Corporation.

According to our amended Articles of Incorporation, "The Corporation shall be a Benefit Corporation as provided in Massachusetts General Laws Chapter 156e and shall have the purpose of engaging in any lawful business.

The public benefit purpose of The Green Engineer, Inc. is to create a positive impact on society and the environment, taken as a whole, through the business and operations of The Green Engineer, Inc, including to:

- (1) Distribute ownership and economic benefit to its employees; and
- (2) Further our business practices to foster a more adaptive, resilient, sustainable, and human economy; and
- (3) Identify and serve the long-term interests of our clients and the planet, in alignment."

Public Benefit:**General Public Benefit**

The Green Engineer, Inc., operates as an ethical business, providing good jobs at good wages. We are inclusive, prefer local suppliers, and are open and transparent in our bookkeeping practices as well as in sharing our knowledge and expertise.

The Green Engineer, Inc. is a company that strives to positively impact the lives of its employees, community, and environment. As a triple-bottom-line company (people, planet, and profit), TGE's general public impact during CY 2021 was made in the areas of philanthropy, community, and sustainability.

TGE regularly contributes time, monetary contributions, and expertise that directly benefit the communities our employees, clients, and fellow team members live and work in. In 2021, our company supported numerous organizations, focusing on fewer than in the past to allow for a greater impact. Those included, but were not limited to:

- Conservation Law Foundation
- 350.org
- Indigenous Environmental Network

Many TGE employees serve on boards or committees of organizations involved in promoting sustainable and energy-efficient practices on a local to global scale. Our founder is invited to give numerous presentations and talks on sustainability to various organizations.

Specific Public Benefit *(as related to business deliverables)*

We consult on projects to advise on energy efficiency and environmental impact. We work with architects, developers, institutions, non-profits, and the government sector to provide sustainability-related services including sustainability project management services relating to the achievement of third-party certification programs, including LEED (Leadership in Energy & Environmental Design), CHPS (Collaborative for High-Performance Schools) and WELL (Health and wellness) certification. Additionally, we perform energy and daylight modeling, life cycle cost and environmental impact analysis, training and coaching, and audits for buildings. Our projects include k-12 schools, higher education, commercial/office buildings, labs, institutional buildings, and high-rise residential buildings.

Since our founding in 2005, The Green Engineer, Inc. has completed more than 230 projects that have achieved LEED Certification, including 13 projects that have achieved a LEED Platinum rating. In 2021 alone, The Green Engineer completed 14 LEED certified projects with over 1.6M SF of LEED certified construction. These 14 projects yield a combined, reduced site energy use of 20,185 MMBtu/yr and reduced potable water use of 6,248,105 gallons/year. The average recycling rate was 77%, resulting in 34,728 tons of waste diverted from landfills, and carbon emissions were reduced by 12,634 metric tons. By installing high-efficiency building systems within these 14 projects, a total of \$651,223 was saved in energy costs.

In addition to LEED, we certified our first project under the WELL v2 rating system, achieving Platinum certification. Our Health and Wellness sector continues to be a primary goal as we have accepted 29 new projects pursuing WELL v2 and Fitwel certifications. As a result, our efforts have created a healthier environment for building occupants and cities.

In 2019, we made a formal commitment to accelerate the reduction of our greenhouse gas emissions to reach a 1.5-degree trajectory leading to net-zero by 2020— 30 years ahead of the 2050 targets set in the Paris Agreement. In 2020, The Green Engineer benchmarked the firm's annual Scope 1 and Scope 2 carbon dioxide emissions and purchased Renewable Energy Certificates and carbon offsets equal to 100% of the firm's greenhouse gas emissions for the next three years. Our formal commitment includes re-evaluating our emissions and purchasing offsets every three years. In addition to purchasing offsets, we are also committed to reducing our consumption of energy and fossil fuels, by telecommuting and investing in energy conservation measures within our office space.

Third-Party Standard:

The Green Engineer, Inc. selected B Lab for the third-party standard used to prepare the company's benefit report because the B Corp framework is comprehensive, independent, credible, and transparent. Because of the extensive knowledge and support offered by B Lab in serving the benefit corporation community, and our experience working with them to achieve B Corps status, we felt that they had a solid approach that closely aligned with both our business and social mission principles.

The Green Engineer, Inc. has used the B Impact Assessment as a tool since May 2011 to help benchmark our social and environmental impact. We have formally recertified and the results of our 2021 B Impact Assessment are attached to this report. The Green Engineer, Inc. scored 121.7 points out of 200 in the B Corp framework.

The Green Engineer, Inc. was recognized by B Lab as a 'Best for the World Overall' in 2021. Additionally, we earned recognitions across 2 additional categories, including Best for Environment, and Best for Workers.

Benefit Director's Statement:

Our Benefit Director prepared a letter after reviewing the company's Annual Benefit Report for 2021 that is attached to this Benefit Report.

Compensation:

None of the TGE-employee Directors or Officers of The Green Engineer, Inc. Board of Directors or the Benefits Director, were compensated for their services as Directors or Officers of the Company during the period covered by the report. However, our outside Director Sean Bridgeo was compensated \$2,000.00 and our Benefits Director Tiffany Cogell was compensated \$3,000.00 for their participation in the Board of Directors for the period covered by this report.

