



# Sustainability Management System Progress at a Glance 2017

## Greenhouse Gas Emissions

Align emissions reduction goal with the City of Fort Collins by reducing emissions 80% compared to our 2011 baseline by 2030.

## Energy

Continue to invest in our building so that it remains a demonstration of leading-edge energy efficiency practices and renewable energy integration. For our two satellite locations, our objective is to establish a relationship with the facility manager, determine a method for tracking energy use for the areas we occupy, and encourage positive practices that lead to reduced energy use for the building as a whole.

## Water

Use the Fort Collins headquarters building to showcase a practical application of the Net Zero water toolkit and encourage collaborative workspaces to develop similar water efficiency practices.

## Transportation

Empower employees to make healthy, low-carbon transportation choices and continue to decrease emissions associated with commuting and business travel.

## Waste & Materials

Foster a culture of zero waste through employee education and by applying a sustainable materials management approach to our purchasing and waste practices. Share this experience beyond the company to benefit our clients and the community.

## Social & Well-Being

Provide valuable contributions and support to our local community and the communities in which we work while also supporting our employees in both their professional development and well-being.

**A couple important notes:** This is an interactive document. You can scroll over charts and click on buttons to see more detail and click on icons for navigation. This document is a summary of 2017 progress. For our full sustainability management plan, visit [BrendleGroup.com](http://BrendleGroup.com).



# Climate & Resilience

MTCO<sub>2</sub>e  
(Per Employee)

## Greenhouse Gas Emissions

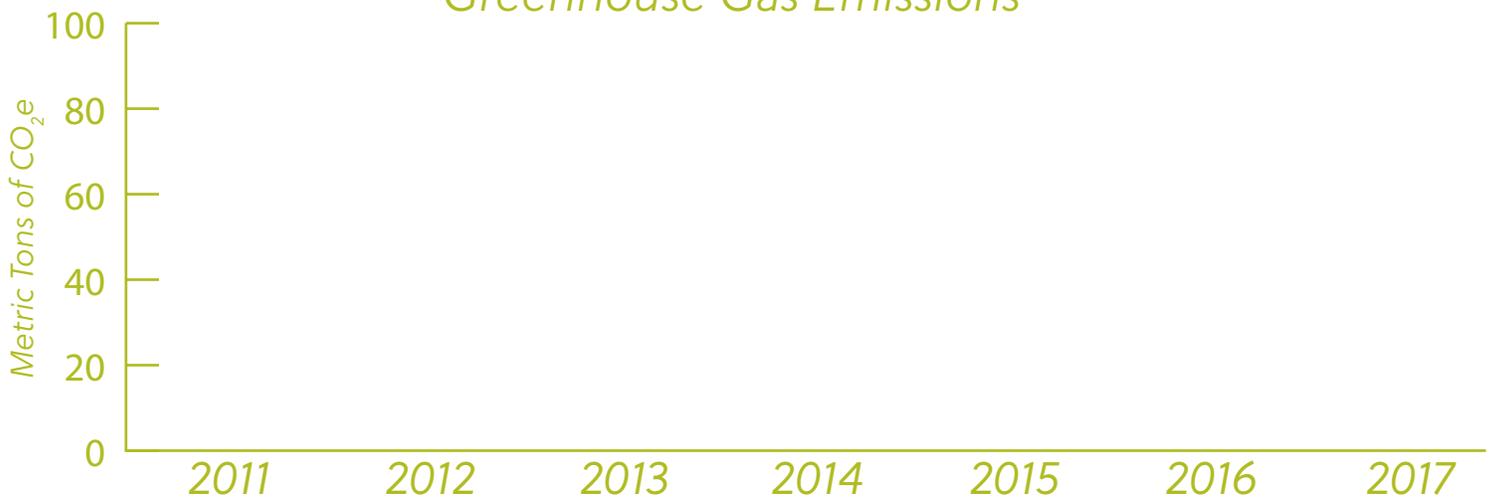
Brendle Group's greenhouse gases come predominantly from our headquarters' building energy use and transportation emissions. Building energy use and related emissions increased slightly due to increased electricity consumption; however, this increased electricity use was tempered by a decrease in the electricity emissions factor from the City of Fort Collins.

In 2017, we saw a reduction in commuter travel miles which subsequently decreased emissions related to that activity.

## Journey toward a Resiliency Management System

Our updated strategic plan puts new focus on resilient and regenerative systems. For our operations, this means that not only will we continue to explore ways to reduce our impacts, but we will also explore ways to make our organization more resilient to future climate-related shocks and stressors. On this journey we will identify local climate risks, explore affected organizational systems, assess our vulnerabilities, identify priorities, and determine how to integrate these resiliency strategies into our Sustainability Management System.

## Greenhouse Gas Emissions



\*Note, water and waste are not significant contributors to Brendle Group's GHG Emissions

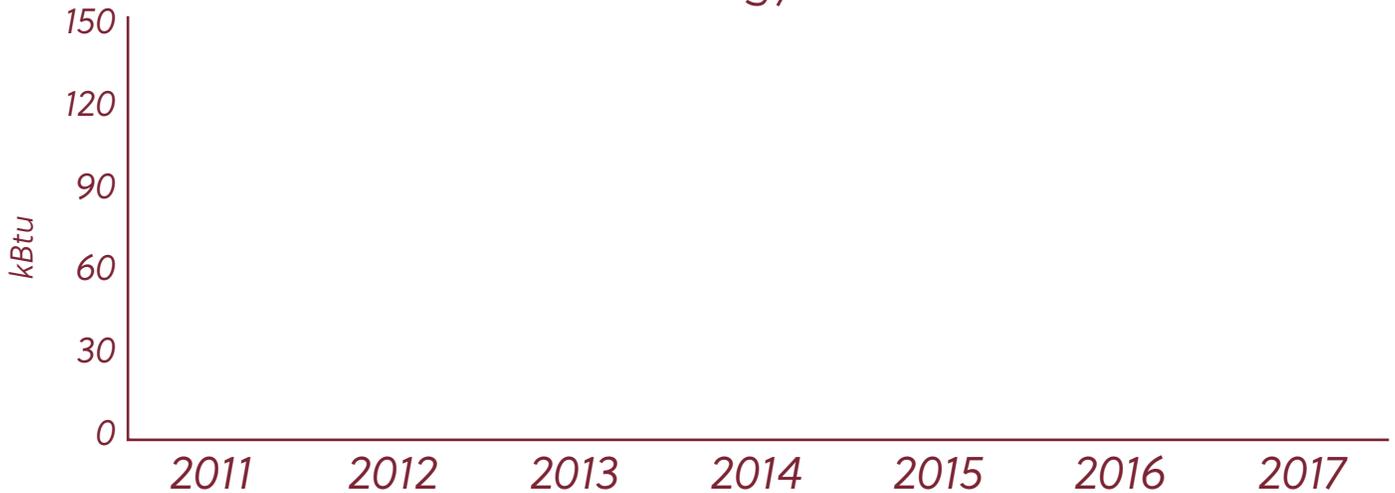


# Energy

Brendle Group's overall energy use decreased slightly in 2017 compared to 2016 and is 18 percent below our 2011 baseline.

In 2017, Brendle Group began speaking with local solar installers to determine the best path forward for improving our solar array. Unfortunately, the existing modules cannot be repaired and we will need to consider replacing the entire array. In 2017, we installed new energy sub-metering hardware to continuously monitor and share energy use and PV generation, including a breakdown of specific end uses such as lighting, HVAC, and our electric vehicle charging stations.

## Energy Use



## Energy Use Intensity





# Water

In 2017, we continued to struggle with increasing outdoor water use despite weekly water use monitoring through the utility's online portal.

The increase in water use in 2017 stemmed from a dripping exterior water spigot that went unnoticed for several weeks. To remedy this situation, we have improved communications with our irrigation contractor for improved water use monitoring. We will continue this close monitoring in 2018 and hope to return to 2015 levels.

Indoor water use decreased slightly in 2017 due to employee behavior changes. In 2018, we plan to continue improving by replacing the toilet in our basement restroom with a low-flow model.

## Water Use



## 2017 Water Use Breakdown

## Water Quality Footprint (Lbs. of Phosphorus/Year)

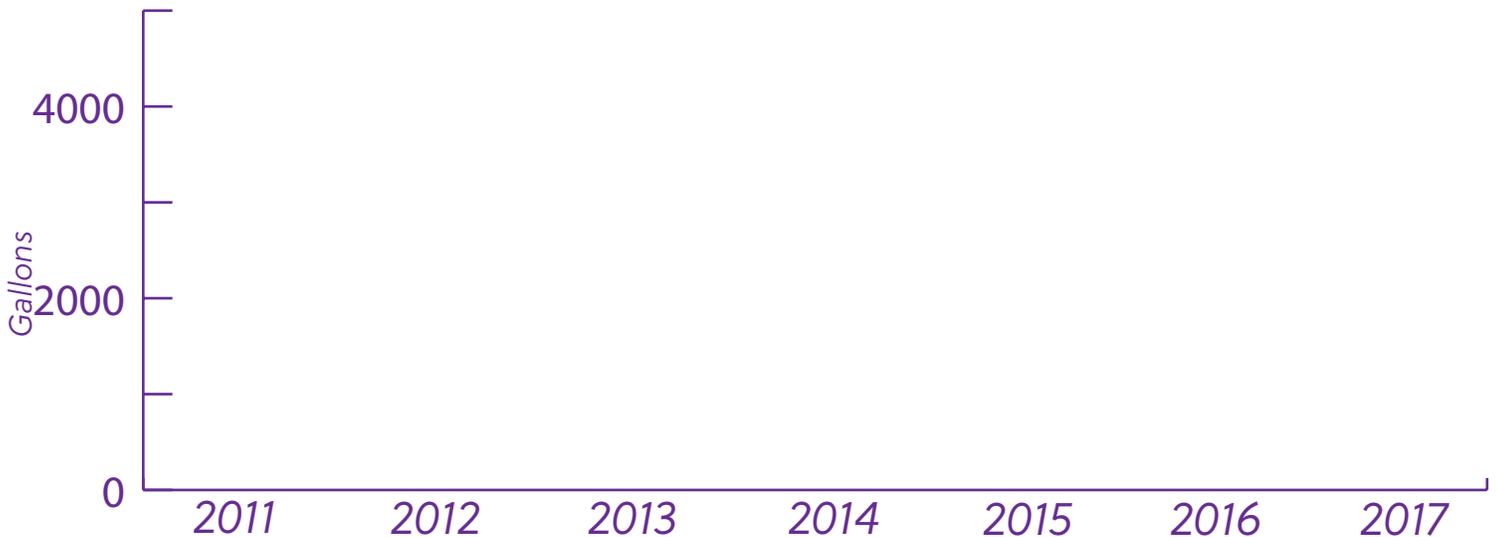


# Transportation

In 2017, we saw record lows in commuting emissions as employees reduced overall trips and chose more efficient travel modes, including public transit. Bustang's launch provided a new way to easily use public transportation to travel from Fort Collins to Denver, while an internal transportation competition continued to raise team awareness of sustainable travel options. Providing additional incentives and information about alternative transit options in 2018 should help the overall emission trend continue downward.

*MCO2e  
(Per FTE Mile)*

*Fuel Consumed*





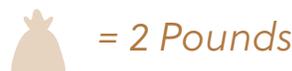
# Waste & Materials

This was a busy year for our waste reduction and materials efforts! We continued weighing and documenting our generated landfilled, composted, and recycled waste to track achievement toward our zero waste goal. Partnering with our local Fort Collins waste hauler, Gallegos Sanitation, we held a lunch 'n' learn about curbside, single-stream recycling. As a friendly competition, we held a week long e-waste event, partnering with Blue Star Recyclers, disposing of over 618 pounds of electronic waste. Not to mention, we repurposed 750 pounds of wood decking from our headquarters office for home projects. Finally, we conducted a Waste Self-Assessment, with an 80% participation rate, to characterize our waste habits and identify opportunities to improve our education and awareness efforts.

*Waste Footprint (Diversion Rate)*



*Landfilled Waste per Employee*



# Social & Well-Being

Brendle Group embodies the social aspects of sustainability in the services we offer our clients, the way we operate as a business, and how we engage as members of our communities. Our purpose is to use our talents to create lasting impacts that sustain and inspire the communities in which we live and work, as well as in the larger world. Our objective is to **embody this purpose in how we do our work, how we live in our communities, and how we support one another.**

In 2017, our staff members **served on local boards**, including:

- American Planning Association (APA) Colorado Sustainability Committee
- Colorado Clean Energy Education & Empowerment (C3E)
- Colorado WaterWise
- Colorado State University's Energy Institute External Advisory Board
- City of Fort Collins Art in Public Places
- Executive Advisory Board for Colorado State University's Greenhouse Gas Management and Accounting (MGMA) Program
- Xcel Energy Data Center Advisory Board

In addition, our staff volunteered to **speak to students and industry professionals** in our region and continued to **mentor those interested in sustainability**. This mentoring also involved offering **internship opportunities** to college students. We also hosted a **blood donation drive** with UC Health of northern Colorado.

To foster staff well-being, we purchased and deployed several more **standing desks**, for those who wanted them. We also hosted a **speaker on stretching and posture for desk work**. We continue to encourage **walking meetings** whenever possible and allow employees to bring their **dogs to work**.

As we look ahead to 2018 and 2019, our team will **identify opportunities beyond our walls to support our communities**, including continuing to host blood donation drives and to provide grants and in-kind donations of staff time. We will also continue to support our staff through access to health care, flexible work hours and teleworking options, encouragement in personal and professional development, and a professional environment that values wellness and a healthy work-life balance.

