

# 2021 Climate Action Report

## for YAMA Mountain Gear LLC

### Overview

In 2021, YAMA Mountain Gear's estimated emissions for Scope 1, 2, & 3 totaled 52.4 metric tons Carbon Dioxide Equivalent ( CO<sub>2</sub>-e).

We purchased Green-e Energy Certified Renewable Energy Certificates (RECs) to ensure that our electricity use comes from renewable resources.

We purchased Verified Carbon Offsets to balance the greenhouse gas emissions associated with our Scopes 1, 2, and 3.

### Emissions

- **Scope 1 (stationary combustion: natural gas)**
  - 476 therms used
    - +89 therms compared to 2020
  - CO<sub>2</sub> emissions: 2525.7 kg
  - CH<sub>4</sub> emissions: 47.8 g
  - N<sub>2</sub>O emissions: 4.6 g
  - *TOTAL CO<sub>2</sub>e: 2.5 metric tons*
- **Scope 2 (purchased energy; location based)**
  - 3.3 MWh purchased
    - +0.5 MWh compared to 2020
  - CO<sub>2</sub> emissions: 2360.9 lb
  - CH<sub>4</sub> emissions: 0.4 lb
  - N<sub>2</sub>O emissions: 0.0 lb
  - *TOTAL CO<sub>2</sub>e: 1.1 metric tons*
- **Scope 3**
  - **Category 1: Purchased Goods & Services**
    - 39,352.34 kg CO<sub>2</sub>e
  - **Category 2: Capital Goods**
    - 1,834.66 kg CO<sub>2</sub>e
  - **Category 3: Fuel & Energy-Related Activities, Not Included in Scope 1 or Scope 2**
    - 824.50 kg CO<sub>2</sub>e
  - **Category 4: Upstream Transport**
    - 2,563.54 kg CO<sub>2</sub>e
  - **Category 5: Waste Generated in Operations**
    - 218.09 kg CO<sub>2</sub>e
  - **Category 6: Business Travel**
    - 0 kg CO<sub>2</sub>e
  - **Category 7: Employee Commuting**

- CO2 emissions: 1995 kg
- CH4 emissions: 52.7 kg
- N2O emissions: 46.8 kg
- TOTAL CO2e: 2.0 metric tonnes
- **Category 8: Upstream Leased Assets**
  - 0 kg CO2e
- **Category 9: Downstream Transport**
  - 2,006.66 kg CO2e
- **Category 10: Processing of Sold Products**
  - 0 kg CO2e
- **Category 11: Use of Sold Products**
  - 0 kg CO2e
- **Category 12: EOL of Sold Products (Intermediate product, if relevant)**
  - 81.37 kg CO2e
- **Category 13: Downstream Leased Assets**
  - 0 kg CO2e
- **Category 14: Franchises**
  - 0 kg CO2e
- **Category 15: Investments**
  - 0 kg CO2e
- **TOTAL Scope 3**
  - 48.8 metric tons CO2e

### **Estimation Process**

- The [EPA's Simplified Greenhouse Gas Emissions Calculator](#) was used to estimate our emissions from Scope 1, Scope 2, and Category 7 of Scope 3.
- Financial data was used to estimate the remainder of our Scope 3. We used the [Scope 3 Evaluator from Greenhouse Gas Protocol and Quantis](#) to make the estimates.
- Categories 10, 11, & 12 of Scope 3 were not considered.

### **Physical Waste**

- In 2021 we disposed of 69.9 kg (154.2 lb) of landfill waste.

### **Reductions**

- **RECs: 4 RECs purchased**
  - Green-e Energy Certified
  - One REC represents the non-power environmental attributes of 1,000 kilowatt-hours
  - Supports the Breckinridge Wind Farm, Oklahoma
  - Represents 121% of our electricity usage in 2021
- **Verified Carbon Offsets: 53 Offsets purchased**
  - One Carbon Offset represents 1 metric ton of Carbon Dioxide Equivalent (CO<sub>2</sub>-e) kept out of the atmosphere.
  - Supports the Refrigerant Management Ozone Depleting Substance Destruction Project, Canada
  - Represents 101% of our estimated carbon emissions

## **Progress**

- In 2021, we made progress towards measuring our Scope 3 emissions.
  - We made a rough estimate based on financial data.
  - We began implementing a system to better track material usage for the purpose of better measuring our emissions.
- We offset over 100% of our estimated CO2-e emissions.

## **Goals**

- To refine our emissions estimates/measurements in our largest impact areas, specifically within Purchased Goods and Services.
- Measure/estimate the carbon footprint for our primary products.
- Set a science-based target to reduce our greenhouse gas emissions (GHG) in line with the Science Based Targets initiative (SBTi).