

OVERVIEW

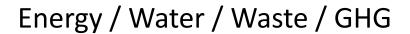






Defining Sustainability







Advocacy



Ken Grossman

















SNAPSHOT

- 3rd largest craft brewery
- 10th largest brewery overall
- Independent/family-owned
- ~1000 employees
- Pioneer/mentor in craft
- Leader in craft beer sustainability



DEFINING "SUSTAINABILITY"

Meet the needs of the present without compromising the ability of future generations to meet their own

Environmental Resiliency

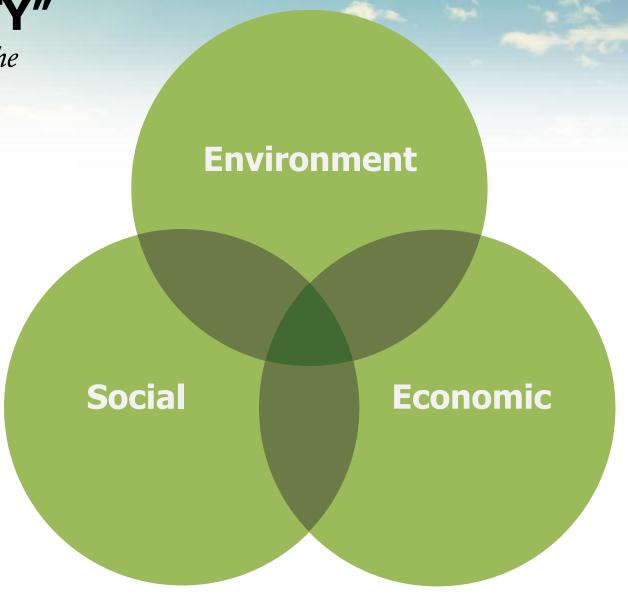
- GHG Reduction
- Closed Loop Philosophy
- Zero Waste

Social Equity

- Employee wellness, safety, equity & inclusion
- Community engagement & philanthropy
- Advocacy

Economic Stability

• Operating costs are met with the ability to reinvest, give back, & plan for the future



Driven by values, continuous improvement, and a commitment to do the right thing.

SIERRA NEVADA SUSTAINABILITY INITIATIVES AIM TO BE:

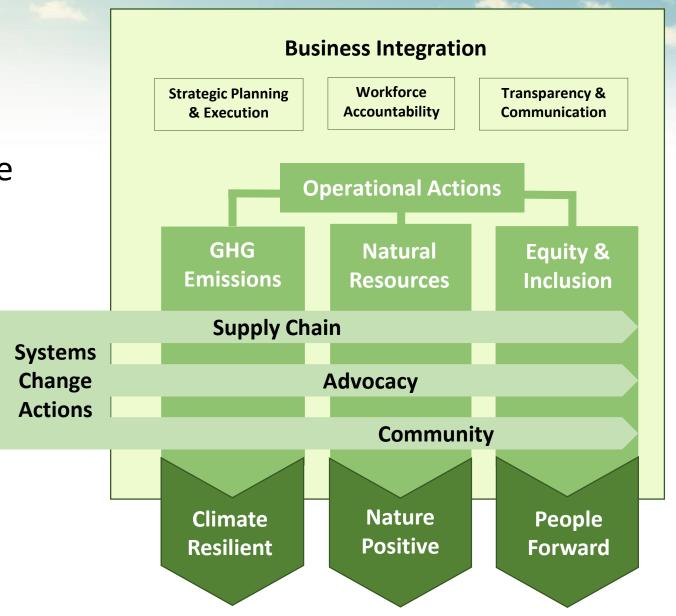


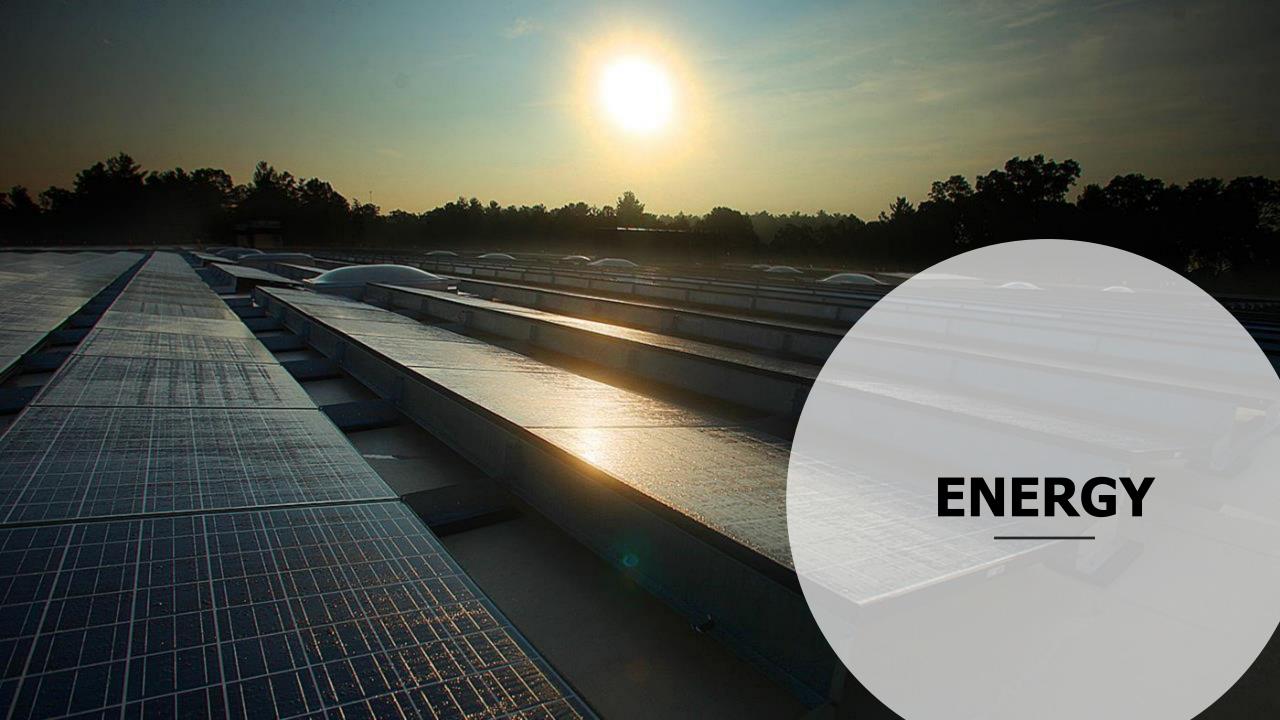




OUR APPROACH:

How does Sustainability come to life and what does it look like at Sierra Nevada?









SOLAR







MICROTURBINES



99.6% DIVERSION

• <u>First</u> TRUE Platinum Zero Waste business

THE ZERO WASTE HIERARCHY 7.0



© Zero Waste International Alliance zwia.org/zwh











RECYCLING COOPERATIVE

Sierra Nevada led the effort to establish a recycling drop-off location for craft breweries in Western North Carolina.

- Craft breweries and other businesses within 60 mile radius
- Many brewery waste streams are not-recyclable in traditional recycling programs unless separated and collected in bulk
- Combines waste streams of several small businesses to generate volume and clean material streams
- Allows breweries to divert waste that otherwise would be landfilled

















HOTROT COMPOSTING







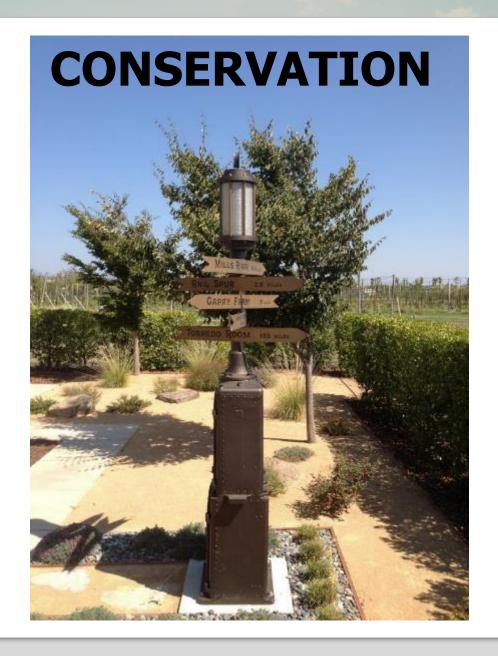


HOW MANY BARRELS OF WATER DOES IT TAKE TO MAKE 1 BARREL OF BEER?

4.5 - 5 barrels!



SIERRA NEVADA BREWING CO.







ONSITE WASTEWATER TREATMENT







BIOGAS RECOVERY













Brewhouse

Wastewater

Biogas Recovery

Boilers/Microturbines

CO₂ RECOVERY

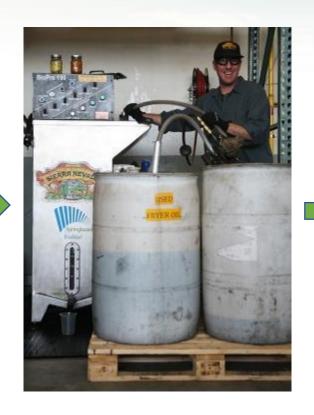






BIODIESEL





























- No expanded polystyrene (aka Styrofoam)
- Proper recycling practices are followed
- Real silverware only and to-go utensils available only upon request
- No plastic bags
- Paper straws available only upon request
- No beverages in plastic bottles
- Implement water and energy conservation practices
- Vegetarian and/or vegan options available
- Seafood is "Best Choice" or "Good Alternative"



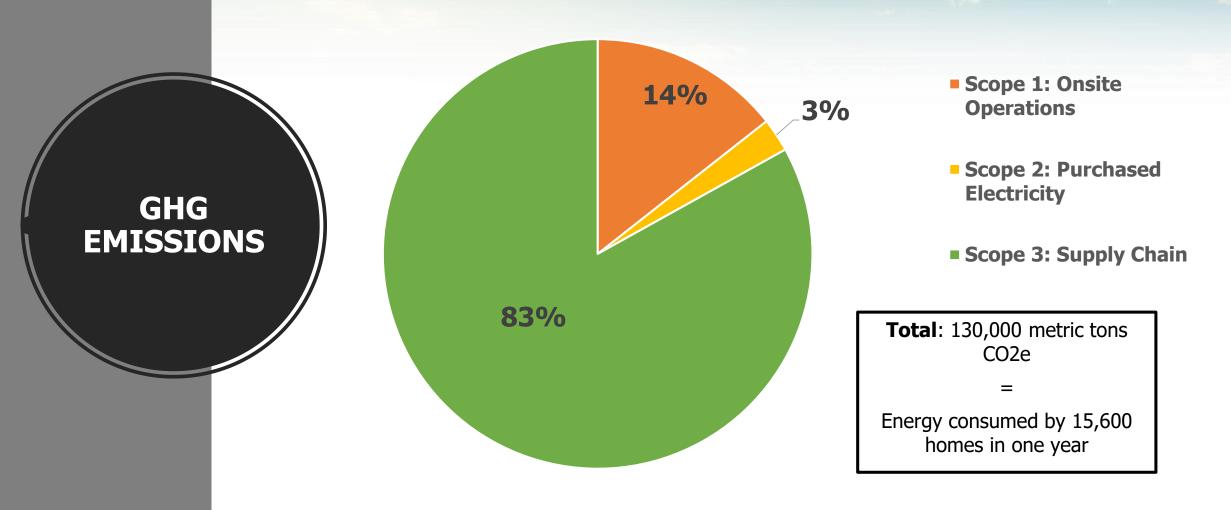








Sierra Nevada's GHG Footprint



Scope 3 comprised mostly of malt, packaging materials, transportation & refrigeration













ADVOCACY

The things we believe in and actively get others to do

PRIORITY AREAS







- Industry sustainability
- Climate Change / Renewable Energy
 / Decarbonization
- Clean & Resilient Water Supply
- Protection of Public Lands / Land & Water conservation
- Zero Waste / Circular Economy
- Equitable Access to Outdoor Recreation
- Biodiversity / Ecosystem Health
- Soil Health, Regenerative Agriculture



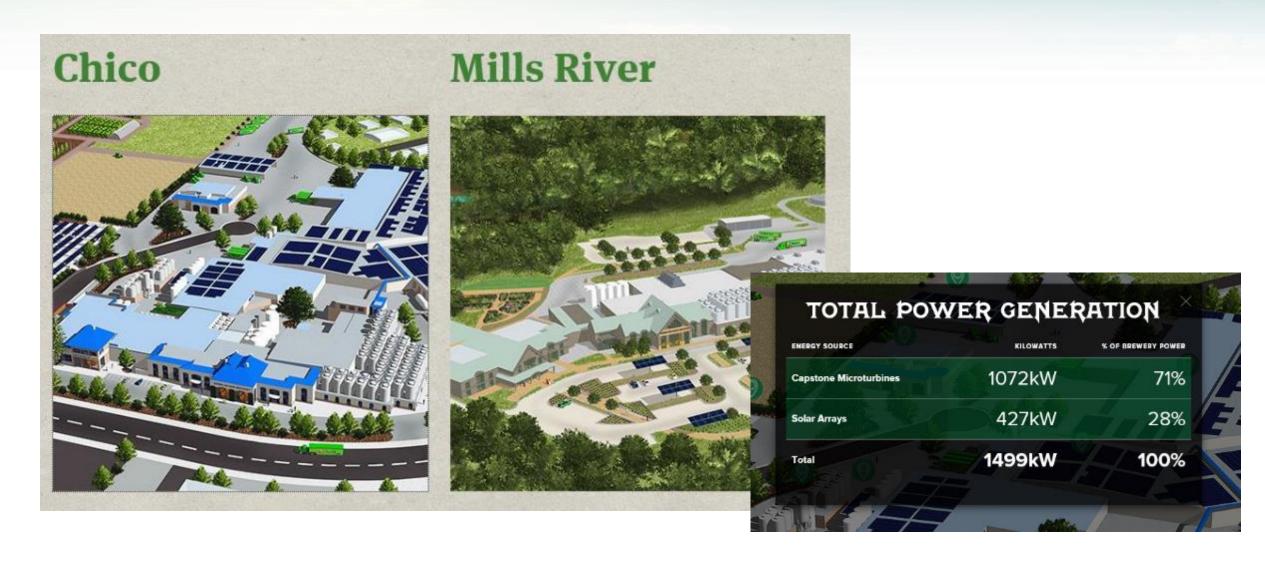




2021 PRIORITIES

- Establish GHG reduction targets and goals
- Formalize corporate & social responsibility strategy for 2030
- Engage supply chain as partners

INTERACTIVE MAPS!





THANK YOU!