



Goose Island Beer Company
Sustainability Initiatives

Goose Island Green Practices

Brewery Water Efficiency Projects



- Water efficiency projects brewery-wide include:
 - Bottling line rinse water recovery and re-use
 - Improved and automated cleaning/sanitation procedures
 - Cooling water recovery and re-use
 - Using steam in place of water for bourbon and wine barrel cleaning
- Resulting water savings per year of approximately 1.5 Million Gallons



Goose Island Green Practices

Brewery Energy Efficiency Projects - Lighting



- We have implemented lighting upgrades brewery-wide to include:
 - Removing all T12 lamps and replacing with energy efficient T8 or T5 lamps
 - Incorporating more LED lighting
 - Adding skylights to enhance natural lighting
 - Using motion sensors throughout the brewery to turn off lights when no personnel present



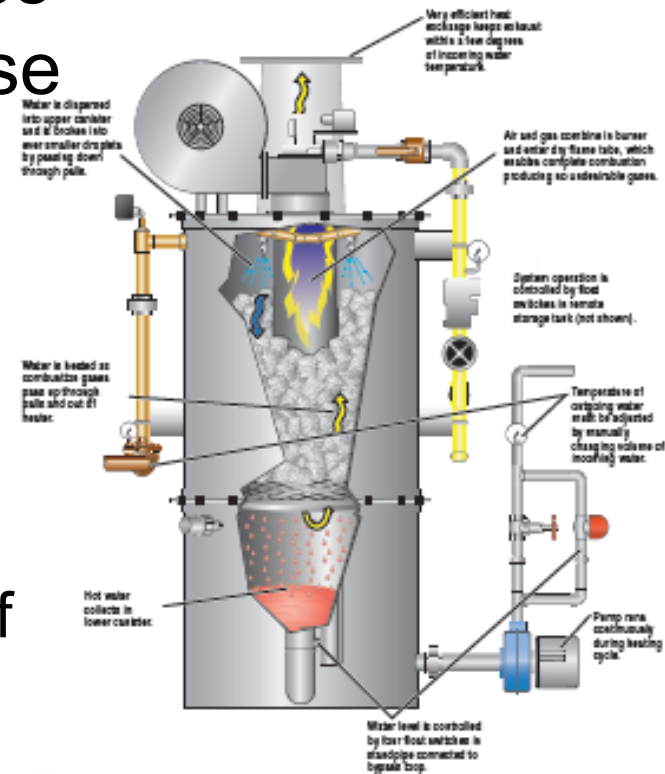
Goose Island Green Practices

Brewery Energy Efficiency Projects – Natural Gas



- Our brewery requires a lot of hot water to keep running. To reduce the amount of natural gas we use to make that hot water, we installed two high efficiency, on demand hot water heaters with the following features:

- 98% efficient
- Produces 50 gallons per minute of 180 degree water at the flip of a switch



Goose Island Green Practices

Byproduct Synergies – Spent Brewers Grain



- Spent Grain – 9 million pounds of this “waste product” per year is generated at our brewery and 100% is diverted from the landfill
 - Sent to a local farmer in NW Indiana to feed his dairy COWS

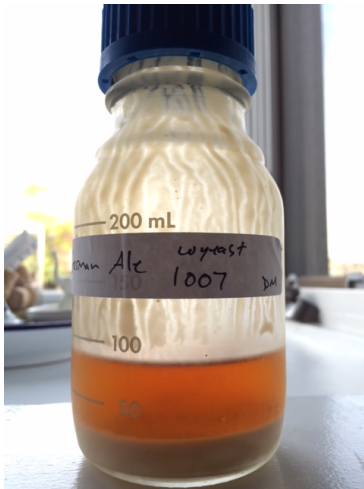


Goose Island Green Practices

Byproduct Synergies – Spent Yeast



- Spent Yeast – excess yeast generated from fermentation used to be sent down the drain:
 - Now we collect the spent yeast slurry and tanker it to an ethanol distillation facility in Indiana
 - The ethanol they extract from our spent yeast gets blended with gasoline to make E-85, and helps reduce the strength of wastewater sent down the drain
 - Project results: **230,000 gallons of spent yeast reused so far**



Goose Island Green Practices

Solid Waste Improvements



- After our Green Team conducted a solid waste audit (aka dove into our dumpsters) to better understand our “trash”, we used the information to:
 - Start a brewery-wide composting program (3 bin system)
 - Expand recycling programs to maximize landfill diversion
 - **Diverted over 20,000 lbs of compostables from landfill**
 - **Currently at 99% landfill diversion rate for solid waste!**



Goose Island Green Practices

Green Geese In The Community



- Our active and engaged Goose Island Green Team is always looking for opportunities to expand our green practices beyond the brewery, including:
 - The annual “Green Steps Challenge” encouraging employees to reduce their commuting carbon footprint
 - Neighborhood and Lake Michigan beach cleanups
 - Volunteering for and donating to local green causes



Goose Island Green Practices

Other Green Goose Initiatives - Bicycling



- Goose Island fosters a vibrant cycling culture for both employees and our community through:
 - Hosting regular bike tune up, seminars, and group rides
 - Attaining a Silver Designation award as a Bicycle Friendly Business through the League of American Bicyclists
 - Annual Chicago Bike to Work Week sponsorship
 - Subsidizing employee Divvy bike share memberships
 - Sponsoring a local cycling team – The Spidermonkeys



Goose Island Green Practices

The Green Line Pale Ale



- Green Line Pale Ale is a very special Goose Island beer, with a very special mission. This beer acts as our megaphone for telling stories of sustainability, as it is:
 - Draught only – eliminates packaging waste associated with bottles, labels, caps, cans, 6-pack holders, etc as kegs are reusable and returnable
 - Chicagoland only – minimizes the carbon footprint associated with shipping and refrigerating over long distances by keeping this beer close to where it is brewed



Goose Island Green Practices

The Green Line Project



- Adding further to the sustainability story of Green Line Pale Ale, we created the Green Line Project. For every keg of GL Pale Ale we sell, we make a donation to the Trust for Public Land's amazing new project in Chicago called The 606. We are so proud to support this incredible rail-to-trail project in the heart of our community!



THE
TRUST
for
PUBLIC
LAND



<http://the606.org/>

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Sustainability Initiatives



Thank you for the opportunity to share some of the Goose Island sustainability story with you. We hope this overview provides some insight as to our efforts towards a more sustainable operation. Thanks again and feel free to reach out with any additional questions.

Cheers,

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Green
GOOSE