Breweries & Brew Pub Application

About the NC GreenTravel Initiative

This program has been created to recognize those businesses in the travel industry in North Carolina that have established and adhere to a set of guidelines that protect the environment. The initiative has been developed through a partnership of the North Carolina Division of Environmental Assistance and Customer Service; East Carolina University; Visit North Carolina and the Waste Reduction Partners program.

Applying for NC GreenTravel Recognition

To have your business recognized as a sustainable brewery, **first save this document on your computer** so you can fill it in at your leisure. You may type directly into the saved document and click on the check boxes to complete it. Please **save your completed application** and email it to **ncgreentravel@ncdenr.gov**. If you have questions, you may call us at **(877) 623-6748** for assistance.

Brewery Name _____

Phone Number _____

Street Address _____

City _____   Zip _____

Mailing Address _____

Contact Person _____

Email _____

Website URL _____

Overview of Accomplishments

Tell us why you feel your brewery should be recognized by the NC GreenTravel Initiative

Core Requirements for NC GreenTravel Recognition

- I certify that this Brewery is in compliance with ALL applicable regulatory laws and requirements that relate to our business type.   Yes   No.   If not, please explain on a separate sheet.

- Has your business had any violations of applicable laws and regulations in the past 2 years?
        Yes   No.   If so, please explain on a separate sheet.

- Do you operate under any permits issued by the Department of Environmental Quality?
        Yes   No.   If yes, please include titles and permit numbers on a separate sheet.

Policy Statement <u>Required</u>: Enter or attach a copy of your facility's environmental policy statement. **If your brewery does not have an environmental policy, please read our Environmental Policy Tutorial on the last page of this form**.

How do you advise staff of your environmental policy? <u>Required</u>: List where your environmental policy is displayed.

Environmental Team <u>Required</u>: Describe your environmental team**.** List names, job titles and meeting schedule.

Raising Your Recognition Score

If your brewery has previously been recognized by the NC GreenTravel Initiative and you would like to increase your recognition level based on additional sustainable practices you have included in your program, please indicate by checking this box.

Waste reduction and recycling

Source Reduction Methods Implemented

1 pt   Fax and copy machines don't create cover sheets.

1 pt   Two-sided copying and printing is standard operating procedure.

2 pt   Electronic documents are used instead of printing.

1 pt   Clean, once-used paper is reused for memos and drafts.

5 pt   A solid waste assessment has been performed.

5 pt   50% of solid waste assessor recommendations have been implemented.

15 pt   We have a Zero Waste To Landfill Program in effect.

List of materials recycled, donated or refurbished for reuse

5 pt   We compost spent grain, hops, yeast and other spent commodities.

5 pt   We sell or donate spent grain for animal consumption.

2 pt   Paper. (Includes newspaper, office paper, cardboard, magazines, etc.)

5 pt   All food and beverage containers. (steel, aluminum, plastic, glass, etc.)

1 pt   Toner, ink, and other printer cartridges.

2 pt   Pallets.

2 pt   Plastic packaging. (film, stretch wrap, shrink wrap, plastic bags, etc.)

5 pt   Goods, equipment and materials no longer needed are donated to organizations that can reuse them. (Habitat for Humanity, Good Will, Salvation Army, etc.)

Please list other materials recycled donated or refurbished

List locations of recycling containers available to staff and guests

2 pt   Staff work areas—please describe. (in brew house, offices, kitchens, dock areas, etc.)

3 pt   In public or customer areas—please describe. (in common areas or meeting spaces, in guest rooms, in dining areas, etc.)

3 pt   Signs are posted directing users toward recycling areas.

2 pt   More than half of the recycling containers onsite are clearly marked and located adjacent to waste containers.

4 pt   *All* recycling containers are located adjacent to waste containers.

1 pt   Our brewery has reduced the number of trash containers onsite.

1 pt   Our brewery has repurposed some of our trash containers as recycling containers.

Energy Management

5 pt   An Energy Assessment has been performed.

5 pt   50% of assessor recommendations have been implemented

5 pt   Our brewery has switched to energy-efficient lighting (describe replacement program in place)

10 pt   Our brewery has a functional Energy Management System such as ISO 50001 (explain)

2 pt   Our brewery implemented de-lamping/de-commissioning of lights based on light level measurements and aesthetic needs.

2 pt   Occupancy sensors have been installed.

2 pt   LED or electroluminescent exit signs have been installed.

3 pt   Daylight sensors have been installed or brewery is using day-lighting.

2 pt   Automatic, low-energy hand dryers or recycled-content paper towels have been installed in public restrooms.

10 pt   Solar panels, wind generators, hydrogen fuel cells, biogas and/or other renewable energy sources have been installed to generate electricity.

5 pt   Our brewery is selling excess green power to power company.

___pt   We purchase Carbon Offset Blocks or Renewable Energy Certificates. (specify how many blocks or R.E.C.s your facility purchases monthly for 2 points per block or R.E.C.) _____ Blocks _____ R.E.C.s

5 pt   Energy Star labeled HVAC has been installed.

7 pt   Innovative, high efficiency HVAC has been installed. (ground source heat pump, solar, etc.)

2 pt   Programmable HVAC controls have been installed.

7 pt   Solar panels have been installed for water heating.

1 pt   Insulation jacket has been installed on water heaters.

4 pt   Heat pump water heater has been installed.

3 pt   Our facility is using on-demand water heating.

1 pt   Water temperature is set back to 120 degrees for non-food related use.

5 pt   Our brewery recovers heat from various processes (brew kettles, wort cooling, boiler economizers) and use it to pre-heat for our hot water needs.

2 pt   Window film and treatments have been installed to reduce solar gain.

5 pt   Energy Star labeled windows, doors and skylights have been installed . _____ (please specify)

2 pt   Green insulation has been properly installed. (green foam, hemp, cellulose, etc.)

(please specify) _____

2 pt   Tightly sealed weather stripping has been installed on all doors and windows.

3 pt   50% or more of our appliances are Energy Star labeled.

2 pt   Energy Star Labeled computers, monitors, printers, copiers and other business equipment are being used.

3 pt   We have a motor management/replacement plan to use high-efficiency motors and/or we are maintaining a motor inventory.

3 pt   We use Variable Frequency Drives on our pumps and motors.

1 pt   Vending machines have been de-lamped or lighting minimized.

2 pt   Vending machines have been equipped with energy-saving technology .

Water Efficiency

5 pt   A water efficiency assessment has been performed.

5 pt   50% of assessor's recommendations have been implemented.

1 pt   All plumbing is regularly checked for leaks and all leaks are repaired asap.

3 pt   Common area restrooms have automatic water shut-off faucets.

4 pt   1.28 gallon-per-flush High Efficiency Toilets (HET) or dual flush toilets are installed.

1 pt   1.5 gallon-per-minute faucet aerators are installed.

4 pt   Restrooms have ultra low-flow flush (0.125 gpf) or waterless urinals.

5 pt   Our brewery takes part in or organizes river/stream cleanup projects.

5 pt   Rainwater is harvested and used for non-potable applications.

5 pt   Our brewery partners with water conservation groups to help promote water conservation and stewardship. (specify partnerships)

Air Quality

2 pt   Low VOC paints are used.

2 pt   Smoking is not permitted in buildings.

Transportation

1 pt   Employees are offered incentives to carpool, walk, bike to work or use public transit.

2 pt   Bike racks are provided for guests and employees.

3 pt   Special parking is provided for guests with hybrid, electric and alternative fuel vehicles.

5 pt   Electric vehicle charging station(s) are provided for guests and employees.

5 pt   Alternative fuel fleet vehicles are used, including bio-fuel, hybrid, electric vehicles, pedal-powered, natural gas or propane.

2 pt   A no idling policy/signage is in place for fleet vehicles, guest vehicles, delivery trucks and tour busses

Environmental Measurements

1 pt   Solid waste disposal-to-landfill is tracked by weight or volume monthly. (Use spreadsheet for waste bills)

1 pt   Recycling totals are estimated by weight or volume and recorded periodically. (Use spreadsheet for totals)

1 pt   Energy usage is tracked monthly. (Use spreadsheet for your power bills)

1 pt   Water consumption is tracked monthly. (Use spreadsheet for your water bills)

1 pt   Environmental measurements are published to management and staff.

2 pt   Environmental measurements are published in public media.

Grounds Keeping

2 pt   Our facility practices planting native plants that require little maintenance. (Describe)

2 pt   Our facility practices planting drought tolerant plants to reduce the need to water. (Describe)

2 pt   An irrigation conservation plan is in place. (soaker hoses, timed irrigation, etc.) (Describe)

2 pt   Mulch and/or compost are used for retaining water.

2 pt   Our brewery minimizes the use of synthetic pesticides and herbicides in landscaping.

2 pt   Our brewery uses mulch or compost *generated onsite* as a soil amendment to improve soils and plant growth or ground cover for retaining water.

5 pt   Our brewery has a vegetation planting program for strategic environmental enhancement.

5 pt   Walkways and outside parking areas at our facility are pervious.

Education and Promotion

2 pt   Our staff is required to recycle and has received recycling training

2 pt   Our visitors are encouraged to conserve resources through the use of flyers, signs, decals, magnetic signs, verbal reminders and other communications.

1 pt   Our community is made aware of our environmental program through our

advertisements and/or public media releases.

Housekeeping and Clean-up

2 pt   Our brewery housekeeping and clean-up procedures include recycling practices.

1 pt   We purchase cleaning products in bulk containers or concentrated to reduce waste.

2 pt   Cleaning products and methods are assessed and selected for their environmentally friendly impact.

1 pt   Cleaning products used throughout the facility are natural cleaners and/or meet or exceed sustainable product standards. (Describe)

2 pt   Employees are given training in the use of green cleaners.

1 pt   A cleaning products waste reduction plan has been implemented.

1 pt   Vendors give feedback on environmental impact from using their environmentally sustainable products. Results are made available to staff and public.

Green Purchasing

3 pt   Environmentally Preferable Procurement (EPP) Program has been established and is communicated to staff.

2 pt   Our employees are required to comply with EPP policy.

1 pt   Vendors of environmentally sustainable products are given preference.

2 pt   Durability and lifespan of the products is given priority over cost when purchasing.

2 pt   Recycled content paper products are purchased.

2 pt   The number of items such as printers, staplers, paper cutters and other multi-user equipment is minimized.

3 pt   Vendors are asked to deliver supplies with returnable packaging or to take back packaging for recycling or reuse.

3 pt   Environmentally preferable furnishings and equipment are used. (Reused, remanufactured or made from sustainable materials. (Describe)

5 pt   Hops, barley and other ingredients are sourced from local, sustainable farms.

5 pt   Organic hops, barley and other ingredients are used.

LEED Certification

LEED is the acronym for Leadership in Energy and Environmental Design. LEED Certification can save energy and reduces operating costs. Visit www.usgbc.org/LEED to learn more about LEED Certification.

10 pt   Our brewery has attained LEED Certification.

5 pt   Our brewery has applied for LEED Certification.

10 pt   All new building projects are planned and executed using LEED standards.

10 pt   Our brewery has a fully functional Environmental Management System. (ISO 14001) (explain)

Certification by Organizations & Agencies

15 pt   Has your brewery received recognition or certification as a green or sustainable business by another recognized certifying organization or agency? (Please identify organization or agency)

10 pt   Our brewery is a member of the Environmental Stewardship Initiative.

Additional Practices

Please describe additional sustainable practices your brewery has implemented. (you may submit additional pages.)

Tallying your score

List the total number of points for each section and total your score in the box at the end of the section. Our review team may add additional points for other sustainability practices.

SECTION	SCORE
Waste Reduction & Recycling	
Energy Management	
Water Efficiency	
Air Quality	
Transportation	
Environmental Measurements	
Grounds Keeping	
Education and Promotion	
Housekeeping and Clean-up	
Green Purchasing	
LEED Certification	
Certification By Other Agencies	
Additional Points Awarded by Reviewer	
TOTAL	

Determining your recognition level

Your recognition level—One dogwood Blossom, Two Dogwood Blossoms or Three Dogwood Blossoms—will be determined by the point system found below. Additional points may be acquired by facilities that implement other sustainable practices that are not a part of those prescribed in this application.

One Dogwood Blossom	Two Dogwood Blossoms	Three Dogwood Blossoms
50	100	120

Four Simple Rules for Creating an Environmental Policy

There are four basic rules for writing and displaying an environmental policy for your business. The policy should include:

- A commitment to protecting the environment. This may be a simple statement that your business promises to do all it can to keep the environment healthy or it may specifically mention environmental steward ship methods. For instance, it could simply state, "(Name of Business) is committed to protecting our environment by conducting business in such a way as to conserve energy, water and natural resources." OR, it may state, "Name of Business) practices environmental stewardship by reducing waste, recycling, installing energy efficient lighting, and by installing low-flow water fixtures."

- A commitment to observing all laws and regulations governing the protection of the environment.

- A commitment to continually improve your environmental stewardship program.

- The completed policy should be signed and dated by the owner or manager of the business and should be displayed where employees and customers can easily see it.

Here is an example that may give you some ideas for your own policy:

Green Mountain Brewery Environmental Policy

Green Mountain Brewery seeks to be a better steward of the earth by creating a healthy environment for its guests, employees and community. We promise to do this by observing sustainable business principles and by implementing an energy reduction program, water conservation program, by helping to protect air quality and by reducing the amount of solid waste generated. Our facility is also committed to setting a good corporate example of environmental stewardship.

Green Mountain Brewery is committed to observing all Federal, state and local laws and ordinances aimed at protecting the environment.

Green Mountain Brewery will continually seek to reduce its environmental footprint by looking for new and better ways to reduce its reliance on natural resources.

If you need further assistance in writing your environmental policy, call us at **(877) 623-6748** or email, ncgreentravel@ncdenr.gov.

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