



Sustainable Spirits Member Checklist

APPLICANT NAME:

To be considered a Tennessee Sustainable Spirits facility, the operation must complete 25 of the check boxes from the following lists.

Checklist items are a combination of operational- and facility-specific practices or equipment, some items may not be applicable to your facility. In that case, please make a note so that your membership status is not affected.

TDEC has identified several low- to no-cost sustainability measures that facilities can implement to directly enhance and increase operational sustainability. Since these measures are low cost, with exception of potentially requiring recycling, TDEC has established these measures as prerequisites (*) for participation in the program.

Water

Reducing water consumption, protecting water resources, and reusing water can help lower costs, reduce ecological impact, and create a healthier workplace.

Low Flow Toilets

Groundwater Monitoring (annual testing of water quality, metering, and/or water levels)

Faucet Aerators/Sensors

Water Reuse (reusing final rinse water for initial rinse on fermenters, reusing heated chill water for preheated water, etc.)

Quarterly Leak Checks* (documented review of water systems for leaks on at least a quarterly basis)

Reduced Water Usage Ratio from previous year.

Cooling System Water Recycle (Heat Transfer)

Effluent Meets Water Quality Standards

Rainwater Capture (whether for storm water management or sustainable water sourcing)

Storm Water Management

- Pervious Pavement
- Detention Basin
- Spill Kit/Containment System

- Storm Water Management Plan
- Native Landscaping

Air

Both ambient and indoor air quality can have impacts on the environment and human health. By reducing air emissions within your facility, you are playing a role in improving air quality.

CO2 Reuse

Scrubbers

Combustion Alternative (different from traditional direct fire)

Radon Detection/Mitigation

Volatile Organic Compound (VOC) Reduction – furniture, paint, flooring, etc.

Alternatively Powered Equipment

- What kind?

Reduction in Transportation – Locally Sourcing

Waste

Sustainably managing materials through minimizing resource consumption, maximizing reuse, adopting diversion strategies and recycling can reduce impacts to land resources and environment.

Recycling* (any type of landfill diversion effort that has a beneficial use for the materials listed below)

- Glass
- Wood
- Plastic
- Cardboard/Paper
- Metal

Composting

Spent Grain/Pomace Use

Alternative Packaging Material

Management of Product Not Meeting Specifications

Packaging Take back

Packaging Reduction

Waste reduction, diversion, and/or recycling education

Energy

Similar to water conservation, reducing energy consumption and implementing alternative energy sources can reduce utility costs and improve air quality.

Alternative Energy

Electric Vehicle Charging

Completed Energy Audit

Energy Star Appliances

Efficient Lighting

Efficient HVAC (> 15 SEER)

Geothermal

Efficient Cooling

Occupancy Sensors/Signage* (sensors designed to shut off lighting when rooms are not in use or signage reminding the importance of turning off the lights)

Efficient Insulation

Sourcing

Sourcing local ingredients, packaging, materials, and equipment can reduce the amount of greenhouse gases emitted from transportation.

50% Locally Sourced Ingredients – other than water for at least one product

50% Locally Sourced Packaging Material (within 500 miles)

Community

Conducting community engagement through educational opportunities and/or clean ups to improve the local environment, allows an organization to have a positive social and environmental impact on their surroundings.

Outreach – by supporting sustainability in your community by attending and/or participating in events that support and provide education on sustainability topics.

Steam clean-ups / roadside or community litter pick up / or other beautification activity

Community Garden / composting / beehives

Give Back Programs - which give back to the community – either through financial support, volunteering, or other actions that support surrounding areas.

Charitable Contributions* (any donation of money, goods and services, or time to the community)

Venue Opportunities – providing a free space for community organizations to meet.

Maintenance

Regularly scheduled and performed maintenance extends operational life and capacity of equipment, therefore reducing emissions associated with operating these various pieces of equipment and reduces lifecycle environmental costs by decreasing the regularity with which these systems need to be replaced. Routine maintenance also helps in identifying fluid leaks from broken equipment sooner.

Material Handling – Forklift, Pallet Jack...

Green Cleaning – Non Production

Delivery Vehicles

HVAC

Steam System

Manufacturing/Packaging

Please use this additional space to describe any sustainability projects you are interested in implementing at your facility and would like more information on.