Maryland Green Registry MEMBER

The Maryland Green Registry promotes and recognizes sustainable practices at organizations of all types and sizes. Members agree to share at least five environmental practices and one measurable result while striving to continually improve their environmental performance.

Trinity Sterile, Inc.

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Manufacturer of medical kit packaging facilities
Member since October 2018

Management and Leadership

☑ **Environmental Team**

Trinity Sterile's Environmental Team consists of the Chief Operation Officer, Production Manager, and Maintenance Manager. With this year's enrollment in the Regional Manufacturing Institute of Maryland (RMI) Energy Program, the team formed to work with the program's energy management and engineering consultants to assess the company's energy practices and outcome, to identify opportunities and measures to significantly reduce energy use, to identify resources to implement recommendations for energy use reduction, and to ensure sustainability of new, energy efficient practices. The company is also looking at expansion of the team to address energy management culture changes instrumental to supporting sustainability and continued progress, including development of an energy policy and employee training.

☑ **Annual Environmental Goals**

Trinity Sterile's lighting and HVAC projects with RMI are projected to reduce energy consumption by 30 to 40 percent. The company has also set a goal to become involved in community street cleaning through road sponsorship and in forest conservation efforts.

Waste

☑ **Recycling**

Trinity Sterile has begun recycling all pallets for repair and reuse to ship tons of products to customers. The company has begun recycling all cardboard boxes. These new practices are projected reduce waste disposed by at least 30 percent.

☑ **Hazardous Waste/Toxic Use Reduction**

Risk management practices regarding one of the byproducts of Trinity Sterile's production processes has presented a commercial opportunity. The company pays a contractor to haul the byproduct to a repurposing center that turns the liquid into ethlyne (antifreeze). The company now strips out and sells the parts of the byproduct that are not allowed to be in antifreeze.

Energy

☑ **Energy Efficiency**

As much as 30 to 40 percent in savings will be realized through changes being made to the company's lighting equipment and lighting systems. This includes:

- *Replacement of inefficient 400W metal halide lighting in the company's warehouse building. This lighting cannot be used with occupancy sensors, so the lighting remains turned on throughout the warehouse during the day. LED light fixtures with fixture mounted occupancy sensors are being installed so that each light fixture stays off until automatically triggered by a person entering its zone.*

- *Upgrading from fluorescent lighting used throughout the facility to LEDs and deployment of wall and ceiling mounted occupancy sensors in most locations as well as replacement of inefficient metal halide lighting inside the plant.*

- *Converted T-12 fluorescents to T-8s and T-5s, repairing air compressor airleaks, and purchase of an air compressor operated by variable drive that comes on moderately as needed.*

- *Additional savings are projected through HVAC equipment upgrades and modified HVAC equipment use, including operation of a small air compressor during the off shift, installation of a new VFD air compressor, retro-commissioning for some HVAC systems, and replacement of aging systems.*

Transportation

☑ **Efficient Business Travel**

The company now actively utilizes skyping and online conferencing apps for meeting with customers, suppliers, and between employees located in two different company buildings.