

Earth Friendly Products

Sustainable Manufacturing Practices

For the purposes of Commerce's Sustainable Manufacturing Initiative, sustainable manufacturing is defined as the creation of manufactured products that use processes that minimize negative environmental impacts, conserve energy and natural resources, are safe for employees, communities, and consumers and are economically sound. Earth Friendly Products integrates practices that reduce the environmental impacts of the manufacturing of products. This goal is achieved by including closed loop and industrial ecology processes, internal recycling of waste, elimination of waste and emissions, water conservation and energy efficiency practices.

The Sustainable Manufacturing Program has focused in the areas of eco-efficiency improvements of manufacturing systems. Key focus of sustainable practices involve the evaluation of current manufacturing processes to reduce energy, water consumption, green house gas emissions and the redesigning of product & services to be environmental friendly. In order to conserve natural resources, Earth Friendly Products is committed to implement the manufacturing processes that are efficient in use of energy, water, and materials. When energy efficiency is factored into operations it reduces greenhouse gas emissions while increasing production at the same time. Earth Friendly Products is committed to overcome a number of challenges such as Improving efficiencies, Reducing costs, Improving quality, Safety management and Shop floor training. Earth Friendly Products are manufactured by people who benefit from their work and their labor is not exploited.

Implementing Sustainable manufacturing practices:

Eliminate waste: EFP is aiming for zero waste — to eliminate, not just reduce, wastage of materials in production, use of products and closing the loop: Reclaim the products and used items after their useful life. EFP implements the 4th "R" in their sustainability programs:



Reduce, Reuse, Recycle, **Re-Think**

Reduce and redesign. EFP always find ways to redesign their product including packaging to use less material.

Alternative Energy Use in Manufacture: Earth Friendly Products have installed solar panels to use renewable energy as a substitute for fossil-based energy source and reduce GHG.

Efficient Transportation: The only green primary manufacturing company. We are a one-link supply chain and control the entire process. Only green manufacturing with plants strategically located in 5 geographic locations. Lower GHG emissions due to the reduction of distance for delivery. Raw materials and packaging are purchased from local businesses. This practice boosts each local economy, controls the manufacturing cost and reduces our carbon footprint. Earth Friendly Products have preference towards using rail as a mode of transportation to cut down GHG emissions.

Life Cycle Assessment (LCA)

Earth Friendly Products runs Life Cycle Assessment study on environmental impact of all products and services throughout its lifespan. The LCA study provides our organization with a methodology to evaluate and quantify the impact of a product throughout all life cycle phases then make decisions on how to reduce the impacts in each life cycle phase to optimize the environmental performance of the product.

