



Green Pharma

Do the right thing ... *and* save money!

WHY SHOULD MANUFACTURERS ACTIVELY MANAGE ENVIRONMENTAL IMPACTS?

Environmental performance contributes to the overall success of any organization. Managing the environmental aspects of your business — such as energy and materials use — will increase your profitability by offering:

- **Cost Savings & Operating Efficiency**
Reducing waste and conserving energy and water can cut operating costs, improving the bottom-line of your organization.
- **Increase Market Share in the Global Arena**
Progressive environmental programs position your company to meet international standards in the global supply chain.
- **Increase Shareholder Value**
Protect your brand by reducing your liability and risk exposure by using less toxic alternatives.
- **Succeed in Hiring and Retention of Talent**
Recent surveys show MBAs and engineers rate corporate social responsibility highly in selecting positions.

GREENING PHARMACEUTICAL MANUFACTURING

Due to the large energy, water and materials use in pharmaceutical manufacturing, efficiency is a key strategy for profitability. Taken together, plants and office buildings share some of the same environmental concerns as a city. The Environmental Protection Agency's (EPA) Green Pharma initiative helps facilities in improving environmental performance in specific areas. The Green Chemistry in Pharmaceutical Manufacturing initiative was put together with key industry leaders, research universities and representatives from the Food and Drug Administration.

GREEN PHARMA OVERVIEW

EPA provides facility managers with clearly defined opportunities for becoming a recognized leader in green operations. The Green Pharma initiative provides a portal to many types of voluntary technical assistance and is based on a relationship of trust between the EPA and the facility. It offers a way to join the growing community of conscientious corporate citizens and improve stakeholder value. Facility managers can gauge performance, set goals for improvement and get recognition for their results.

TECHNICAL ASSISTANCE AVAILABLE

Upon request, EPA can assist with identifying pollution prevention opportunities specific to your facility, provide references for case studies in your region, and locate additional contacts and resources within your community. EPA offers non-regulatory assistance in areas such as:

- Energy Efficiency
- Resource Conservation
- Green Chemistry
- Water Conservation
- Compliance Assistance
- Green Supply Chain
- Green Buildings
- Carbon Reductions

Yes! I WOULD LIKE MORE INFORMATION.

Join the dynamic community of business leaders, professional societies, academia and green service industries to identify and implement the best environmental practices for your operations.



Become a part of EPA's Green Pharma efforts by contacting Maryann Helferty at 215-814-3299.



GREEN PHARMA OPPORTUNITIES

Being a Green Pharma partner provides facility managers with clearly defined pathways to measure environmental performance and set goals for improvement. Your efforts in these performance areas determine your level of success:

PERFORMANCE AREAS	GREEN PHARMA OPPORTUNITIES
Energy Efficiency	<ul style="list-style-type: none"> Plants can make energy management plans, upgrade to efficient equipment, and choose effective facility improvements. Optimize process heating and cooling systems. Take a new look at cogeneration opportunities.
Water Conservation	<ul style="list-style-type: none"> Facility implements water conservation practices in operating systems, process design and landscaping practices. Join EPA's Water Sense or Greenscapes programs.
Renewable Energy	<ul style="list-style-type: none"> Facility is an EPA Green Power Partner or purchases power from a renewable source, such as solar energy, geothermal, biomass, or wind.
Reduced Use of Toxics	<ul style="list-style-type: none"> Facility eliminates or reduces toxic chemicals from products, waste streams, and industrial releases. Get help with pollution prevention, and waste minimization. Join EPA's National Partnership for Environmental Priorities (NPEP).
Solid Waste	<ul style="list-style-type: none"> Facility sets and achieves a waste reduction goal, encouraging re-use and recycling. Join EPA's Waste Wise.
Green Supply Chain	<ul style="list-style-type: none"> Operation has an established green procurement policy.
Climate Change	<ul style="list-style-type: none"> Learn about EPA Climate Leaders and get assistance in doing a greenhouse gas inventory and making a reduction plan.
Environmental Messages	<ul style="list-style-type: none"> Facility develops and implements an outreach program to communicate environmental programs to customers and staff.
Green Buildings	<ul style="list-style-type: none"> Identify and implement high performance standards for new and existing buildings for higher efficiency and savings.
Professional Recognition	<ul style="list-style-type: none"> Join an EPA program, such as Waste Wise, Performance Track, Green Power, Climate Leaders, NPEP, or Water Sense.
Global Certification	<ul style="list-style-type: none"> Develop an Environmental Management System to meet new international standards for international marketing and sales.
Community Education	<ul style="list-style-type: none"> Improve business climate with regional greening initiatives for quality of life such as Green Communities and SmartWays.

A Green Pharma information packet that includes more details about each performance area and assistance is available by contacting Maryann Helferty at 215-814-3299.

