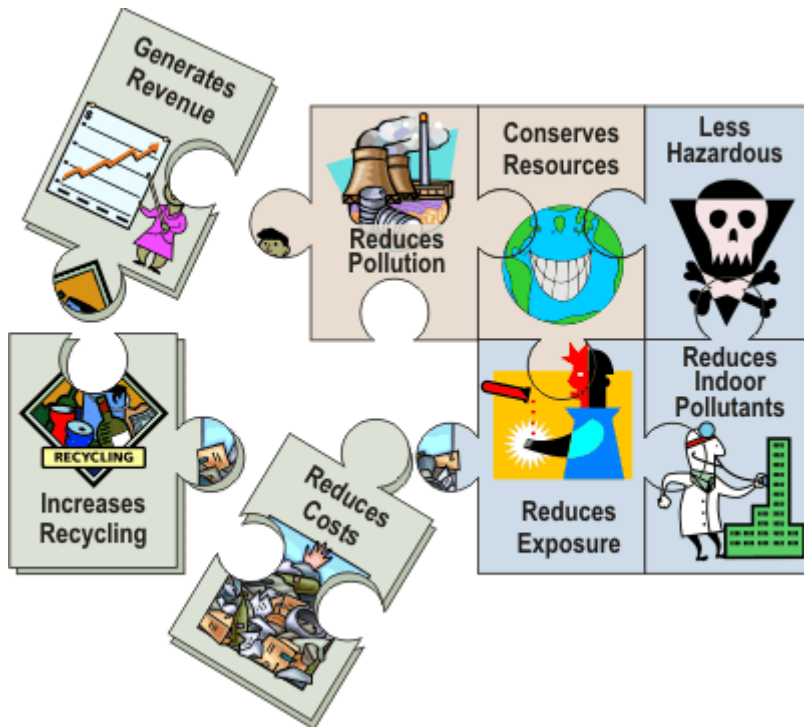


Green Procurement

Purchasing Environmentally Preferable Products has many positive effects:



Financial Effects



Purchasing Environmentally Preferable Products Reduces Waste Disposal Costs and Associated Environmental Effects of Landfill Waste

- Pennsylvania generates over 10.9 million tons of municipal waste each year.
- Successful recycling programs, powered in part by strong recycled commodities markets, routinely divert approximately 4.5 million tons or approximately 41.3% of the waste from landfill or incinerator disposal, accounting for over \$318 million in disposal cost avoidance.



Purchasing Environmentally Preferable Products Opens Markets for Recycled Products and Increases the Efficiency of Community Recycling Programs

- The Pennsylvania Markets Center has generated over \$443,781.00 in economic development over the last year by opening markets for 17 recycled commodities in Pennsylvania.
- Future projects administered through the Marketing Center will expand the program to 80 commodities in 33 Pennsylvania counties with economic benefits forecasted at over \$1.8 million.



Buying High Recycled Content Commodities Strengthens the Recycling Industry and Promotes Jobs and Generates Revenue

- In 2005, the recycling industry employed 81,322 people, 3.5% of all jobs in Pennsylvania, for an annual payroll of \$2.9 billion.
- Total annual sales receipts for these industries were \$18.4 billion.

Health Effects



Environmentally Preferable Products Replace Toxic Ingredients With Less Hazardous Materials

- One out of every three cleaning chemicals is known to cause human health or environmental problems.
- Every year more than 5 billion pounds of these chemicals are used to clean schools, office buildings and other public places.



Purchasing Environmentally Preferable Products Reduces Worker Exposure to Hazardous Chemicals

- Each year, exposure to toxic chemicals in the workplace results in as much as 130% increase in total worker sick leave.
- Toxic chemicals contribute to indoor air pollution which ranks among the nation's top five environmental risks and

is responsible for increased occurrences of asthma, breathing difficulties, headaches and rashes.



Environmentally Preferable Purchasing Reduces Emissions of Indoor Air Pollutants Leading to Sick Building Syndrome

- Air in an average building contains up to 15 times more volatile organic compounds than outside air, increasing pollution by as much as a factor of five.
- Indoor air pollution can increase employee complaints of headache, eye, nose and throat irritation, dizziness, nausea and fatigue, leading to greater absenteeism, lower productivity, low job satisfaction and increased job turnover.

Environmental Effects



Purchasing Environmentally Preferable Products Helps to Conserve Natural Resources

- Every ton of 100% post consumer recycled content paper used in place of virgin paper saves approximately:
 1. 24 Trees
 2. 7,000 gallons of Water
 3. 4,100 KWh of Electricity
 4. Over 60 Pounds of Hazardous Air Pollutants



Purchasing Environmentally Preferable Products Reduces Air and Water Pollution through Reduced Waste Emissions

- Reusing recycled materials results in less production of virgin materials with an associated reduction of toxic waste emissions. Last year environmentally preferable purchasing helped reduce US greenhouse gases, which contribute to global warming, by 2 million metric tons.
- It also reduced ammonia, carbon monoxide, methane and sulfur dioxide emissions by 587,000 tons and reduced toxic water emissions by nearly 9,000 tons.