



U.S. Department of Energy Buys Bio for Energy Security

DOE Sites Purchase Biobased Products

From Nearby Farms Instead of From Foreign Oil Fields

What Is DOE's Buy Bio Implementation Strategy

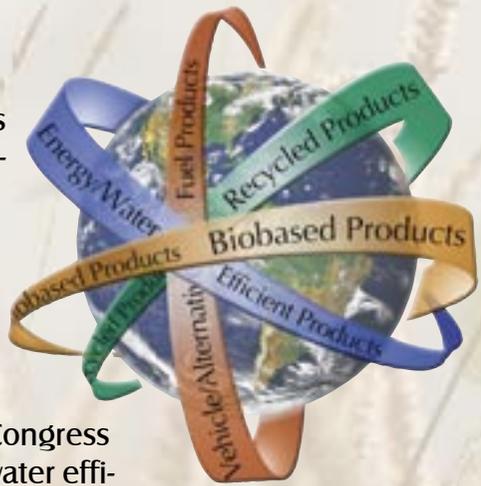
The U.S. Department of Energy is an Early Adopter of the Farm Security and Rural Investment Act. Section 9002 of the Act provides for preferred procurement of biobased products by Federal agencies as do Executive Orders 13101 and 13134. The requirements are:

- U.S. Department of Agriculture designates and certifies the products
- Federal agencies purchase designated products with biobased content

Goal

DOE's Buy Bio Program is a voluntary program. The goal is to help DOE sites recognize the value of biobased products and transition to them as quickly as possible.

The Buy Bio Program is part of DOE's Environmentally Preferable Purchasing Program to purchase products with environmental attributes, especially those attributes designated by Congress for purchase: biobased, energy and water efficient, recycled, alternative vehicles and fuel, and non-ozone depleting.



Award

DOE has established a Buy Bio Award as part of the environmental awards program. Each year the Office of the Biomass Program will select DOE sites for the Buy Bio Award, recognizing their initiative and accomplishments, and endorse those that qualify in the category of "Green Purchasing" for a Closing the Circle White House Award.

Which DOE Sites Are Early Adopters?

Several U.S. Department of Energy sites have already transitioned to biobased products. This year more DOE sites will be initiating pilot projects to pave the way for others. Speed the transition along for your site by contacting those who have been there:

Biobased General Purpose Cleaner

- Pacific Northwest National Lab

Biobased Floor Care

- Pacific Northwest National Lab (Testing FY04)

Biobased Hydraulic Fluid

- Brookhaven National Lab—Garbage Trucks, Mowers, Motor Pool Hydraulic Lift
- Sandia National Lab -Garbage Truck
- Princeton Plasma Physics Lab -Elevators (FY04)

Biobased Insulation

- Weatherization Assistance Program (Exploring FY04)

Biobased Parts Washer Detergent/Solvent

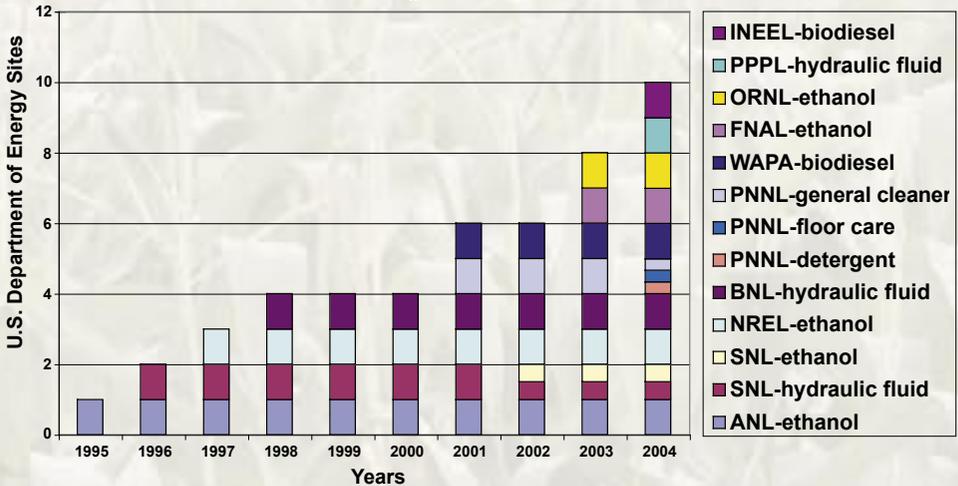
- Pacific Northwest National Lab (Testing FY04)

Biobased Fuel

- Fermi National Accelerator Lab
- National Renewable Energy Lab
- Oak Ridge National Lab
- Sandia National Lab
- Western Area Power Administration
- Idaho National Engineering and Environmental Lab (Testing FY04)



U.S. Department of Energy Use of Biobased Products FY2004 Assuming Successful Test Results



How Can You Include Biobased Products in Your Site's Environmental Management System?

- Set a goal to include the purchase of biobased products along with other environmentally preferable products in your site's Environmental Management System and transition to at least one biobased product a year
- Survey your organization's purchasing and resulting waste
- Recognize that products purchased today often become tomorrow's environmental management problems
- Identify mechanisms for buying biobased products
 - Credit card purchases
 - Service contracts
 - Electronic catalogs
 - Statements of work
 - Requests for proposal
- Conduct pilot projects
- Evaluate progress and renew efforts according to results
- Communicate benefits

What Are the Benefits of Buy Bio?

Energy Security Benefits

- Reduce U.S. reliance on imported petroleum
- Increase the economics of biorefineries by co-producing valuable biobased products along with biobased fuel

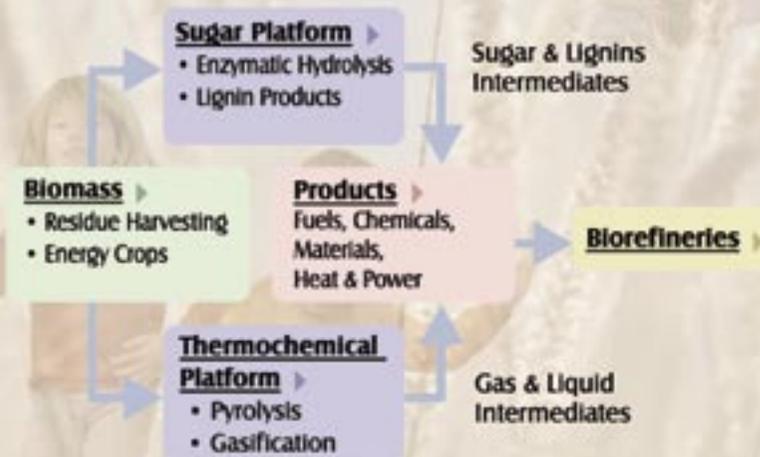
Environmental Benefits

- Establish healthier environment for staff
- Reduce hazardous materials on site
- Reduce atmospheric carbon dioxide that causes global climate change

Economic Benefits

- Reduce disposal and cleanup costs
- Improve economics of U.S. agricultural production
- Stimulate economic development in rural areas

Technology Development Benefits



What Types of Biobased Products Displace Petroleum?

- Adhesives
- Cleaners & solvents
- Construction materials
- Fibers & carpet backing
- Fuel additives
- Lubricants
- Papers
- Packaging
- Sorbents
- Inks
- Plastics
- Sealants



Websites

Department of Energy

<http://www.eere.energy.gov/biomass>

Department of Agriculture

<http://www.biobased.oce.usda.gov/public/index.cfm>

Office of Federal Environmental Executive

<http://www.ofee.gov>

Who Can I Contact?

Office of the Biomass Program (EE)

Mark Decot—Tel. 202-586-5188

Office of Pollution Prevention & Resource Conservation (EH)

Don Lentzen—Tel. 202-586-7428

Office of Procurement & Assistance Management (ME)

Richard Langston—Tel. 202-287-1339

Technical Support—Tel. 509-529-1535

