

Washington, DC 20585

AUG 0 6 2004

MEMORANDUM FOR DISTRIBUTION FROM: RICHARD H. HOPF, DIRECTOR OFFICE OF PROCUREMENT AND ASSISTANCE MANAGEMENT

SUBJECT: Environmentally Preferable Purchasing

As a result of Section 9002 of the Farm Security and Rural Investment Act of 2002, the United States Department of Agriculture (USDA) published a Notice of Proposed Rulemaking in the Federal Register on December 19, 2003, 68FR70730, entitled "Guidelines for Designating Biobased Products for Federal Procurement". This was the first step in the development of a mandatory purchasing program being referred to as the "Buy Bio Program". The Act, as well as Executive Orders 13101 and 13134, provide for a preferred procurement program for biobased versus similar petroleum based products, and is modeled after EPA's Affirmative Procurement Program for recycled content products. USDA will develop a list of products that Federal agencies and their cortractors will be obliged to purchase with biobased content. A FAR Case to implement this new program is under development.

Within DOE, the Office of Energy Efficiency and Renewable Energy (EERE), through its Office of the Biomass Program, is urging the Department and its management contractors to be early adopters of the Buy Bio Program. The nation's energy security is enhanced by substituting domestically produced biobased products in place of those produced from petroleum and makes DOE early adopters of the Act. A synopsis of the requirements within Section 9002 and the draft list of biobased products is attached. Early adoption is voluntary for individual contracting activities and management contractors. But, along with enhancing energy security, early adoption has the advantage of developing familiarity with biobased products that will be mandatory for purchase when the program is ultimately implemented. The attached "Environmentally Preferable Contracting Opportunities List" was prepared by EERE's Biomass Program, based upon an analysis of the procurement forecasts of DOE and its management contractors. The attachment lists opportunities identified to promote DOE's Voluntary Early Adopter Buy Bio Program and other preferred procurement products, such as recycled content products and energy and water efficient products. Many opportunities are service acquisitions, such as construction and janitorial services, for which building materials with biobased, recycled content, and environmentally preferable cleaning supplies may be specified.



You are encouraged to share this memorandum and its attachments with your management contractors, facility management, and other requirements personnel, and to use this tool to expand the award of environmentally preferable contracts and orders. Those interested in learning more about the Buy Bio or Affirmative Procurement Programs should contact their site's Green Acquisition Advocates or Recycling Coordinators who receive recurring updates on both programs through quarterly "Environmentally Preferable Contracting Teleconferences". Please informally keep track of successes in this area, so they can be reported when the annual Resource Recovery and Conservation Act (RCRA) report is prepared. Questions may be addressed to Mr. Richard Langston, of my staff, at (202) 287-1339 Richard.Langston@hq.doe.gov.

Attachments

#### DISTRIBUTION

Mike Adams, Acting Procurement Director, Idaho Operations Office Mike Barrett, Acting Procurement Director, Office of River Protection John Bashista, Headquarters Procurement Services Debra Bean, Procurement Director, Western Area Power Administration Ken Berglund, Procurement Director, Bonneville Power Administration Stanley Colt, Acting Procurement Director, Carlsbad Area Office Charles Crowe, Procurement Director, Oak Ridge Operations Office Charlie Dan, Proc rement Director, Rocky Flats Field Office John Greenwood, Procurement Director, Chicago Operations Office Birdie Hamilton-Ray, Procurement Director, Office of Repository Development (RW) Gary Landry, Procurement Director, Strategic Petroleum Reserve Project Office Anthony Lorenz, Procurement Director, Richland Operations Office Michael Allison, Procurement Director, Savannah River Operations Office Joel Seymour, Precurement Director, Southeastern Power Administration Dale Siciliano, Procurement Director, National Environmental Technology Laboratory Mona Snyder, Procurement Director, Ohio Field Office Cris Van Horn, Procurement Director, Southwestern Power Administration Jerry Zimmer, Procurement Director, Golden Field Office

cc:

Douglas E. Kaempf, Program Manager, EE-2E Andrew C. Lawrence, Deputy Assistant Secretary, EH-41 Stephen Mournighan, Deputy Director, ME-60 Edward Simpson, Director ME-62 Jan Chavez-Wilcynski, Director, ME-65 Robert, Braden, Director, NA-63 James J. Cavanagh, Deputy Director, NA-63

# Background Info U.S. Department of Energy's Buy Bio Early Adopter Initiative

Synopsis of *Federal Register* Proposed Rule "Guidelines for Designating Biobased Products for Federal Procurement" December 19, 2003 – U.S. Department of Agriculture http://www.access.gpo.gov/su\_docs/aces/fr-cont.html

"Within 1 year after the publication date of each designated item, Federal agencies that have the responsibility for drafting or reviewing specifications for items procured by Federal agencies shall ensure that their specifications require the use of designated items composed of biobased products, consistent with these guidelines."

"Within 1 year after the publication date of these guidelines, each Federal agency shall develop a procurement program which will assure that items composed of biobased products will be purchased to the maximum extent practicable and which is consistent with applicable provisions of Federal procurement law."

- Preference program
- Promotion program
- Review and monitoring program

While the notice is or ly the U.S. Department of Agriculture's proposed framework for designating biobased products for purchase by Federal agencies, the notice also "particularly seeks public comment on the proposed categories and items, and the reasonableness of the biobased content percentages, discussed below." Although the notice lists product categories and percentages, USDA's intent is these are potential product categories they might propose

Product Category	Percent by Weight	Source/Benefits
Adhesives and products containing adhesives: Book bindings Boxes - corrugated Doors Envelopes Labels Lumber (glulam beams, I-joists) Furniture	70%/adhesive 90%/product	Starch from corn, potatoes, wheat, tapioca, and other plants; casein from skimmed milk; soy protein; soybean oil; vegetable gums; gelatin; livestock derivatives; tannins from woody biomass; and marine animal derivatives
Paper bonds Stamps Sutures Tapes (clear, duct, masking) Windows		Reduce total amount of phenol-formaldehyde and isocyanate-containing adhesives used to bond plywood and other panels

Construction Materials and	85%	Bamboo, cereal grain
Composites, including products with	construction	straws, corn, polylactides,
adhesives	70%	corn stover, kenaf, guayule,
Appliance molded cases, covers	composite	paper, soybean oil polyol,
Beams - laminated	10%	straw, sugar cane bagasse,
Board – oriented strand	molded reinf.	vegetable fiber, vegetable
Building materials	15%	oil polyesters, wood
Cabinets	insulat. foam	byproducts (chips, flour,
Carpet, incl. backing and pad	20%	sawdust, shavings)
Composites	mixed	, 3,
Computers		
Concrete (starch/vegetable compounds	1. A. C.	
added during setting reduce density)		
Concrete mold release agents		
Cushions - foam		
Dashboards - automotive		
Fiberboard – medium density		
Fixtures - store		
Foam – rigid and soft		
Furniture		승규는 대학 가슴을 가지 않는 것이 없다.
Hardboard		
Insulating foams – rigid for appliances		
Insulating roams – fight for apphances		
Lumber, incl. plastic wood composite Pads – furniture, etc.		
Panels – nonstructural		생활에 다시면 그렇게요. 그렇는.
Plaques - award		
Plywood		
Seats - automotive		
Shingles		
Siding		
Signs		
Tabletops		김 씨는 그는 그 것 같아요?
Telephones Trim		
Trophies Wood - round		
Construction – products with biobased		물건에 가장 물건물 가지?
adhesives		
Beams - laminated		
Board – oriented strand		
Composites – decorative	144.187.28	
Fiberboard – medium density		
Hardboard		
Lumber – finger jointed/oriented		
Strand		

Molding		
Plywood		
Roof trusses		
Trim		
Fibers, Paper, Packaging	90%	Bamboo, cornstarch, corn
Boxes	fibers	stover, cotton (low-grade),
Cabinets	30%	flax, kenaf, leaves, poultry
Displays - store	fib.composites	feathers, potato starch, rice
Drums	30%	saw dust, straw, sugar cane
Furniture	comp.pkg.mat.	bagasse, switch grass,
Packaging	75%	wheat, wood by products
Pails	woven fibers	(chips, forest thinnings,
Panels – lightweight honeycomb	80%	grindings, sawdust,
Paper	pkg materials	shavings, tree curls)
Paperboard	20%	
Ropes	paper	
Textiles	50%	
Yarns	bristols	
	20%	
	newsprint	
	30%	
	tissue	
	30%	
	paperboard	
	50%	
	other	

Fuel Additives – enhance a fuel's combustion or other properties Heat buildings Power vehicles Steam heat	5%	Animal fat, canola, corn, byproducts or crop/processing residues (cooking oil, cotton, hulls, manure, nonrecyclable paper, paper sludge, soy, stalks, sugar), rape seed,
Solid fuel additives *Brickets *Pellets	80%	Wood, wood residue
Liquid fuel additives *Biodiesel *Ethanol		
Inks – Plant and Vegetable (no VOCs) Soy ink (newspapers)	20% forms 10% headset 40% news – black 30% news – color 20% sheet fed 20% specialty	Soybean oil
Landscaping Materials, Compost, Fertilizer Compost Fertilizer Landscaping materials (bark, chips, mulch	100% 80% 100%	Biobased coatings, construction materials, fibers, manure, paper, sorbents, straws, woody crops

Lubricants and Functional Fluids	10%	Animal fat, canola, corn,
2-cycle engine oil additives for	crank.oil-h2o	plant materials, rapeseed,
chain saws	50%	soybean, sun flower
lawnmowers	crank.oil-air	
string trimmers	50%	
other small machinery	2-cycle eng. 40%	
Dielectric fluids for transformers	5 <sup>th</sup> whl grease 25%	
Heavy machinery, mobile equipment *Brake fluid	auto grease 50%	
*Coolants	loss lubchain	
*Crankcase oil/grease	50%	
*Hydraulic fluid *Lubricants	turbine lub. 50%	
*Metal working fluid (cutting/drilling oil/lubricant)	penetrating oil 90%	
*Oil – bar, chain, sprocket	gen. purpose	
*Power steering fluid	50%	
*Process fluid	hydraulic fluid	50 - MELE MUDIE - MELE
*Transmission fluid	20%	
	brake fluid	
Release Agents for	50%	
Forms	drilling oil	
Molds	30%	
110100	metal wrking	
	30%	
	stamping 70%	
	concrete rel.	
	50%	
	metal foundry	
	70%	
	transformer oil	
Paints and Coatings	20%	Cellulose esthers/ethers,
Coatings – architectural, marine	formulated	corn, guayule epoxy-amine,
Corrosion inhibitors	product	linseed oil, soy, soybean
Paint	1	oil, wheat, xanthan gum
Polishes		
Sealers – concrete, wood		
Stains		

Plastics		Starch in corn, potatoes,
Biodegradeable films	25%	tapioca, wheat
Biodegradeable foams	50%	
Compostable molded products	75%	
Durable films, coatings	20%	
Durable foams	15%	
Molded composites/biobased fibers	20%	
Molded plastics, comp., biobased resins	10%	
Synthetic fibers	50%	
Water soluble polymers	50%	
Solvents and Cleaners	50%	Crops, livestock
Carrier solvent for paints, inks, lotions	formulated	
Cleaning – fabric, fruit/vege, paint, etc.	100%	
	concentrate	
Sorbents	90%	Corn stover, cotton, cotton
Absorb spills (blood, fluids, oil, urine)	sorbents	linters, kenaf, peanut huls,
	75%	vegetable starch, wool
	sorbent syst.	

# DOE ENVIRONMENTALLY PREFERABLE PROCUREMENT FORECAST OPPORTUNITIES

### **Fiscal Year 2005**

Cleaning Services – Sub Contract Savannah River Operations Office Set-aside for Small Business RFP Release Date: 1st Quarter Anticipated award Date: 2<sup>nd</sup> Quarter Current Contract Number: C001810N Acquisition POC: Susan Goodwin, 803-952-6091

Construction of Building – Sub Contract Stanford Linear Accelerator Center RFP Release Date: 2<sup>nd</sup> Quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: None Acquisition POC: 650-926-3300

Construction of Gate House and Badge Office – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction of Refrigeration Service Buildings – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 4<sup>th</sup> Quarter Anticipated Award Date: 1<sup>st</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction of Road – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 2nd Quarter Anticipated Award Date: 3rd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7507 Construction of Road – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 1st Quarter Anticipated Award Date: 2nd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7121

Construction Services – Sub Contract Bechtel National, Inc. Office of River Protection RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Mike Jewell, 509-371-2703

Construction Services – Sub Contract Lawrence Lavermore National Laboratory RFP release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: H617000 Acquisition POC: 925-422-4816

Elevator Maintenance – Sub Contract Savannah R.ver Operations Office Sole Source RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Susan Goodwin, 803-952-6091

Facility Maintenance – Sub Contract Savannah Raver Operations Office Sole Source RFP Release Date: 4<sup>th</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: AC13133M Acquisition POC: Susan Goodwin, 803-952-6091

Flooring and Floor Covering – Sub Contract Lawrence Livermore National Laboratory RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: H643800 Acquisition POC: 925-422-4816 Janitorial Services – Prime Contract Richland Operations Office Set-aside for Sole Source 8(a) RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: DE-AC06-00RL14144 Acquisition POC: Rich Hague, 509-373-3352

Janitorial St.pplies – Sub Contract Nevada Operations Office Set-aside for Small Business RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: 31440 Acquisition POC: Procurement at 702-295-2150

Laundry Services – Sub Contract Lawrence Livermore National Laboratory RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: H553600 Acquisition POC: 925-422-4816

Office Infrastructure – Sub Contract Kansas City Site Office Set-aside for Small Business RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: None Acquisition POC: 816-997-4700

Rehab Kitchen – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Repair and Install Door – Sub Contract Lawrence Lavermore National Laboratory RFP Release Date: To Be Determined Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: H531800 Acquisition POC: 925-422-4816 Re-roof Building – Sub Contract Stanford Linear Accelerator Center RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: None Acquisition POC: 650-926-3300

Re-roof Building – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Technical Assistance (May include Conservation Landscaping) – Prime Office of Energy Efficiency and Renewable Energy Set-aside for Small Business RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: None Acquisition POC: Hon Olsen, 303-275-4722

Truck Maintenance – Sub Contract Savannah River Operations Office Set-aside for Small Business RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: C001869N Acquisition POC: Bruce Way, 803-952-9015

### **DOE EPP FORECAST OPPORTUNITIES**

#### Fiscal Year 2006

Building Management System Maintenance – Sub Contract Savannah River Operations Office Sole Source RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Susan Goodwin, 803-952-6091 Construction of Buildings – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 1st Quarter Anticipated Award Date: 2nd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction of Offices – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 2nd Quarter Anticipated Award Date: 3rd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction of Parking Lot –Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 2nd Quarter Anticipated Award Date: 3rd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction of Road Extension – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 2nd Quarter Anticipated Award Date: 3rd Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction Services – Sub Contract Bechtel National, Inc. Office of River Protection RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Mike Jewell, 509-371-2703

Custodial Services – Sub Contract Office of Civilian Radioactive Waste Management Set-aside for National Industry for the Severely Handicapped RFP Release Date: 2<sup>nd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: DE-AC28-01RW12155 Acquisition POC: Karen Pigee, 702-794-5074

Food Services – Sub Contract Lawrence Livermore National Laboratory RFP Release Date: To Be Determined Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: B512880 Acquisition POC: 925-422-4816

Grounds and Administrative Support – Prime Albuquerque Operations Office Competitive 8(a) RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: DE-AC04-02AL67184 Acquisition POC: Office of Contracts and Procurement, 505-845-5849

Janitorial Services – Sub Contract Nevada Operations Office Competitive 8(a) RFP Release Date: 4<sup>th</sup> Quarter Anticipated award Date: 1<sup>st</sup> Quarter Current Contract Number: 30593 Acquisition POC: Procurement, 702-295-2150

Janitorial Services – Sub Contract Fermi National Accelerator Laboratory, Office of Science RFP Release Date: 1<sup>st</sup> quarter Anticipated Award Date: 2<sup>nd</sup> Quarter Current Contract Number: None Acquisition POC: Joe Collins, 630-840-4169

Janitorial Services – Sub Contract National Renewable Energy Laboratory, Golden Field Office Set-aside for Small Business RFP Release Date: To Be Determined Anticipated Award date: To Be Determined Current Contract Number: ACM-1-31802-01 Acquisition POC: Jeff Soltesz, 303-384-7409

Linen Launcry Services – Sub Contract Nevada Operations Office Set-aside for Small Business RFP Release date: 1<sup>st</sup> Quarter Anticipated award Date: 1<sup>st</sup> Quarter Current Contract Number: 31293 Acquisition POC: Procurement at 702-295-2150

Rehab Kitchen Equipment – Sub Contract Thomas Jefferson National Accelerator Facility Set-aside for Small Business RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 4<sup>th</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Re-roof Building – Sub Contract Stanford Linear Accelerator Center RFP Release Date: 3<sup>rd</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: None Acquisition POC: 650-926-3300

## **DOE EPP FORECAST OPPORTUNITIES**

## Fiscal Year 2007

Building and Paint Supplies – Sub Contract Nevada Operations Office RFP Release Date: 1<sup>st</sup> Quarter Anticipated Award Date: 1<sup>st</sup> Quarter Current Contract Number: 35723 Acquisition POC: Procurement at 702-295-2150

Building Maintenance Support Services Savannah River Operations Office RFP Release date: 1st Quarter Anticipated Award Date: 1<sup>st</sup> Quarter Current Contract: AC 29995N Acquisition POC: Susan Goodwin, 803-952-6091

Construction of Facility – Prime Sandia National Laboratories RFP Release: To Be Determined Anticipated Award Date: To Be Determined Current Contract Number: None Acquisition POC: Rhonda Dukes, 505-844-3565 Construction of Refrigeration Service Buildings – Sub Contract Thomas Jefferson National Accelerator Facility (Jefferson Lab) Set-aside for Small Business RFP Release Date: 2<sup>nd</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: None Acquisition POC: Ross Small, 757-269-7603

Construction Services – Sub Contract Bechtel National, Inc. Office of River Protection RFP Release Date: 2<sup>nd</sup> Quarter Anticipated Award Date: 3<sup>rd</sup> Quarter Current Contract Number: None Acquisition POC: Carrie Brittain, 509-371-2703