

<b>Subject:</b>  <b>Environmentally Preferable Purchasing</b>	<b>Effective Date:</b>  <b>January 8, 2016</b>	<b>Initiated by:</b>  Head, Environmental Services Division
	<b>Supersedes:</b> Revision 3 dated 2/12/14	<b>Approved:</b>  Director

**Management System (Primary):** 09.00 ESH and Integrated Safety Management

**Management System Owner:** Head, Environment, Health, Safety & Security

**Management Process:** 09.10, ESH Environmental Management & Compliance

**Process Owner:** Head, Environmental Services Division (ESD)

**Subject Matter Expert (SME):** Head, Environmental Compliance

It is PPPL’s policy to maximize the acquisition of environmentally preferable products and services consistent with mission need, price, performance, availability and our small business goals. This Environmentally Preferable Purchasing Policy is intended to:

- Conserve resources for future generations,
- Reduce the toxicity and hazards of products used at PPPL,
- Reduce indirect greenhouse gas emissions,
- Enhance biodiversity,
- Promote employee safety and health,
- Maximize the opportunity of material recycling,
- Support Federal efforts to enhance the market for environmentally preferable and rapidly renewable products,
- Ensure that 95% of new contract actions for products and services include applicable Federal provisions for the purchase of environmentally preferable or rapidly renewable products, and
- Help reduce the Laboratory’s long-term environmental liabilities.

PPPL’s Environmentally Preferable Purchasing policy applies to all aspects of Laboratory operations including, but not limited to, the purchases of ongoing consumables, durable goods, equipment, materials and supplies, office furnishings, buildings and grounds materials and products, chemicals, etc., as well as to appropriate subcontracted services.

Environmentally preferable purchasing is an integral part of PPPL’s Environmental Management System (EMS). *All PPPL organizations that purchase equipment, materials and services are responsible for ensuring consistency with this policy*, including working to ensure that goals are met, evaluating items that are purchased and identifying opportunities for more environmentally preferable alternatives.

PPPL establishes objectives and targets for the EPP program to measure implementation and regularly reports on progress to Laboratory management. Additional information is available online at [https://pppl.princeton.edu/PPPL\\_Environmentally\\_Preferable\\_Purchasing](https://pppl.princeton.edu/PPPL_Environmentally_Preferable_Purchasing).

## Definitions

**Environmentally Preferable Products (EPP)** – Products that have a reduced negative effect or increased positive effect on human health and the environment when compared with competing products that serve the same purpose. This comparison may take into consideration raw materials acquisition, production, fabrication, manufacturing, packaging, distribution, reuse, operation, maintenance, and disposal of the product. EPP includes, but is not limited to:

- EPA designated recycled content, recyclable and reusable products,
- USDA designated biobased, non-toxic materials or less toxic materials,
- ENERGY STAR<sup>®</sup> and EPEAT<sup>™</sup> registered electronic products,
- WaterSense<sup>®</sup> labeled and other water efficient products,
- FEMP-designated products,
- Significant New Alternative Policy (SNAP) chemicals or other alternatives to ozone-depleting substances and high global warming potential hydrofluorocarbons, where feasible, as identified by SNAP
- Safer Choice<sup>®</sup> labeled products (chemical products that contain safer ingredients);
- SmartWay<sup>®</sup> Transport partners and SmartWay<sup>®</sup> products (fuel efficient products and services), and
- Products from EPA's Comprehensive Procurement Guide and EPP guides at [https://pppl.princeton.edu/PPPL\\_Environmentally\\_Preferable\\_Purchasing](https://pppl.princeton.edu/PPPL_Environmentally_Preferable_Purchasing)

**Rapidly Renewable Materials** – Materials that are planted and harvested in a less than 10 year cycle. These include materials such as bamboo, wool, cotton insulations, agri-fiber, linoleum, wheat board, strawboard, and cork.

## References

Executive Order 13693, Planning for Federal Sustainability in the Next Decade

40 C.F.R. §247, Comprehensive Guidelines for the Procurement of Products Containing Recovered Materials

7 C.F.R. §2902, Designation of Biobased Items for Federal Procurement

48 C.F.R. §923.103, Department of Energy Acquisition Regulation (DEAR), Sustainable Acquisition

DOE Order 436.1, Departmental Sustainability

PPPL ES&H Directive 5008, Section 12, Environmental Protection

PPPL Environmental Management System Description