

A close-up photograph of several green fern fronds, showing the intricate, feathery structure of the leaves. The fronds are a vibrant green color and are set against a blurred background of more foliage, creating a soft bokeh effect.

ANNUAL REPORT

Maryland Green Purchasing

2019

Maryland Department of General Services



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Executive Summary



A robust green purchasing program provides many environmental, human health, and social benefits. These include: reduced pollution in air, water and soil; reduced greenhouse gas emissions; increased use of recycled products; less waste in landfills; improved indoor air quality; reductions in exposure to hazardous and toxic substances; improved wildlife habitats; as well as economic benefits.

In FY 2019, the Maryland Green Purchasing Committee was re-invigorated leading to greater engagement and participation of Member Agencies and a renewed commitment to support Maryland's climate and energy goals moving forward.

Key Accomplishments in FY 2019 include:

- **\$32,339,005 in Environmentally Preferable Procurement (EPP)**
 - A well-attended Green Purchasing Vendor Fair
 - \$10,000 Green Purchasing Technical Assistance Grant from the National Association of State Procurement Officials (NASPO)
 - Partnership with the Responsible Purchasing Network (RPN) to begin developing a *Green Purchasing Action Plan* for the State of Maryland
 - Sustainable Procurement training provided for State procurement staff
-

Introduction

Background

The Maryland Green Purchasing Committee was established by the Green Maryland Act of 2010 (Chapter 593 of the 2010 Laws of Maryland) to administer an environmentally preferable purchasing program for the State of Maryland. The Green Purchasing Committee consists of 9 Executive Cabinet Departments as well as the University System of Maryland.



1 Members of the Maryland Green Purchasing Committee

It is the vision of the Green Purchasing Committee to foster the health of our communities and environment by promoting sustainable practices in government including the procurement of green products and services. The Committee develops and implements statewide green purchasing policies, guidelines, programs, best practices, and regulations that will translate to environmental and human health benefits including clean air and water, healthy communities, and a reduced carbon footprint. The Committee's work supports Maryland's established targets for

Greenhouse Gas Reductions (Greenhouse Gas Reduction Act of 2016) and energy efficiency (Executive Order 01.01.2019.08 Energy Savings Goals for State Government).

The Green Purchasing Committee provides assistance to State units so they can more easily implement environmentally preferable purchasing practices. For example, it maintains a Green Purchasing Best Practices Manual and website; and issues and updates Green Purchasing Guidelines, which include product- and category-based specifications.

As stated in COMAR 21.13.01.14, the Maryland Green Purchasing Committee must report on or before October 1 of each year to the General Assembly "on the Committee's activities and the progress made on the implementation of the Green Maryland Act of 2010."



2 Maryland Green Purchasing Committee at work

Committee Membership

The following agencies are statutory members of the Maryland Green Purchasing Committee:

- General Services (Chair)
- Budget and Management
- Environment
- Health
- Information Technology
- Natural Resources
- Public Safety and Correctional Services
- State Treasurer
- Transportation
- University System of Maryland

A list of all Members, Designees and Participants with contact information is included in Appendix A.

Laws & Regulations

Maryland has enacted several laws and regulations related to environmentally preferable purchasing. The following Code of Maryland Regulations (COMAR) guide the State's green purchasing practices.

Regulation	Title
01.01.1991.20	Conservation of Paper by Units of State Government "Whenever economically practical, the Secretary of General Services shall insure that procurement officials specify photocopy machines which have the capability to perform two-sided photocopying."
01.01.1993.20	Alternative Fueled Vehicles "The Department of General Services and the University of Maryland System shall procure, for State agencies and the University of Maryland System and its constituent institutions, respectively, approved alternative fueled vehicles and shall ensure that refueling capacity for alternative fuels is available to State agency fleets and the University of Maryland System."
01.01.2001.02	Sustaining Maryland's Future with Clean Power, Green Buildings and Energy Efficiency, "The State shall purchase Energy Star products when purchasing energy-using products, including computers, printers, copiers and other office equipment, or shall purchase products in the top 25% in energy efficiency for products where labels are not available."
01.01.2001.06	Water Conservation by State Agencies Each State Agency shall develop a water conservation plan that addresses "The purchase of water-efficient plumbing fixtures, appliances and other products when new or replacement products are needed; and ..."Identify and select specific water conservation measures that need to be employed to improve water management and water use efficiency to achieve the water conservation goal of this Executive Order."
01.01.2003.49	Pesticide Advisory Committee

21.04.01.02	<p>[Procurement] General Purpose</p> <p>"When applicable, specifications shall include statements concerning:</p> <ol style="list-style-type: none"> (1) Low noise levels ...; (2) Energy efficiency; (3) Coal in heating systems ...; (4) Percentage price preference for products made from recycled materials pursuant to State Finance and Procurement Article, §14-405, Annotated Code of Maryland; and (5) Preference for mercury-free products and equipment ..."
21.11.07.01	<p>Definitions</p> <p>Defines a variety of terms such as "Environmentally Preferable Products and Services" and "Environmentally Preferable Purchasing".</p>
21.11.07.03	<p>Recycled Paper Purchases</p> <p>"A. Of the total volume of paper that the Secretary of General Services buys, at least 90 percent shall be recycled paper.</p> <p>B. In purchasing any paper or paper products as supplies for any using agency pursuant to State Finance and Procurement Article, Title 4, Subtitle 3, Annotated Code of Maryland, the Secretary of General Services, to the fullest extent practicably possible, shall purchase or approve for purchase only such supplies as are manufactured or produced from recycled paper.</p> <p>C. If recycled paper that meets the definition set forth in Regulation .01B(7) of this chapter [contains at least 80% post-consumer recycled content] is unavailable, then for purposes of complying with the requirements of this chapter, the Department of General Services and other State agencies may purchase recycled paper and paper products that have the highest percentage of post-consumer material that, at minimum, meets EPA guidelines, provided that reasonable levels of competition, cost, availability, and technical performance are maintained."</p>
21.11.07.04	<p>Low Noise Supplies</p> <p>"A. All units of State government shall acquire by purchase or lease, to the greatest extent practicable, the quietest available supplies.</p> <p>B. Supplies certified by the Administrator of the United States Environmental Protection Agency as "low noise emission products" pursuant to §15 of the Noise Control Act of 1972 shall be considered to meet the intent of this regulation."</p>
21.11.07.07	<p>Mercury and Products that Contain Mercury</p> <p>"All procurement agencies shall give a [5 percent] preference under this regulation to procuring products and equipment that are mercury-free. If mercury-free products and equipment that meet the agency's product performance requirements are not commercially available, the procurement agency shall give preference under this regulation to products containing the least amount of mercury necessary to meet performance requirements."</p>
21.11.07.08	<p>Locally Grown Foods</p> <p>"State schools and facilities shall include in procurement solicitations a price preference not exceeding 5 percent to bids or proposals for locally grown food."</p>
21.11.07.09	<p>Environmentally Preferable Purchasing</p> <p>"All procurement agencies shall purchase environmentally preferable products and services unless purchasing environmentally preferable products and services would limit or supersede any requirements under any provision of law or result in the purchase of products and services that:</p> <ol style="list-style-type: none"> (1) Do not perform adequately for the intended use; (2) Exclude adequate competition; or (3) Are not available at a reasonable price in a reasonable period of time."

21.11.07.10	<p>Compost</p> <p>"A State or local unit responsible for the maintenance of public lands in the State, to the maximum extent practicable, shall give preference to the use of compost in any land maintenance activity that is publicly funded."</p>
21.11.07.11	<p>Energy Efficient Outdoor Lighting Fixtures</p> <p>"If State funds are used to install or replace a permanent outdoor luminaire for lighting on the grounds of any building or facility owned or leased by the State or a unit of the State, procurement specifications shall require that:</p> <ol style="list-style-type: none"> (1) Design of the luminaire maximizes energy conservation and minimizes light pollution, glare, and light trespass; (2) Illumination produced by the luminaire is the minimum illumination necessary for the intended purpose of the lighting; and (3) For a luminaire with an output of more than 1,800 lumens, the luminaire is a restricted uplight luminaire."
21.11.07.13	<p>Purchasing Electronic Products</p> <p>"When purchasing an electronic product to be used by the State, a procurement agency shall purchase an electronic product that:</p> <ol style="list-style-type: none"> (1) Is listed and rated silver or gold on the EPEAT registry; or (2) Meets nationally-recognized and consensus-based standards established by a comprehensive environmental rating system approved by the Department of Information Technology."
21.13.01.14	<p>Report on Green Purchasing</p> <p>"A. On or before September 1 of each year, each procurement agency shall report to the Department of General Services on the agency's procurement of environmentally preferable products and services during the preceding fiscal year, including the types and quantities of products and services procured. The report format shall be determined by the Department of General Services.</p> <p>B. Green Purchasing Committee. On or before October 1 of each year, the Maryland Green Purchasing Committee, as established in State Finance and Procurement Article, §14-410, Annotated Code of Maryland, shall report to the General Assembly on the Committee's activities and the progress made on the implementation of the Green Maryland Act of 2010. The report is subject to State Government Article, §2-1246, Annotated Code of Maryland."</p>

Exhibit 1 COMAR Regulations relevant to Environmentally Preferable Purchasing

Other relevant legislation includes:

Bill No.	Year	Bill Name
SB 693	2010	Green Maryland Act of 2010 Chapter 593 (2010 Senate Bill 693)
HB 448	2012	Procurement - Preferences - Purchasing and Recycling Electronic Products Chapter 372 (2012 House Bill 448)
HB 629	2014	Environmentally Preferable Procurement - Maryland Green Purchasing Committee Chapter 604 (2014 House Bill 629)

Exhibit 2 Legislation relevant to Environmentally Preferable Purchasing

Green Purchasing Report

Green Purchasing Committee Activities in FY 2019

In 2019, the Department of General Services (DGS) made efforts to re-invigorate the Maryland Green Purchasing Committee (the “Committee”) by appointing a new Designee to lead the efforts and committing additional DGS staff to lend their time and expertise to the Maryland Green Purchasing Committee on a part-time basis. In the summer of 2019, DGS recognized the need for dedicated staff for the Committee and advertised for a full-time contractual Sustainability Coordinator. That position has since been filled and the Sustainability Coordinator will dedicate at least 50% of their time to staffing the Committee.

The Committee met quarterly in FY 2019 and increased Agency Designee engagement through outreach, training and a survey. In addition, Ad-hoc Sub-Committees were formed to accomplish short-term goals resulting in the initiatives described below.

Earth Day Green Purchasing Vendor Fair



3 Attendees at Earth Day vendor fair; Allegra Daye and Calvin Gladden speak to vendors and buyers about the Maryland Green Purchasing Committee

The Maryland Green Purchasing Committee hosted an Earth Day Celebration on April 22, 2019 at DGS’s State Office Center. The celebration featured a green vendor fair, showcasing companies that have been awarded contracts to provide environmentally preferable products and services to the State. Participating suppliers showcased a wide array of products and services that can help the State protect human health and the environment, including recycled-content office supplies, energy-efficient computer technology, certified low-toxicity janitorial products, recycling services, and more.

The event was attended by more than 300 State and local government employees, businesses and other individuals. Feedback from participating vendors was especially positive. The Committee will offer a similar event annually.



4 (Clockwise from upper left): Assistant Secretary Lauren Buckler, Former GPC Staff Rose Odametey, and DGS Secretary's Designee Emily Soontornsaratool; Vendors meet with procurement officers and purchasing agents to discuss their products and services; Earth Day artwork display by preschool 3's class at Bolton Hill Nursery; Attendees visit vendor booths at the Earth Day vendor fair.

Green Purchasing Survey of State Agencies

The Green Purchasing Committee issued a survey to state agency procurement officers and buyers to gather information on their needs related to environmentally preferable purchasing (EPP). The purpose of the survey was to gauge the interest, experience, and comfort levels of State agency procurement staff with Maryland's "green" purchasing policies, programs and practices.

The survey was distributed to all State of Maryland's Senior Procurement Officers. Twenty-seven individuals completed the survey. Notably, most respondents indicated both a high level of interest in EPP and a lack of knowledge of existing specifications or resources. Respondents also revealed the need for additional green purchasing guides, specifications, and training opportunities. Due to the limited number of respondents, the Committee will reissue the survey in hopes of receiving a wider response. Successfully doing so will generate a more representative data set that can be better used to inform and guide the Committee when designing future EPP outreach and educational initiatives.

NASPO Green Purchasing Technical Assistance Grant

In the spring of 2019, the National Association of State Procurement Officials (NASPO) awarded DGS a \$10,000 Green Purchasing Technical Assistance Grant to assist with refreshing the efforts of the Maryland Green Purchasing Committee. Funds from the grant will be utilized through FY 2020 to access the expertise of a consultant at the Responsible Purchasing Network.

The primary goal of the NASPO-funded project will be to develop a *Green Purchasing Action Plan* for the State of Maryland. Program design recommendations, sustainable purchasing tools, and a project report will be developed using these funds by December 31, 2019.



Deliverable	Description of Deliverable	Due Date
1	Sustainable Purchasing Program Design Recommendations (based on State of Maryland Employee Survey and State Green Purchasing Program Benchmarking Assessment)	August 30, 2019
2	Sustainable Purchasing Tools (including boilerplate language, procurement checklist, and reporting template)	September 30, 2019
3	Green Purchasing Action Plan (including identification of priority initiatives and accompanying specifications)	October 30, 2019
4	Project Report (including webinar presentation to MD Green Purchasing Committee)	November 15, 2019

Exhibit 3 Project deliverables to be produced by Responsible Purchasing Network and finalized by the GPC in FY 2020.

Sustainable Procurement Training

On May 16, 2019, the Green Electronics Council (GEC) partnered with the Green Purchasing Committee to provide a training titled, “Sustainable Procurement: Considerations and Best Practices for the State of Maryland.”



5 Jonathan Rifkin and Cara Beatty of the Green Electronics Council conduct training on Sustainable Procurement.

The half-day program provided a thorough introduction to the principles of sustainable procurement. Topics covered included:

- Understanding the added value of sustainable purchasing;
- Organizational considerations and buy-in;
- Commodity prioritization, specification development, and the power of the ecolabel;
- Embedding sustainability into the procurement process; and
- Maintaining a sustainable purchasing program.

Feedback on the event was positive and the Committee looks forward to offering more training opportunities in the future.

Environmentally Preferable Purchasing Report, FY 2019

Environmentally Preferable Purchasing (EPP)

Maryland's State Finance & Procurement Article §14-410 defines environmentally preferable purchasing (EPP) as the procurement or acquisition of goods and services that have a lesser or reduced effect on human health and the environment when compared with competing goods or services that serve the same purpose.

This includes considerations based on:

- raw materials
- manufacturing
- packaging and distribution
- use, operation and maintenance
- refuse and disposal

*In FY 2019, Maryland's EPP
totaled more than
\$32.3 Million*

Environmentally preferable products contain recycled content, conserve energy or water, reduce greenhouse gas emissions, minimize waste, lessen negative impacts to human health, or use fewer toxic materials than conventional products.

In FY 2019, environmentally preferable purchasing by Maryland State agencies totaled **\$32,339,005**.

Methodology

This year, the Responsible Purchasing Network helped DGS develop reporting templates to collect detailed green spend data directly from vendors holding targeted contracts with the State.¹ The templates were tailored to the following categories: Office Supplies, Janitorial Supplies, IT Equipment, Paints and Coatings, and Food Service Supplies. Sample templates are included in Appendix A. Data collected from these templates were then compiled to calculate the State's total EPP spend and percentage of EPP spend per category.

The total EPP spend figure includes:

- Commodities that have been awarded one or more accepted ecolabel for that category (e.g., Green Seal, Safer Choice or UL EcoLogo for cleaning and floor maintenance chemicals, sanitary paper products, and hand soaps; Biodegradable Products Institute (BPI) for compostable food service ware or bags; ENERGY STAR for appliances and lighting equipment; Forest Stewardship

¹ Twenty Statewide contracts were identified by the Responsible Purchasing Network and the Green Purchasing Committee to collect data on EPP spend. Vendors that were solicited for green spend data include: Acme Paper, AJ Stationers, Applied Technology Services, Blind Industries of Maryland, Canon, Cartridge Plus, Fastenal, FPC Holdings, Graybar, Maryland Correctional Enterprises, MEDI, PPG Architectural Finishes, RGH, Ricoh, Rudolph's Office and Computer, Sharp, Toshiba, United Business Technologies, W. W. Grainger, and Xerox.

Council (FSC) for paper or wood products; ACMI Approved Product for markers and other office supplies; and EPEAT for computers, copiers and other types of IT equipment);

- Office supplies (e.g., copy paper, envelopes, file folders, mailing labels, notepads, pens, sticky notes, toner and ink cartridges, and trash bags) that meet or exceed the US EPA's Comprehensive Procurement Guidelines for recycled content OR that include at least 30% post-consumer recycled content (PCRC) or at least 50% total recycled content;
- Toner and ink cartridges that are remanufactured or labeled "high yield";
- Rechargeable batteries;
- Recycling containers or kits;
- Furniture that is SCS Indoor Advantage Gold or UL Greenguard certified;
- LEDs (lamps, fixtures, flashlights, etc.);
- Solar-powered calculators; and
- Renewable electricity including power that is wind- or solar-generated.

The increase in total EPP in FY 2019 compared to FY 2018 is due in part to the inclusion of renewable energy as EPP in this year's report. The increase in EPP in other categories is due in part to a better and more detailed data set, which was secured from the State's approved vendors, rather than the State's procurement system. This data collection method enabled the Green Purchasing Committee to identify and report on the State's green spend more accurately. Moving forward, the Green Purchasing Committee will develop goals based on FY 2019 data as a baseline and further refine our data collection methods. For example:

- The Committee will work with vendors to collect green spend data quarterly so that verification can be completed on an ongoing basis throughout the year;
 - The Committee will interview vendors to understand their reporting challenges and solicit their suggestions for how reporting could be made easier and more accurate;
 - The Committee will consider boilerplate reporting requirements so that additional green spend data can be collected; and
 - The Green Purchasing Committee will pursue possibilities of tracking purchases in the new eMaryland Marketplace Advantage (eMMA) platform beginning in FY 2021.
-

FY 2019 Environmentally Preferable Purchasing Summary

Below is a table summarizing data provided by vendors providing EPPs to the State of Maryland, by category. The table shows total spend, EPP spend and EPPs as a percentage of total spend for each vendor.

Vendor Name	Product Categories	Total Spend	Total Green Spend	% Green Spend
Acme Paper	Food Service	\$1,289,478.00	\$362,945.47	28.15%
AJ Stationers	Office Supplies	\$2,851,446.66	\$933,598.72	32.74%
Blind Industries of Maryland (BISM)	Office Supplies, Food Service, Janitorial Supplies	\$10,674,704.62	\$7,163,919.37	67.11%
Cartridge Plus	Office Supplies	\$319,172.83	\$28,904.44	9.06%
Fastenal	Office Supplies, Janitorial Supplies, Paints and Coatings	\$478,279.39	\$17,558.21	3.67%
FPC Holdings	Food Service	\$864,165.22	\$5,702.51	0.66%
Graybar	Office Supplies	\$1,159,400.53	\$144,709.88	12.48%
Maryland Correctional Enterprises (MCE)	Office Supplies, Furniture	\$51,598,518.72	\$2,031,221.70	3.94%
RGH Enterprises Inc	Office Supplies, IT Equipment	\$4,262,608.66	\$471,323.44	11.06%
Ricoh	Office Supplies	\$619,945.68	\$462,533.38	74.61%
Rudolph's Office and Computer	Office Supplies	\$936,945.20	\$100,705.76	10.75%
Sharp	IT Equipment	\$799,800.72	\$667,237.17	83.43%
United Business Technologies	IT Equipment	\$614,241.45	\$614,241.45	100.00%
W. W. Grainger	Janitorial Supplies, Office Supplies, Paints and Coatings	\$761,731.51	\$493,721.40	64.82%
Xerox	IT Equipment	\$140,802.92	\$131,384.44	93.31%
Totals		\$77,371,242.11	\$13,629,707.34	17.62%

Exhibit 4 Summary of Vendor EPP in FY 2019, excluding renewable energy

Sales of EPPs from the reporting vendors was \$13,629,707, with EPPs representing 17.62% of those vendors' cumulative total sales. Several vendors were unable to supply data this year.² As a result, actual sales of EPPs by the State of Maryland is expected to be even higher.

Renewable Energy



6 Image via Wikimedia Commons, Desmond1234 [CC BY-SA 4.0] (<https://creativecommons.org/licenses/by-sa/4.0/>)

Through a DGS and USM managed initiative, the State of Maryland purchased renewable power from two large wind installations and a solar installation, utilizing three 20-year Power Purchase Agreements (PPAs): Mount St. Mary's Solar (MSM); Roth Rock Wind; and Pinnacle Wind.

In FY 2019, the State of Maryland spent \$18.7 million on renewable electricity.

These purchases helped the State meet its Renewable Portfolio Standard (RPS) obligation; however, it is anticipated that additional purchases will be required to meet new, higher RPS requirements in the future.

PPA	Total Generation (MWH)	Total Expenditure (\$)
Mount St. Mary's (Solar)	18,936	\$ 3,950,227
Pinnacle (Wind)	157,076	\$ 12,309,486
Roth Rock (Wind)	26,952	\$ 2,449,583
Totals	202,963	\$ 18,709,298

Exhibit 5 FY 2019 Generating Clean Horizons – Renewable Energy generation and expenditures

Renewable energy accounted for 13.2% of the electricity for State operations in FY 2019. It enabled the State to prevent approximately 143,526 Metric Tons of carbon dioxide equivalent (CO₂e) from entering the atmosphere. This is the equivalent of taking 30,473 passenger vehicles off the road for one year.³

² Green spend data and/or total spend data was unavailable for the following vendors: Applied Technology Services, Canon, MEDI, PPG Architectural Finishes, and Toshiba.

³ Calculated using EPA Greenhouse Gas Equivalencies Calculator, <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

The following chart shows a breakdown of the FY 2019 total green spend, by commodity category.

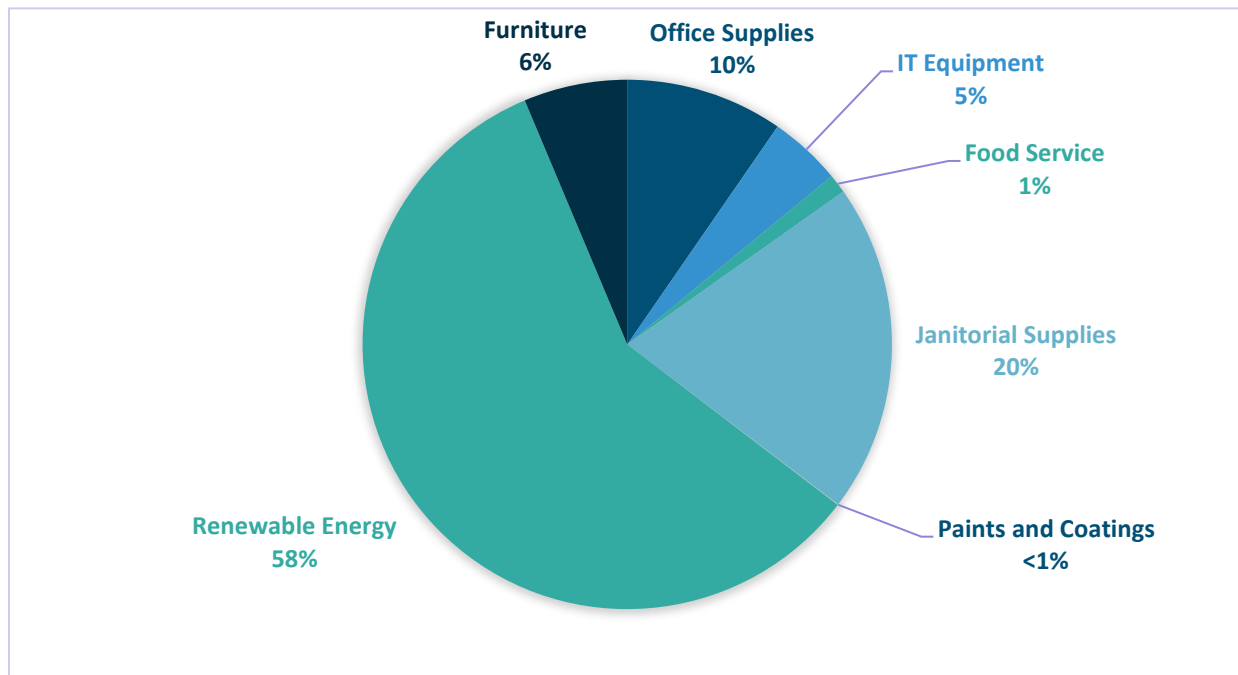


Exhibit 6 FY2019 EPP Spend by Category

Environmental Certifications and Other Ecolabels

To verify the environmental attributes of the products and services procured by the State, the Committee asked vendors to identify applicable third-party environmental certifications (i.e., ecolabels) as well as verifiable environmental attributes (e.g., percentage of post-consumer recycled content) that are listed in the GPC-approved specifications for each targeted product category. For instance, is a food container certified compostable by the Biodegradable Products Institute (BPI)? Is a lighting fixture on the ENERGY STAR list, which means it will save a significant amount of energy and money?

Environmental certifications hold the manufacturers accountable by requiring transparency in production processes, while reassuring customers that the product or service will result in important environmental and health benefits, and that “green-washing” (i.e., false or unsubstantiated claims) is avoided. These certifications enable the product to be evaluated and compared by specifiers and other purchasing agents on a standardized basis.

EPEAT (“Electronic Product Environmental Assessment Tool”) is the leading global ecolabel for information technology and is an approved ecolabel by the Maryland Green Purchasing Committee.

In FY 2019, the State of Maryland procured EPEAT Gold- and Silver-certified information technology and equipment totaling \$1,882,739. Items include copiers, printers, and scanners.

The Committee has identified credible ecolabels/certifications and other verifiable environmental/health attributes for each product and service category covered under its specifications – as seen in the table (Exhibit 7) below. In the future, the Committee will continue to encourage State employees to procure products and services that have earned relevant and meaningful ecolabels and add new ecolabels as deemed necessary.

Federal Surplus Property Program

Through the Federal Surplus Property Program, managed by the Department of General Services, the State acquired surplus furniture, electronics, vehicles, and other tools, machinery, and equipment no longer needed by the Federal Government. By doing so, we are able to divert these products from the landfill and thereby extend their lifespan.

In addition, the production of new supplies is highly resource and energy intensive. By reusing and repurposing these materials, the State of Maryland reduced the consumption of additional resources to create these products. Maryland's active involvement in the Federal Surplus Property Program also reduced its expenditures (because these items are available free of charge), shifting that spend to other beneficial programs and initiatives.

Agency	Property Received from Federal Government in FY 2019	Value (\$)
Department of General Services	Office furniture	\$73,569.00
Department of Public Safety and Correctional Services	Office furniture	\$11,070.00
Maryland Department of Health	Sharps kits	\$3,708,999.36
Maryland State Board of Elections	Office furniture	\$1,940.00
Total		\$3,795,578.36

Exhibit 7 FY 2019 Property received by State Agencies from Federal Government for reuse, averting need to procure new property.











































	Food Service	IT Equipment	Janitorial Supplies	Office Supplies	Paints + Coatings
ACMI Approved Product					
Biodegradable Products Institute					
Business and Industry Furniture Manufacturers Association Level					
Carpet and Rug Institute (CRI) Green Label Plus					
Cedar Grove/Compost Manufacturers Alliance					
Cradle to Cradle (Silver or Higher)					
ENERGY STAR					
EPEAT					
Fair Trade Certified					
Forest Stewardship Council					
Green Seal					
Greenwise Standard					
MPI Green Performance Standards					
Rainforest Alliance					
RoHS Compliant					
Safer Choice					
Scientific Certification Systems Indoor Advantage Gold					
UL ECOLOGO					
UL GREENGUARD Gold					
USDA Biobased					

Exhibit 8 Ecolabels by category

Looking Ahead

The Maryland Green Purchasing Committee has established several priorities for the Fiscal Year 2020, outlined below.



Revised Web Presence

The Committee recognizes that its online presence needs revising in order to remain an up-to-date and accurate resource for State agencies and others looking for information on green purchasing. In FY 2020, the Committee will update its website language and content and look for opportunities to make the website more user-friendly. A Communications Sub-Committee (with support from the Responsible Purchasing Network) will review and generate recommendations for updating the site.

Green Purchasing Action Plan

The Committee will synthesize recommendations from the Responsible Purchasing Network with internal efforts to produce a *Green Purchasing Action Plan* for the State of Maryland. This document will guide the Committee's vision, strategy, sustainable procurement priorities, and reporting methods.



Prioritized Contracts

The Committee will review high-priority contracts identified in the Action Plan that are nearing expiration and identify opportunities to develop green specifications and reference them in solicitation and other contract documents.

The following contracts have been identified as priorities in FY 2020:

- Fleet Vehicles – to ensure electric and plug-in hybrid options are available on State contracts.
- Food Service Ware – to comply with the ban on expanded polystyrene⁴ by adding green alternatives to new contracts.
- Janitorial service agreements – to meet the State's existing specifications.
- *Additional contracts will be added as they are identified.*

Specifications

Since 2010, the Maryland Green Purchasing Committee has produced and made available several specifications for environmentally preferable goods and services. Existing commodity and service specifications include:

- Appliances and Heating & Cooling Equipment

⁴ Chapter 580 (Senate Bill 285), Environment – Expanded Polystyrene Food Service Products – Prohibitions

- Electronic and IT Products
- Electronic Product Disposal
- Food Service Supplies
- Janitorial Services
- Janitorial Supplies
- Lighting Products
- Organics Recycling
- Paint
- Paper and Office Supplies
- Shell Eggs
- Snow and Ice Control

In FY 2020, the Committee will develop new specifications for product categories identified in the Action Plan. On an ongoing basis, the Committee will revisit existing specification to ensure they are up to date, relevant, and achievable. The Committee will work with subject matter experts on developing new specifications and updating existing ones as needed.

Electric Vehicles



The Committee will encourage the procurement of Electric Vehicles wherever feasible and will work to educate State Agencies on the benefits of and processes for procuring EV and Electric Vehicle Charging Stations, where possible. An Ad-hoc Sub-Committee has been formed to begin work on this initiative.

Data Collection & Reporting

Data is critical to Maryland's ability to track, measure, and report on EPP. The Committee will work to refine data collection and reporting methods and will work with targeted vendors to collect and verify data throughout the year.

Acknowledgements

The Maryland Green Purchasing Committee would like to thank Maryland leadership for their support, our membership for their dedicated efforts, and vendors for their cooperation and assistance with data requests. The Responsible Purchasing Network lent subject matter expertise and technical assistance that was possible through a NASPO Green Purchasing Technical Assistance grant.










Appendices

Appendix A: Green Purchasing Committee Members/Designees & Participants






Department	Members/Designees & Participating Staff
General Services (Chair)	<p>Ellington Churchill, Jr. Secretary</p> <p>Emily Soontornsaratool (Designee) Chief, Energy Data Management & Sustainability Initiatives 410-767-3061, Emily.Soontornsaratool@maryland.gov</p> <p>Kshirajaa Ramesh (Staff) Sustainability Coordinator 410-767-4970, Kshirajaa.Ramesh@maryland.gov</p> <p>Allegra Daye Procurement Officer, Lead 410-767-4032, Allegra.Daye1@maryland.gov</p> <p>Calvin Gladden, II Program Manager 410-767-4281, Calvin.Gladden@maryland.gov</p> <p>Eric Lomboy Assistant Secretary, Procurement & Logistics Division 410-767-7522, Eric.Lomboy@maryland.gov</p> <p>Ellen Robertson Legislative Liaison 410-260-2908, Ellen.Robertson@maryland.gov</p>
Budget and Management	<p>Joseph Consoli (Designee) Fleet & Travel Administrator 410-260-7195, Joseph.Consoli@maryland.gov</p>
Natural Resources	<p>Mary Huffman (Designee) Procurement Specialist II 410-260-8056, Mary.Huffman@maryland.gov</p>
Environment	<p>Dinesh Gandhi (Designee) Procurement Officer 410-537-3872, Dinesh.Gandhi@maryland.gov</p> <p>Shareda Holifield Procurement Officer 410-537-3075, Shareda.Holifield@maryland.gov</p> <p>Jane Noble Procurement Officer 410-537-3079, Jane.Noble@maryland.gov</p>

Health and Mental Hygiene	Patrice Johnson (Designee) Office of Procurement and Support Services 410-767-6839, Patrice.Johnson@maryland.gov
Transportation	Eddie Lukemire (Designee) Program Manager 410-865-2770, ELukemire@mdot.maryland.gov
Public Safety and Correctional Services	Joseph O. Eccleston IV (Designee) Procurement Administrator 410-339-5963, josepho.eccleston@maryland.gov
University System of Maryland	Thomas P. Hickey (Designee) Director of Procurement 410-576-5736, thickey@usmd.edu
State Treasurer	Joanna Kille (Designee) Board of Public Works Liaison 410-260-7588, jkille@treasurer.state.md.us
Information Technology	Carla Thompson (Designee) MBE, SBR Coordinator 410-697-9667, carla.thompson@maryland.gov









Food Service




											
Biodegradable Products Institute (BPI) (Yes, No or NA)	Cedar Grove/Compost Manufacturers Alliance Approved (Yes, No or NA)	FOREST STEWARDSHIP COUNCIL (FSC) (Yes, No or NA)	GREEN SEAL (Yes, No or NA)	SAFER CHOICE (Yes, No or NA)	UL ECOLOGO (Yes, No or NA)	OTHER Green Certifications (List)	% Post-Consumer RECYCLED CONTENT	% Total RECYCLED CONTENT	REUSABLE (Yes, No or NA)	On US EPA Design for Environment's Safer Anti-microbials List (e.g., Hydrogen Peroxide, Citric Acid and Lactic Acid)	OTHER Environmental Attributes (List)
APPLICABLE PRODUCTS: Bowls, Cups, Cutlery, Food Service Wraps and Bags, Gloves, Lids, Plates, Stir Sticks, Straws, Takeout Containers, Trays, etc.	APPLICABLE PRODUCTS: Bowls, Cups, Cutlery, Food Service Wraps and Bags, Gloves, Lids, Plates, Stir Sticks, Straws, Takeout Containers, Trays, etc.	APPLICABLE PRODUCTS: Bowls, Cups, Cutlery, Food Service Wraps and Bags, Lids, Napkins, Plates, Straws, Takeout Containers, Trays, etc.	APPLICABLE PRODUCTS: Napkins	APPLICABLE PRODUCTS: None	APPLICABLE PRODUCTS: Napkins	APPLICABLE PRODUCTS: Various Food Service Products	APPLICABLE PRODUCTS: Bowls, Cups, Cutlery, Food Service Wraps and Bags, Lids, Plates, Stir Sticks, Straws, Takeout Containers, Trays, etc.	APPLICABLE PRODUCTS: Bowls, Cups, Cutlery, Food Service Wraps and Bags, Lids, Plates, Stir Sticks, Straws, Takeout Containers, Trays, etc.	APPLICABLE PRODUCTS: Reusable Bowls, Cups, Cutlery, Food Storage Containers, Napkins, Plates, Trays, Water Bottles, etc.	APPLICABLE PRODUCTS: None	APPLICABLE PRODUCTS: Various Food Service Products
Report Compostable Trash Bags in JANITORIAL SUPPLIES tab.	Report Compostable Trash Bags in JANITORIAL SUPPLIES tab.	Report Janitorial Paper Products in JANITORIAL SUPPLIES Tab. Report	Report Cleaning Chemicals, Degreasers, Dish Detergents, Hand Soaps, and Janitorial Paper Products in JANITORIAL SUPPLIES Tab.	Report Cleaning Chemicals, Degreasers, Dish Detergents, Drain Maintainers, and Hand Soaps in JANITORIAL SUPPLIES Tab.	Report Cleaning Chemicals, Degreasers, Dish Detergents, Hand Soaps, Janitorial Paper Products and Trash Bags in JANITORIAL SUPPLIES Tab.		Report Janitorial Paper Products and Trash Bags in JANITORIAL SUPPLIES Tab. Report	Report Janitorial Paper Products and Trash Bags in JANITORIAL SUPPLIES Tab. Report	Report Reusable Cleaning Wipes in JANITORIAL SUPPLIES tab.	Report Surface Disinfectants and Cleaners in JANITORIAL SUPPLIES tab.	Report Cleaning Chemicals in JANITORIAL SUPPLIES tab.

IT Equipment












						
ENERGY STAR (Yes, No or NA)	EPEAT (Bronze, Silver, Gold, No or NA)	OTHER Green Certifications (List)	% Post-Consumer RECYCLED CONTENT	% Total RECYCLED CONTENT	RoHS-Compliant (Yes, No or NA)	OTHER Environmental Attributes (List)
APPLICABLE PRODUCTS: Audio/Visual Equipment, Computers, Data Center Storage, Displays/Monitors, Enterprise Servers, Imaging Equipment, Network Equipment, Set-Top Boxes, Telephones, TVs, Uninterruptible Power Systems (UPS), etc.	APPLICABLE PRODUCTS: Computers (e.g., Desktops, Notebooks, Tablets), Imaging Equipment (e.g., Copiers, Multifunction Devices, Printers, etc.), Mobile Phones, Monitors, Servers, TVs, etc.	APPLICABLE PRODUCTS: All IT Equipment.	APPLICABLE PRODUCTS: All IT Equipment.	APPLICABLE PRODUCTS: All IT Equipment.	APPLICABLE PRODUCTS: All IT Equipment.	APPLICABLE PRODUCTS: All IT Equipment.
Note: Many EPEAT-Registered IT products are ENERGY STAR-certified.			Report recycled-content and remanufactured toner cartridges in OFFICE SUPPLIES tab.	Report recycled-content and remanufactured toner cartridges in OFFICE SUPPLIES tab.	Note: Many EPEAT-Registered IT products are RoHS-compliant.	








Janitorial Supplies

								
Biodegradable Products Institute (BPI) (Yes, No or NA)	Carpet and Rug Institute (CRI) GREEN LABEL Plus	CRADLE TO CRADLE (Silver, Gold, Platinum, No or NA)	FOREST STEWARDSHIP COUNCIL (FSC) (Yes, No or NA)	GREEN SEAL (Yes, No or NA)	SAFER CHOICE (Yes, No or NA)	UL ECOLOGO (Yes, No or NA)	USDA BIOBASED Certified (Yes, No or NA)	OTHER Green Certifications (List)
APPLICABLE PRODUCTS: Compostable Bags	APPLICABLE PRODUCTS: Carpet Cleaning Equipment (e.g., Vacuum cleaners)	APPLICABLE PRODUCTS: Cleaning Chemicals, Dish Detergents, Hand Soaps, Furniture Cleaners/Polishes, Laundry Detergents, Metal Cleaners/Polishes, Paper Bags and Boxes, etc.	APPLICABLE PRODUCTS: Janitorial Paper Products (e.g., Paper Towels, Toilet Paper, Seat Covers, etc.), Paper Bags and Boxes	APPLICABLE PRODUCTS: Cleaning Chemicals, Degreasers, Dish Detergents, Drain Maintainers Floor Maintenance Chemicals, Hand Soaps, Janitorial Paper Products, Laundry Detergents, etc.	APPLICABLE PRODUCTS: Cleaning Chemicals and Wipes, Degreasers, Dish Detergents, Drain Maintainers, Floor Maintenance Chemicals, Furniture Cleaners and Polishes, Hand Soaps, Laundry Detergents, Metal Cleaners and Polishes,	APPLICABLE PRODUCTS: Cleaning Chemicals, Dish Detergents, Hand Soaps and Hand Sanitizers, Janitorial Paper Products, Trash Bags, etc. (See also OFFICE SUPPLIES Tab)	APPLICABLE PRODUCTS: Cleaning Chemicals, Compostable Bags, Degreasers, Hand Soaps and Sanitizers, Sponges and Scrubbers	ALL













					
% Post-Consumer RECYCLED CONTENT	% Total RECYCLED CONTENT	US EPA Compliant for Recycled Content (Yes, No or NA)	REUSABLE (Yes, No or NA)	On US EPA Design for Environment's Safer Anti-microbials List (e.g., Hydrogen Peroxide, Citric Acid and Lactic Acid)	OTHER Environmental Attributes (List)
APPLICABLE PRODUCTS: Janitorial Paper Products, Recycling Bins, Trash Bags, Paper Bags and Boxes	APPLICABLE PRODUCTS: Janitorial Paper Products, Recycling Bins, Trash Bags, Paper Bags and Boxes	APPLICABLE PRODUCTS: Copy Paper, Janitorial Paper Products, Notebooks and Note Pads, Office Organizers, Office Paper, Pens, Recycling Bins, Sticky Notes, Trash Bags, etc.	APPLICABLE PRODUCTS: Rechargeable Batteries, Cleaning Cloths	APPLICABLE PRODUCTS: Surface Disinfectants and Non-Food-Contact Surface Sanitizer	ALL

Office Supplies

										
Creative Material Institute (ACMI) Approved Product (Yes, No or NA)	BIFMA (Business and Industry Manufacturers Association) LEVEL (Level 1, 2, 3, No or NA)	Biodegradable Products Institute (BPI) (Yes, No or NA)	CRADLE TO CRADLE (Silver, Gold, Platinum, No or NA)	ENERGY STAR (Yes, No or NA)	EPEAT (Bronze, Silver, Gold, No or NA)	FAIR TRADE Certified (Yes, No or NA)	FOREST STEWARDSHIP COUNCIL (FSC) (Yes, No or NA)	GREEN SEAL (Yes, No or NA)	RAINFORREST ALLIANCE Certified (Yes, No or NA)	SAFER CHOICE (Yes, No or NA)
APPLICABLE PRODUCTS: Adhesives, Art Supplies, Markers, Whiteboard Cleaners, etc.	APPLICABLE PRODUCTS: Book Cases, Carts, Chairs, Desks, Tables, Filing and Storage Cabinets, and Other Types of Furniture.	APPLICABLE PRODUCTS: None	APPLICABLE PRODUCTS: Pens and Pencils, Whiteboards and Easels, etc.	APPLICABLE PRODUCTS: Air Conditioners and Purifiers, Appliances, Dehumidifiers, Desk Lamps, Fans, LED Light Bulbs, Routers, Uninterruptible Power Supplies, Water Coolers, etc.	APPLICABLE PRODUCTS: None	APPLICABLE PRODUCTS: Coffee, Tea, Chocolate, Cocoa, Sugar, etc.	APPLICABLE PRODUCTS: Copy Paper, Office Paper, Envelopes, File Folders, Mailing Labels, Notebooks and Note pads, Pencils, Printing and Writing Paper, Sticky Notes, Storage Boxes, etc.	APPLICABLE PRODUCTS: Copy Paper, Office Paper, Envelopes, File Folders, Mailing Labels, Note Pads, Notebooks, Pencils, Printing and Writing Paper, Sticky Notes, Storage Boxes, etc.	APPLICABLE PRODUCTS: Copy Paper, Office Paper, Envelopes, File Folders, Mailing Labels, Note Pads, Notebooks, Pencils, Printing and Writing Paper, Sticky Notes, Storage Boxes, etc.	APPLICABLE PRODUCTS: Electronics and Whiteboard Cleaners, etc.
		Report Compostable Bags in JANITORIAL SUPPLIES Tab. Report Compostable Food Service Ware in FOOD SERVICE Tab.	Report Cleaning Chemicals and Hand Soaps in JANITORIAL SUPPLIES Tab.	Report Computers, Copiers, Laptops, Monitors, Printers, and Other IT Equipment in IT EQUIPMENT Tab.	Report computers, copiers, laptops, mobile phones, monitors, multifunction devices, printers, TVs, and other IT Equipment in IT EQUIPMENT Tab.		Report Janitorial Paper Products in JANITORIAL SUPPLIES Tab. Report Napkins, Paper Cups and Plates, Wooden Stir Sticks, and Other Food Service Items in FOOD SERVICE Tab.	Report Cleaning Chemicals, Hand Soaps and Janitorial Paper Products in JANITORIAL SUPPLIES Tab.	Report Janitorial Paper Products in JANITORIAL SUPPLIES Tab. Report Napkins, Paper Cups and Plates, Wooden Stir Sticks, and Other Food Service Items in FOOD SERVICE Tab.	Report Other Types of Cleaners, Dish and Laundry Detergents, Hand Soaps and Sanitizers, and Snow and Ice Melt Products in JANITORIAL SUPPLIES Tab.

 <u>Scientific Certification Systems (SCS)</u> <u>Indoor Advantage Gold -- Low-Emitting Certification (Yes, No or NA)</u>	 <u>UL ECOLOGO</u> <u>(Yes, No or NA)</u>	 <u>UL GREENGUARD</u> <u>Gold -- Low-Emitting Certification (Yes, No or NA)</u>	 OTHER Green Certifications (List)	 % Post-Consumer RECYCLED CONTENT	 % Total RECYCLED CONTENT	 US EPA Compliant for Recycled Content (Yes, No or NA)	REUSABLE (Yes, No or NA)	On US EPA Design for Environment's Safer Anti-microbials List (e.g., Hydrogen Peroxide, Citric Acid and Lactic Acid)	OTHER Environmental Attributes (List)
APPLICABLE PRODUCTS: Book Cases, Chairs, Carts, Desks, Tables, Filing and Storage Cabinets, and Other Types of Furniture, etc.	APPLICABLE PRODUCTS: Copy Paper, Office Paper, Toner Cartridges, Whiteboard Cleaners; etc.	APPLICABLE PRODUCTS: Adhesives, Carts, Chairs, Filing and Storage Cabinets, Furniture, Tables and Other Types of Furniture, Whiteboards, etc.	APPLICABLE PRODUCTS: Various Office Supplies	PRODUCTS: Binders, Calendars, Cardboard Boxes, Chair Mats, Clipboards, Copy Paper, Dividers, Easel Pads, Envelopes, File Folders, Ink Cartridges, Mailing Labels, Note Pads, Notebooks, Office Organizers, Pens and Pencils, Printing and Writing Paper, Sticky	PRODUCTS: Binders, Calendars, Cardboard Boxes, Chair Mats, Clipboards, Copy Paper, Dividers, Easel Pads, Envelopes, File Folders, Ink Cartridges, Mailing Labels, Note Pads, Notebooks, Office Organizers, Pens and Pencils, Printing and Writing Paper, Sticky	APPLICABLE PRODUCTS: Binders, Calendars, Cardboard Boxes, Clipboards, Copy Paper, Dividers, Envelopes, File Folders, Mailing Labels, Note Pads, Notebooks, Office Organizers, Printing and Writing Paper, Sticky Notes, etc.	APPLICABLE PRODUCTS: Refillable Pens and Pencils, Remanufactured Toner and Ink Cartridges, Reusable Electronics Cleaners, Cleaning Clothes, etc.	APPLICABLE PRODUCTS: None.	APPLICABLE PRODUCTS: Various Office Supplies
	Report Other Types of Cleaners, Hand Soaps and Sanitizers, Janitorial Paper Products, and Trash Bags in JANITORIAL SUPPLIES Tab.	Report Cleaning Chemicals in JANITORIAL SUPPLIES Tab.	Report FOOD SERVICE WARE, IT EQUIPMENT, AND JANITORIAL SUPPLIES in Other Tabs.	Report Janitorial Paper Products, Recycling Bins, Trash Bags, Paper Bags and Boxes in JANITORIAL SUPPLIES Tab. Report Napkins, Paper Cups and Other Food Service Ware in FOOD SERVICE Tab.	Report Janitorial Paper Products, Recycling Bins, Trash Bags, Paper Bags and Boxes in JANITORIAL SUPPLIES Tab. Report Napkins, Paper Cups and Other Food Service Ware in FOOD SERVICE Tab.	Report Janitorial Paper Products, Recycling Bins, Trash Bags, Paper Bags and Boxes in JANITORIAL SUPPLIES Tab. Report Napkins, in FOOD SERVICE Tab.	Report Rechargeable Batteries in JANITORIAL SUPPLIES. Report REUSABLE Cups, Plates and Other Food Service Ware in FOOD SERVICE Tab.	Report Surface Disinfectants and Sanitizers in JANITORIAL SUPPLIES Tab.	Report FOOD SERVICE WARE, IT EQUIPMENT, AND JANITORIAL SUPPLIES in Other Tabs.

Paints and Coatings

  				   				 		
CRADLE TO CRADLE (Silver, Gold, Platinum, No or NA)	ENERGY STAR (Yes, No or NA)	GREEN SEAL (Yes, No or NA)	Greenwise (Standard, Gold, No, or NA)	Master Painters Institute (MPI) Green Performance Standards (Extreme Green, GPS-2, GPS-1, No or NA)	UL GREENGUARD Gold (Yes, No or NA)	UL ECOLOGO (Yes, No or NA)	OTHER Green Certifications (List)	% Post-Consumer RECYCLED CONTENT	% Total RECYCLED CONTENT	OTHER Environmental Attributes (List)
APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: Roof Coatings and Sealants	APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: Latex Paints and Primers, Other Architectural Coatings, etc.	APPLICABLE PRODUCTS: All Painting Supplies	APPLICABLE PRODUCTS: Latex Paints and Primers, Painting Supplies (Brushes, Tarps, Trays, etc.)	APPLICABLE PRODUCTS: Latex Paints and Primers, Painting Supplies (Brushes, Tarps, Trays, etc.)	APPLICABLE PRODUCTS: All Painting Supplies