



Maryland Green Purchasing Committee Approved Specification – Janitorial Supplies

HOW TO USE THIS DOCUMENT:

This document sets prohibitions and minimum requirements for janitorial supplies procured by the State of Maryland with which Contractors are required to comply. Contractors are required to follow and, when possible, exceed these standards in their product offerings to the maximum extent practicable where such products are cost competitive over the total lifecycle, and meet form, function and utility requirements.

PRODUCTS COVERED UNDER THIS SPECIFICATION:

1. Cleaning, Facility Maintenance Chemicals, Disinfectants and Sanitizers
2. Janitorial Supplies, Equipment and Service
3. Disposable Janitorial Paper Products
4. Powered Janitorial Equipment, Supplies and Service

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1. ENVIRONMENTALLY PREFERABLE PURCHASING: LEGISLATION, STATUTES, AND REGULATIONS

For Procurement Officers and Agencies

Environmentally Preferable Purchasing (COMAR: [21.11.07.09](#))

“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:

- (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.”

Mercury and Products that Contain Mercury (COMAR: [21.11.07.07](#))

“All procurement agencies shall give a 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.”

Low Noise Emission Products (Md. Code Ann., State Fin. & Proc. [§14-403](#))

“To the extent practicable, each unit of the State government shall buy or lease for use by the State government supplies that are the quietest available supplies. Supplies that are certified as low-noise-emission products under the federal Noise Control Act of 1972 are considered to meet [this requirement].”

For Contractors, Bidders, and Offerors

Verifying Environmental Claims (State Fin. & Proc. [§14-410](#))

“A bidder or offeror for a procurement contract shall certify in writing that any claims of environmental attributes made relating to a product or service are consistent with the Federal Trade Commission’s Guidelines for the Use of Environmental Marketing Terms.”

Limitations on Hazardous Substances (Md. Code Ann., Env’t, [§6-1201](#))

“A person may not manufacture, process, sell, or distribute in the State a new product or flame-retardant part of a new product that contains more than one-tenth of 1% of pentaBDE (pentabrominated diphenyl ether) or octaBDE (octabrominated diphenyl) by mass.”

Limitations and Prohibitions on Heavy Metals in Packaging (Env’t [§9-1902\(a\)-\(b\)](#))

“A manufacturer or distributor may not sell or offer for sale or for promotional purposes any package or packaging component or any product in a package or packaging component to which any of the following was intentionally added during manufacture or distribution: (1) Lead; (2) Cadmium; (3) Mercury; or (4) Hexavalent chromium.

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The sum of the concentration levels of lead, cadmium, mercury, and hexavalent chromium incidentally present in a package or packaging component may not exceed...100 parts per million by weight or 0.01%.”

2. PROHIBITED PRODUCTS

- 1) No products covered by this specification may be offered in aerosol containers.
- 2) Pursuant to Env’t, §§9–1901–1907, the Contractor is prohibited from offering or using packaging or packaging components (e.g. inks, dyes, pigments, adhesives, stabilizers, and additives) with lead, cadmium, mercury or hexavalent chromium at concentration levels exceeding 100 parts per million by weight or 0.01%.
- 3) Pursuant to Env’t, §§6–1201–1204, products containing more than one-tenth of 1% of pentaBDE, octaBDE, or decaBDE by mass are prohibited.
- 4) Pursuant to COMAR 21.11.07.07, offered products must not contain mercury.

3. MINIMUM REQUIREMENTS

The following list of criteria must be treated as minimum requirements for products and services procured by the State of Maryland, unless otherwise noted as desirable.

For sections or products labeled as desirable, procuring agencies are encouraged to consider including those criteria when drafting solicitations.

A. Cleaning and Facility Maintenance Chemicals

- 1) This sub-category includes a variety of chemical cleaners and facility maintenance products:

Product Type	What this sub-category includes:
<i>General Purpose Cleaners</i>	<i>All-purpose and multi-purpose cleaners, peroxide-based cleaners, etc.</i>
<i>Bathroom Cleaners, Non-disinfecting and Non-sanitizing Only</i>	<i>Non-disinfecting restroom cleaners; tub and tile cleaners; grout cleaners and whiteners; descalers; calcium, lime and rust removers; mold and mildew removers; and toilet/urinal cleaners and screens, etc.</i>
<i>Carpet, Rug and Upholstery Cleaners</i>	<i>Pre-spray, spot and stain removers, carpet shampoos, extraction cleaners, and bonnet cleaners, etc.</i>
<i>Degreasers</i>	<i>Cleaner-degreasers, enzymatic drain cleaners, grease trap cleaners, parts washers, etc.</i>
<i>Dishwashing Detergents</i>	<i>Ware washing detergents, rinse aids and softeners in both hand and automatic formulations in liquid, gel or powder form, etc.</i>
<i>Floor Cleaners</i>	<i>Neutral floor cleaners, dust and damp mop cleaners, etc.</i>
<i>Floor Maintenance Chemicals</i>	<i>Floor polishes and waxes, floor polish removers and strippers, floor maintainers and restorers, etc.</i>
<i>Glass Cleaners</i>	<i>Window, mirror and computer screen cleaners</i>
<i>Specialty Cleaners</i>	<i>Crème cleaners, furniture/wood cleaners/polishes, metal/stainless steel cleaners and polishes</i>

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<i>Laundry Detergents</i>	<i>Clothes washing detergents, whiteners, brighteners, spot removers, fabric softeners, etc.</i>
<i>Other:</i>	<i>Products listed Appendix 1: List of Products Covered by this Specification</i>

- 2) All products offered in this category must currently have one of the following certifications:
- Green Seal: <https://www.greenseal.org> (products may be viewed at <https://www.greenseal.org/certified-products-services>);
 - UL ECOLOGO: <https://www.ul.com/resources/ecologo-certification-program> (products may be viewed at <https://spot.ul.com>); or
 - US EPA Safer Choice: <https://www.epa.gov/saferchoice> (products may be viewed at <https://www.epa.gov/saferchoice/products>). This excludes all products where the parent company is overdue for their yearly partnership review and is identified with a double dagger (‡) next to the company name in the Safer Choice product list.

To verify compliance with the required certifications listed above, links to the certifier’s website, the [UL SPOT](#) website, or the [Ecomedes](#) website must be provided in the bid package.

- 3) All concentrated cleaners and floor maintenance chemicals must be available with a controlled-dose dispensing system (e.g., wall-mount or hand-held dilution equipment), in spill-resistant product packaging, or in a portion-control package or formulation (e.g., a bottle with a built-in pump that delivers an accurate dose, a tablet, or pre-measured package).
- a. Closed-Loop Dilution-Control Systems for concentrated general-purpose cleaners, glass cleaners, floor cleaners, and non-disinfecting bathroom cleaners, that have the following features are preferred:
- i) "Spill-resistant packaging" that requires coupling to a specially designed device to dispense the product.
 - ii) An inability to be "practically accessed" during routine use. The packaging must not allow for access or exposure to the concentrated product after opening a cap or lid, or before or while connecting to the dispensing system.
 - iii) A backflow prevention system that meets the current American Society of Sanitary Engineering (ASSE) 1055 standard.
- 4) The State encourages bidders to provide and install dispensers free of charge and bidders must provide information in their bid packages regarding their offering (i.e., whether the bidder will provide and install dispensers at no cost).

B. Disinfectants, Sanitizers, Food-Contact Surface Sanitizers

This category includes surface and laundry disinfectants that can kill COVID-19, bloodborne pathogens, mold and mildew, and other types of bacteria, viruses and fungi. It also includes food-contact and non-food-contact surface sanitizers.

This category excludes hand sanitizers and antimicrobial hand soaps as well as products that are designed to kill pathogens on medical instruments or equipment.

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- 1) All vendors that offer disinfectants and sanitizers must provide training to State representatives on the products they are providing.
 - a. Vendor training must promote pre-cleaning with a non-disinfecting certified “green” cleaner and promote limited targeted use of disinfectants and sanitizers to reduce toxic chemical exposures and lower costs.
 - b. Training must specify that hard surface disinfectants are not for use on soft surfaces such as upholstery and carpet, unless they are registered for such applications.
 - c. Training must clearly identify the surfaces that need to be disinfected (such as touch points) as well as those that do not and must reiterate the “clean” then sanitize or disinfect procedure.

- 2) All **surface and laundry disinfectants and non-food contact surface sanitizers**:
 - a. Must be Environmental Protection Agency or EPA (FIFRA) registered as a hard surface disinfectant or non-food-contact surface sanitizer. Antimicrobial mold and mildew cleaners must be EPA-registered as a fungicide against *Aspergillus niger* or as a mildewstat.
 - b. Must have an EPA registration number and bidder must agree to list the EPA registration number in its catalog.
 - c. May not contain known, suspected, reasonably anticipated, or probable human carcinogens per International Agency for Research on Cancer, National Toxicology Program or the State of California.
 - d. May not contain reproductive toxins per the State of California’s Prop 65 list (available at: <https://oehha.ca.gov/proposition-65/proposition-65-list>).
 - e. May not contain asthmagens per the Association of Occupational and Environmental Clinics (AOEC) List (<http://www.aoecdata.org/ExpCodeLookup.aspx>) with a G (Generally Accepted), Rs (Sensitizer), Rr (RADS), or Rrs (both) designation, except for food-contact surface sanitizers that may contain a combination of peroxyacetic acid and hydrogen peroxide (which is labeled as an asthmagen by the AOEC).
 - f. Must have their efficacy against bacteria, viruses and fungi listed in the bidder’s catalog.
 - g. Products may not contain nonyl phenol ethoxylate or another alkyl phenol ethoxylates (APEs).
 - h. Must adhere to the following list of prohibited and acceptable ingredients:

Prohibited “Ingredients” <i>(Includes active and non-active ingredients)</i>	Acceptable “Active Ingredients”
Chlorine Bleach (Sodium hypochlorite)	Caprylic acid
Hydrogen chloride (HCl)	Citric Acid
Phenols (e.g., Ortho-phenylphenol)	Dichloroisocyanurate (NaDCC: only food grade) with CAS #2893-78-9. Must be able to maintain a pH from 4-6.5 and only to be sold in tab form. NOTE: tabs

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	<i>must be used in the correct concentration and not be used in foggers or misters unless approved by EPA.</i>
Pine oil	Ethanol
Quaternary ammonium chloride compounds (e.g., Benzalkonium chloride, ADBACs, DDACs)	Glycolic Acid
Silver	Hydrogen peroxide (including Accelerated Hydrogen Peroxide)
	Hypochlorous Acid: in ready-to-use formulations only
	Isopropanol
	L-Lactic acid
	Sodium Chloride
	Thyme oil (Thymol)
	Peroxyacetic acid (Approved for food-contact surface sanitizers and laundry products ONLY)

- i. Must be available with a controlled-dose dispensing system (e.g., wall-mount or hand-held dilution equipment), in spill-resistant product packaging, or in a portion-control package or formulation (e.g., a bottle with a built-in pump that delivers an accurate dose, a tablet, or pre-measured package).
- 3) Closed-Loop Dilution-Control Systems with the following features are preferred:
- a. The container must have "spill-resistant packaging" that requires coupling to a specially designed device in order to dispense the product.
 - b. The container must not be able to be "practically accessed" during routine use. The packaging must not allow for access or exposure to the concentrated product after opening a cap or lid, or before or while connecting to the dispensing system.
 - c. The container must contain a backflow prevention system that meets the current American Society of Sanitary Engineering (ASSE) 1055 standard.
- 4) The State encourages bidders to provide and install dispensers free of charge and bidders must provide information in their bid packages regarding their offering (i.e., whether the bidder is offering to provide and install dispensers at no cost).
- 5) **Desirable:** It is desirable to offer:
- a. A variety of different types of broad-spectrum disinfectants and at least one brand that is effective against several key pathogens (e.g., COVID-19, bloodborne pathogens, athlete foot fungus, and other types of bacteria, viruses and fungi); and
 - b. Products with Third-party certification by Green Seal or EPA's Design for the Environment Program (DfE).

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C. Cleaning Supplies, Equipment and Service

This sub-category includes batteries and battery chargers, brooms, mops, sorbents, sponges and scrubbers, wastebaskets and recycling containers, cloth wiping rags, personal protective equipment, and other janitorial products.

1) Batteries and Battery Chargers

- a. If the bidder offers rechargeable batteries on this contract, then the Bidder must also offer at least one charger that can accommodate the offered battery.
- b. Offered batteries must meet the following criteria:
 - i. Batteries in sizes AAA, AA, C, D and 9V must not contain Ni-Cd, mercury, or lead.
 - ii. All batteries must be either rechargeable NiMH or rechargeable/non-rechargeable Lithium-Ion batteries.
 - iii. All NiMH rechargeable batteries must have a minimum power rating in milliamp hours (mAh)* as follows:
 - o AAA batteries (including low-self-discharge/pre-charged rechargeable batteries): 800 mAh
 - o AA batteries (including low-self-discharge/pre-charged rechargeable batteries): 2300 mAh
 - o C batteries (including low-self-discharge/pre-charged rechargeable batteries): 5000 mAh
 - o D batteries (including low-self-discharge/pre-charged rechargeable batteries): 10,000 mAh
 - o 9-volt batteries (including low-self-discharge/pre-charged rechargeable batteries): 175 mAh
- c. For regular batteries, vendors must offer a battery recycling program and describe such program in their bid package. It is desirable to offer a battery recycling program for free.
- d. Rechargeable Batteries and Chargers:
 - i. Chargers must be UL listed for shock resistance.
 - ii. Bidders must offer a rechargeable battery collection system, whether it is a third-party system or their own.
 - iii. The State prefers that bidders offer RoHS-compliant chargers.

**Milliamp hours (mAh) is a unit for measuring electric power over time. mAh is commonly used to describe the total amount of energy a battery can store at one time. A higher mAh rating means the (fully charged) battery can power a device that consumes more power and/or for a longer amount of time before becoming depleted and needing to be re-charged.*

2) Brooms

- a. Broom handles, attached or purchased separately, must be made of wood, metal, or plastic and must not contain polyvinyl chloride (PVC).

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- b. No feather dusters allowed.
- c. **Desirable:** It is desirable to offer brooms made of plant-based material (except for binding materials and coatings) and recycled content.

NOTE: The State of Maryland reserves the right to prohibit from the Contract any brooms that contain wood that is endangered or threatened endangered according to the Convention on International Trade in Endangered Species (CITES).

3) Mops

- a. All wet mops and dust mops must use reusable mop pads or heads that are:
 - i. Microfiber OR Certified by Green Seal; and
 - ii. Free of contain polyvinyl chloride (PVC).
- b. Bidders must offer at least one brand of mop handles and buckets that are designed to work with microfiber flat mops, dust mops and string mops.

4) Sponges and Scrubbers

All hand sponges and scrubbers must be 100% cellulose or another plant-based fiber OR contain a minimum of 20% post-consumer recycled material.

5) Wiping Rags, Cloth

- a. All reusable cloth wiping rags must be made of microfiber, reused material or recycled-content fabric with a minimum of 10% post-consumer recycled content.
- b. No wiping rags may be “pretreated” with mineral oil or other chemicals.
- c. Must be a split microfiber.
- d. **Desirable:** It is desirable to offer microfiber that measures less than 1 denier in diameter.

6) Personal Protective Equipment (PPE), Buddy Jugs, and Spill Cleanup Supplies and Equipment

This category includes, but is no limited to, the following products:

- a. **Gloves**
 - i. All disposable and reusable gloves must be free of PVC and latex.
 - ii. **Desirable:** It is desirable to offer:
 - a) Reusable and puncture resistant options that meet ASTM F2878 (Fine-Object Threat).
 - b) Cut resistant options that meet ANSI Puncture Level 4 or 5.
 - c) Certified compostable food service glove options.
- b. **Sorbents**

All sorbents (e.g., absorbents and adsorbents) must:

 - i) Meet one or more of the following standards:

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- a) Contain 89% total recycled content, which complies with the US Environmental Protection Agency’s Comprehensive Procurement Guidelines for Sorbents. For more information, see <http://www.epa.gov/osw/consERVE/tools/cpg/products/sorbents.htm>;
 - b) Certification as a Biobased Product by the US Department of Agriculture (USDA). A list of USDA-certified biobased products can be accessed at <http://www.biopreferred.gov>; OR
 - c) UL ECOLOGO certification.
- ii) Not have a danger warning or be listed as a corrosive, carcinogen, mutagen, reproductive toxicant, respiratory sensitizer, irritant to respiratory track, eyes and skin on the SDS or have a Prop 65 warning;
 - iii) Not contain diatomaceous earth, vermiculite, or crystalline silica;
 - iv) Not contain fragrances; and
 - v) Provide a sorbent option for body fluids and chemical spills.
- c. **Emergency Eyewash Systems**
- i) Must include attachments to a sink or faucet that meet the ANSI Z358.1-2014 standard.
 - ii) Must be portable systems with 15-minute flush capacity with preservative to use with the 15-min system.
- d. **Other Janitorial Products**
- Other miscellaneous janitorial supplies not specified above (including, but not limited to, composting containers, dust pans, spray bottles, steel wool pads, polishing stones, toilet bowl brushes) may be offered on this Contract only if they contain a minimum of 10% post-consumer recycled content or are determined to be environmentally preferable by an independent third party organization such as the Forest Stewardship Council, Biodegradable Products Institute, Compost Manufacturing Alliance, Cradle to Cradle, US EPA, USDA, UL, Green Seal, etc., or are approved by Maryland’s approved list of environmental standards and certifications (available at: <https://dgs.maryland.gov/Documents/GreenPurchasing/ApprovedStandardsforEnvironmentallyPreferableProducts.pdf>).
- Bidders must provide a link to the certification from the third-party website or from the Ecomedes website (<https://products.ecomedes.com/>) in the bid package to verify compliance with any third-party certification. For recycled content, bidders are required to provide documentation such as a link to a tech sheet or a third-party certification verifying the recycled content for the product.

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D. Hand Soaps, Hand Sanitizers, and Personal Care Products

This sub-category includes non-antimicrobial hand soaps (both foams and lotions), hair shampoos, and body washes, as well as hand sanitizers (liquids, gels and wipes) and related dispensers.

1) Hand Soaps, Body and Hair Products

All hand soaps, body and hair products must meet the following criteria:

- a. Contain NO antimicrobial agents.
- b. All products offered in this category must currently have at least one of the following certifications:
 - i. Green Seal: <https://www.greenseal.org> (products may be viewed at <https://www.greenseal.org/certified-products-services>);
 - ii. UL ECOLOGO <https://www.ul.com/resources/ecologo-certification-program> (products may be viewed at <https://spot.ul.com>); or
 - iii. US EPA Safer Choice: <https://www.epa.gov/saferchoice> (products may be viewed at <https://www.epa.gov/saferchoice/products>). This excludes all products where the parent company is overdue for their yearly partnership review and is identified with a double dagger (‡) next to the company name in the safer choice product list.

To verify compliance with the required certifications listed above, links must be provided in the bid package to the certifier's website, the Clear Roads QPL, the UL SPOT website, or the Ecomedes website (<https://products.ecomedes.com/>).

- c. The State encourages bidders to provide and install dispensers free of charge and bidders must provide information in the bid package regarding their offering (i.e., whether their bid includes installing dispensers free of charge).
 - d. **Desirable:** It is desirable to offer battery-free dispenser options.
- #### 2) Antimicrobial Hand Sanitizers (including liquid, gel and foam formulations)
- a. All hand sanitizers offered on this contract must meet the following criteria:
 - i. Contain at least 60% alcohol; per the Centers for Disease Control (CDC) guidance which can be accessed at: <https://www.cdc.gov/handwashing/when-how-handwashing.html>; and
 - ii. May not contain active ingredients other than ethyl alcohol or isopropyl alcohol.
 - b. May not be on the US Food and Drug Administration's (FDA's) Hand Sanitizer Do-Not-Use List which may be viewed at: <https://www.fda.gov/drugs/drug-safety-and-availability/fda-updates-hand-sanitizers-consumers-should-not-use#products>. Products must carry one of the following third-party certifications:
 - i. Green Seal;
 - ii. UL ECOLOGO; or
 - iii. Cradle to Cradle.

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To verify compliance with the required certifications listed above, links must be provided in the bid package to the certifier’s website, the Clear Roads QPL, the UL SPOT website, or the Ecomedes website (<https://products.ecomedes.com/>).

- c. The State encourages bidders to provide and install dispensers free of charge and bidders must provide information in the bid package regarding their offering (i.e., whether their bid includes installing dispensers free of charge).
- d. **Desirable:** It is desirable to offer products that are:
 - i. USDA Biobased Certified; and
 - ii. Free of dyes and fragrances.

3) Entryway and other matting systems

This sub-category includes indoor and outdoor use mats but excludes chair mats.

- a. All entryway and matting systems must:
 - i. contain 100% post-consumer recycled content face fiber and 15% post-consumer recycled content backing OR be USDA Biobased; and
 - ii. be PVC-free.
- b. The State prefers that Bidders offer take-back of worn mats. Bidders shall provide a description of their take-back program and policy in the bid package.

E. Disposable Janitorial Paper Products

This category includes toilet paper, paper towels, toilet seat covers, facial tissues, table napkins, paper wipers, and feminine hygiene products as well as related dispensing equipment. Listed below are detailed subcategory descriptions. Below are detailed descriptions of each sub-category, in addition to criteria for feminine hygiene products.

Toilet Paper	<p>Standard: including 1-ply and 2-ply, standard rolls, embossed individual, premium embossed individual, high-capacity, controlled-use, and embossed and premium embossed controlled-use.</p> <p>Coreless and Small Core: including 1-ply and 2-ply, coreless, high-capacity coreless and small core.</p> <p>Jumbo: 1-ply and 2-ply, Jumbo Senior, Junior, and Super.</p>
Paper Towels	<p>Roll and Centerpull: white and brown, 1-ply and 2-ply, roll, hardwound, universal, high-capacity, center-pull, premium high-capacity centerpull, perforated, and kitchen paper roll.</p> <p>Folded Towels: white and brown, 1-ply and 2-ply, embossed and non-embossed C-fold, single-fold, multi-fold, and Opti-fold.</p>
Facial Tissue and Paper Napkins	Includes all facial tissue and paper napkin products.
Other:	<p>Toilet Seat Covers: Includes all toilet seat covers</p> <p>Paper Wipers: paper wipers, paper wiping cloths, and extra-tough paper wipers (This category does NOT include wipes that contain cleaning chemicals, disinfectants or sanitizers)</p> <p>Feminine Hygiene Products: All feminine hygiene products (e.g., tampons, menstrual pads)</p>

- 1) All products in this category, except for feminine hygiene products, must meet the following criteria:

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- a. Contain NO antimicrobial ingredients, fragrances, colorants (pigments or dyes), or alkylphenol ethoxylates, other alkylphenol derivatives (APEOs), or nanomaterials.
 - b. Must be elemental chlorine free or process chlorine free; vendor must offer at least one brand of toilet paper and paper towel that is process chlorine free.
 - c. Must meet at least one of the following and must provide a link to the certification from the third-party website or from the Ecomedes website (<https://products.ecomedes.com/>) in the bid package to verify compliance.
 - i. Green Seal: <https://www.greenseal.org>. Products may be viewed at <https://www.greenseal.org/certified-products-services>.
 - ii. UL ECOLOGO <https://www.ul.com/resources/ecologo-certification-program>. Products may be viewed at <https://spot.ul.com>
 - d. Toilet Paper and Paper Towels must contain 100% Total Recycled Content and meet the applicable EPA Comprehensive Procurement Guidelines (CPG) for post-consumer recycled content.
 - o CPG for Toilet Paper is 20% post-consumer recycled content
 - o CPG for Paper Towels is 40% post-consumer recycled content
 - e. Facial Tissue, Paper Napkins, Toilet Seat Covers, and Wipers must meet the applicable EPA Comprehensive Procurement Guidelines (CPG) for post-consumer recycled content.
 - o CPG for Facial Tissue is 10%
 - o CPG for Paper Napkins 30%
 - o CPG for Toilet Seat Covers is 20%
 - o CPG for Wipers is 40%
- 2) Bidders must offer at least one universal dispenser option for each type of product.
 - 3) The State encourages bidders to provide and install dispensers free of charge and bidders must provide information on their dispensers in the bid package (including whether their bid includes installing dispensers free of charge).
 - 4) **Criteria specific to feminine hygiene products:** These products must Contain NO antimicrobial ingredients, fragrances, nanomaterials, or dyes, unbleached, or bleached with totally chlorine free processes (Note: elemental chlorine free, or ECF, does not qualify because it uses chlorine derivatives).

4. CATEGORY 4: POWERED JANITORIAL EQUIPMENT, SUPPLIES AND SERVICE

This category includes the following subcategories: carpet extraction equipment, vacuum cleaners, powered floor scrubbing machines, powered floor maintenance equipment, hand dryers, hands-free restroom cleaning equipment, delivery devices, on-site cleaning chemical generation units, on-site generation units of disinfectants and sanitizers, personal protective equipment, equipment accessories, microfiber washing equipment, and microfiber washing service.

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- A. For all powered janitorial equipment offered in this category, bidders must submit documentation in their bid package, including cut sheets, demonstrating the equipment meets the specified certifications and standards below.
- B. All powered janitorial equipment must be certified for shock resistance and include at least one of the following labels: Underwriters Laboratory (UL) or Electrical Testing Lab (ETL), a division of Intertek. Bidders must provide verifying documentation in their bid package showing products possess the required labels.
- C. **Desirable** - It is desirable to offer the following:
- 1) Labeling of all powered janitorial equipment as RoHS-compliant, which means it complies with the European Union’s Restriction of Hazardous Substance Directive.
 - 2) Vacuum cleaners, carpet extraction equipment, powered floor maintenance equipment, powered scrubbing machines, and hands-free restroom equipment that meet:
 - a. Green Seal GS-42 standards and requirements for Commercial and Institutional Cleaning Services, as outlined in section 4.2 “Powered Cleaning Equipment” which can be found here: <https://www.greenseal.org/green-seal-standards/gs-42> OR
 - b. US Green Building Council Leadership in Energy and Environmental Design (LEED) v.4.1 for Existing Buildings - EQ Credit: Green Cleaning, which can be accessed at <https://www.usgbc.org/credits/existing-buildings-schools-existing-buildings-retail-existing-buildings-hospitality-exist-27?view=language>.
- D. **Vacuum Cleaners**
All vacuum cleaners must be certified by the Carpet and Rug Institute (CRI) under its Seal of Approval Program **AND** operate at a sound level of less than 70 dBA. A list of products certified under this standard can be accessed at: <https://carpet-rug.org/testing/seal-of-approval-program/certified-vacuums>.
- E. **Carpet Extraction Equipment**
All carpet extraction equipment must be certified by the Carpet and Rug Institute (CRI) under its Seal of Approval Program at the Bronze level or higher. A list of CRI-certified carpet extractors can be accessed at <https://carpet-rug.org/testing/seal-of-approval-program/certified-deep-cleaning-extractors>.
- F. **Powered Floor Maintenance Equipment (non-propane powered only)**
- 1) All floor maintenance equipment (e.g., polishers, burnishers, etc.) must:
 - a. Be equipped with controls or other devices for capturing and collecting particulates **AND**
 - b. Operate at a sound level less than 70 dBA.
 - 2) No propane-powered equipment is allowed on this contract.
- G. **Powered Floor Scrubbing Machines**
All powered floor scrubbing machines must:
- 1) Be equipped with a control or device for capturing and collecting particulates; **AND**

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- 2) Be equipped with a control method for variable rate dispensing to optimize the use of cleaning fluids.

H. Hands-Free Restroom Cleaning Equipment

All hands-free restroom cleaning equipment must be equipped with a control method for variable rate dispensing to optimize the use of cleaning fluids.

I. Hand Dryers

All hand dryers must:

- 1) Be able to dry hands in 15 seconds or less with maximum 135-degree Fahrenheit air.
- 2) Operate at a sound level of less than 80 dBA.
- 3) Not exceed 1500 watts in energy consumption.
- 4) Adhere to ADA Protrusion Requirements at https://www.ada.gov/2010ADASTandards_index.htm.
- 5) Include internal HEPA air filtration.
- 6) Possess a one-piece, heavy duty, vandal and rust resistant cover.
- 7) Have complete hands-free operation including automatic optical sensor for on/off operation.
- 8) Operate on a maximum 15-amp branch circuit.
- 9) If heated air is used, provide an automatic thermostat-controlled wire element heater.

J. Disinfectant Delivery Devices

- 1) Electrostatic spraying units are acceptable only when they are designed to be used with a contract- approved disinfectant.
- 2) No pesticide or paint sprayers are allowed.
- 3) No misters or foggers are allowed.

K. On-site Cleaning Chemical Generation Units

- 1) All on-site cleaning chemical generation units must be certified by Green Seal.
- 2) Hypochlorous acid generators must maintain a pH of 4-6.5. Testing of the pH of the solution must be conducted before first use and then every 6 months. Test results must be documented and submitted to the Building Services Supervisor or designated representative.

L. On-site Generation Units of Disinfectants and Sanitizers

- 1) The criteria by which these devices will be evaluated will include the following:
 - a. Hypochlorous acid generators must maintain a pH of 4-6.5, and independent documentation of the pH of the solution over time is required.
 - b. All units must have an EPA establishment number.

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- c. All disinfectant generation units must disclose the efficacy their equipment provides and include independent documentation. This includes but is not limited to the manufacturer’s technical data sheet, the safety data sheet (SDS) for the raw materials and the end product, and efficacy information against bacteria, virus and fungi.
 - d. All devices must meet federal, State and local requirements for its use.
- 2) **Desirable:** It is desirable to offer chemicals used in these devices that are on EPA’s List N: Disinfectants for Coronavirus (COVID-19), which can be accessed at <https://www.epa.gov/coronavirus/about-list-n-disinfectants-coronavirus-covid-19-0>.

M. Powered Steam Cleaning and Disinfecting Units

All powered steam cleaning units must use a dry steam application and:

- Ensure steam heat must maintain a minimum of 200 degrees F.
- Operate at a sound level less than 70 dBA.
- If the dry steam vapor unit makes a disinfecting claim:
 - It must Have an EPA Establishment Number; **AND**
 - In its bid package, the Bidder must disclose and document the efficacy of the equipment against bacteria, viruses, and fungi; and provide independent documentation such as the manufacturer’s technical data sheet, the safety data sheet for the raw materials and end products, etc.

N. Equipment Accessories

All scrub pads for use on electric floor machines or automatic scrubbers must contain a minimum of 50% post-consumer recycled material or be certified by Green Seal.

O. Microfiber Washing Equipment

All portable self-contained washing units must be able to wash microfiber cloths.

5. ENVIRONMENTALLY PREFERABLE PURCHASING LANGUAGE

Instruction to Procurement Officers: Please include the following language to your solicitation if it does not already exist.

A. On Environmentally Preferable Purchasing:

The State of Maryland is committed to purchasing environmentally preferable products and services (EPPs). Maryland’s State Finance & Procurement Article §14-410 defines environmentally preferable purchasing 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.”

Accordingly, Bidders are strongly encouraged to offer EPPs to fulfill this contract, to the greatest extent practicable.

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B. On Maryland’s Green Purchasing Reporting Requirements:

The State of Maryland requires, at a minimum, from the Contractor annual sales data over the life of this contract; the State also reserves the right to request quarterly sales data over the life of this contract.

The report must include, at a minimum, details about the third-party sustainability certifications and other environmental attributes of products and services sold on this price agreement per the contract specifications.

To facilitate consistent reporting on this contract, the Contractor will be provided with a VENDOR GREEN SALES REPORT template from the Green Purchasing Committee (GPC), the Office of State Procurement (OSP) or the Department of General Services (DGS).

C. On Environmental Claims

All environmental benefit claims made by the Contractor concerning products or services offered on this contract must be consistent with the [Federal Trade Commission’s Guidelines for the Use of Environmental Marketing Claims](#).

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6. APPENDIX 1: List of Products Offered on the Contract

CATEGORY 1: CLEANING, FACILITY MAINTENANCE CHEMICALS, DISINFECTANTS AND SANITIZERS

This category of products includes, but is not limited to, a wide variety of concentrated and ready-to-use (RTU) cleaners as well as related dilution and dispensing equipment, bathroom cleaners (non-disinfecting and non-sanitizing); carpet, rug and upholstery cleaners; degreasers; floor cleaners; general purpose cleaners; glass cleaners; general purpose cleaners, floor polishes, finishes and waxes; floor strippers/removers; floor polish restorers and maintainers; non-antimicrobial abrasive powdered and cream cleaners; air conditioner coil cleaners; appliance cleaners; boat and bilge cleaners; calcium, lime and rust removers/descalers; cleaning wipes; coffee maker cleaners; deck and fence cleaners; deodorizers; dishwashing /ware washing detergents, rinse aids and whiteners (hand, automatic in liquid, gel or powder form); drain cleaners; enzymatic cleaners; furniture cleaners/polishes; graffiti removers; gum and adhesive removers; laundry fabric softeners, anti-static products and stain removers; laundry whiteners and brighteners; laundry/clothes detergents; leather cleaners; mold and mildew removers (non-antimicrobial); oven/grill/BBQ cleaners; stainless steel/metal cleaners/polishes; stone cleaners; toilet bowl and urinal cleaners; upholstery cleaners; urinal blocks and screens; vehicle cleaners; walkway cleaners, antimicrobial mold and mildew remediation products and other types of disinfectants, as well as food-contact and non-food-contact surface sanitizers. (Category 1 excludes hand sanitizers and antimicrobial hand soaps, which are included in category 2).

CATEGORY 2: JANITORIAL SUPPLIES, EQUIPMENT AND SERVICES

This category includes, but is not limited to, a wide variety of general janitorial supplies such as absorbents; brooms; mops; brushes; dust rags and other cleaning cloths; trash, recycling and composting containers; gloves and other types of PPE; sponges and scrub pads; spray bottles; rechargeable batteries and battery chargers; janitorial carts, non-antimicrobial hand soaps, hair shampoos, and body washes, as well as hand sanitizers (liquids, gels and wipes) and related dispensers, disposable plastic and paper can liners used primarily for janitorial applications in institutional settings, including trash, recycling, and medical waste bags. It also includes compostable bio-plastic bags designed to collect food and/or yard waste for composting; and all entryway and other floor matting systems for indoor and outdoor applications, excluding chair mats.

CATEGORY 3: DISPOSABLE JANITORIAL PAPER PRODUCTS

This category includes toilet paper, paper towels, toilet seat covers, facial tissues, table napkins, paper wipers, and feminine hygiene products as well as related dispensing equipment.



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CATEGORY 4: POWERED JANITORIAL EQUIPMENT, SUPPLIES AND SERVICE

This category includes, but is not limited to, carpet extraction equipment, vacuum cleaners, powered scrubbing machines, powered floor maintenance equipment, hand dryers, hands-free restroom cleaning equipment, delivery devices, on-site cleaning chemical generation units, on-site generation units of disinfectants and sanitizers, microfiber washing equipment, and microfiber washing service, etc. This category also includes related accessories necessary to operate and maintain powered equipment offered on this Contract. Accessories include, but are not limited to, vacuum cleaner bags, toolkits, filters, hoses, belts, floor pads, polishing stones. It also includes any service fees.