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# Castro Valley Sanitary District

## POLICIES AND PROCEDURES MANUAL

**POLICY TITLE: Environmentally Preferable Purchasing Policy (EPPP)**  
**POLICY NUMBER: 3082**

### **3082.1 Statement of Policy.**

**3082.1.1** It is the policy of Castro Valley Sanitary District (CVSan) to:

**3082.1.1.1** Institute practices that reduce waste by increasing product efficiency and effectiveness; and,

**3082.1.1.2** Purchase products that minimize environmental impacts, toxics, pollution, and hazards to worker and community safety to the greatest extent practicable; and,

**3082.1.1.3** Purchase products that include recycled content, are durable and long-lasting, conserve energy and water, use agricultural fibers and residues, reduce greenhouse gas emissions, use unbleached or chlorine free manufacturing processes, are lead-free and mercury-free, and use wood from sustainably harvested forests, to the greatest extent practicable.

### **3082.2 Purpose.**

**3082.2.1** This policy is adopted in order to:

**3082.2.1.1** Conserve natural resources;

**3082.2.1.2** Minimize environmental impacts such as pollution and excessive use of water, energy, and other natural resources;

**3082.2.1.3** Eliminate or reduce toxic materials and practices that create hazards to workers and our community;

**3082.2.1.4** Support strong recycling markets;

**3082.2.1.5** Reduce landfilled materials;

**3082.2.1.6** Identify environmentally preferable products and distribution systems;

**3082.2.1.7** Increase the use and availability of environmentally preferable products that protect the environment;

**3082.2.1.8** Consider potential negative or harmful impacts of products on staff, the community, and environment.

**3082.2.1.9** Reward manufacturers and vendors that reduce environmental impacts in their production and distribution systems or services;

**3082.2.1.9** Create a model for successfully purchasing environmentally preferable products that encourages other purchasers in our community to adopt similar goals.

### **3082.3 Specifications.**

#### **3082.3.1 Source Reduction**

**3082.3.1.1** CVSan shall institute practices that reduce waste and result in the purchase of fewer products whenever practicable and cost-effective, but without reducing safety or workplace quality.

**3082.3.1.2** CVSan shall purchase remanufactured products such as laser toner cartridges, tires, furniture, equipment, and automotive parts whenever practicable, but without reducing safety, quality, or effectiveness.

**3082.3.1.3** CVSan shall require all equipment bought after the adoption of this policy to be compatible with source reduction goals as referred to in this section (3082.3.1), when practicable.

**3082.3.1.4** CVSan shall consider short-term and long-term costs in comparing product alternatives, when feasible. This includes evaluation of total costs expected during the time a product is owned, including, but not limited to, acquisition, extended warranties, operation, supplies, maintenance, disposal costs and expected lifetime compared to other alternatives.

**3082.3.1.5** Products that are durable, long lasting, reusable or refillable are preferred whenever feasible.

**3082.3.1.6** CVSan requests vendors to eliminate packaging or use the minimum amount necessary for product protection, to the greatest extent practicable.

**3082.3.1.7** Packaging that is reusable, recyclable or compostable is preferred, when suitable uses and programs exist.

**3082.3.1.8** Vendors shall be encouraged to recover and reuse pallets and packaging materials.

**3082.3.1.9** Suppliers of electronic equipment, including but not limited to computers, monitors, printers, and copiers, shall be required to take back equipment for reuse or environmentally safe recycling when CVSan discards or replaces such equipment, whenever possible.

### **3082.3.2 Recycled Content Products**

**3082.3.2.1** All products for which the United States Environmental Protection Agency (U.S. EPA) has established minimum recycled content standard guidelines, such as those for printing paper, office paper, janitorial paper, construction, landscaping, parks and recreation, transportation, vehicles, miscellaneous, and non-paper office products, shall contain the highest postconsumer content practicable, but no less than the minimum recycled content standards established by the U.S. EPA Guidelines.

**3082.3.2.2** Copiers and printers bought shall be compatible with the use of recycled content products.

**3082.3.2.3** In accordance with California Public Contract Code, Sec. 10409, CVSan shall purchase re-refined lubricating and industrial oil for use in its vehicles and other equipment, as long as it is certified by the American Petroleum Institute (API) as appropriate for use in such equipment.

**3082.3.2.4** When specifying asphalt concrete, aggregate base or portland cement concrete for road construction projects, CVSan shall use recycled, reusable or reground materials when practicable and allowable by Alameda County Public Works Agency.

**3082.3.2.5** CVSan shall specify and purchase recycled content transportation products, including signs, cones, parking stops, delineators, and barricades.

**3082.3.2.6** All pre-printed recycled content papers intended for distribution that are purchased or produced shall contain a statement that the paper is made from or contains recycled content.

### **3082.3.3 Energy and Water Savings**

**3082.3.3.1** Where applicable, energy-efficient equipment shall be purchased with the most up-to-date energy efficiency functions. This includes, but is not limited to, high efficiency space heating systems and high efficiency space cooling equipment.

**3082.3.3.2** When practicable, CVSan shall replace inefficient lighting with energy-efficient equipment.

**3082.3.3.3** All products purchased by CVSan and for which the U.S. EPA Energy Star certification is available shall meet Energy Star certification, when practicable. When Energy Star labels are not available, choose energy-efficient products that are in the upper twenty-five (25%) percent of energy efficiency as designated by the Federal Energy Management Program.

**3082.3.3.4** CVSan shall purchase water-saving products whenever practicable.

### **3082.3.4 Green Building**

**3082.3.4.1** All building and renovations undertaken by CVSan shall follow Green Building practices as a guideline for design, construction, and operation, where appropriate, as described in the LEED™ Rating System.

### **3082.3.5 Landscaping**

**3082.3.5.1** All landscape renovations, construction and maintenance by CVSan, including workers and contractors providing landscaping services for CVSan shall employ Bay-Friendly Landscaping or sustainable landscape management techniques for design, construction and maintenance whenever possible, including, but not limited to, integrated pest management, grasscycling, drip irrigation, composting, and procurement and use of mulch and compost that give preference to those produced from regionally generated plant debris and/or food waste programs.

**3082.3.5.2** Plants should be selected to minimize waste by choosing species for purchase that are appropriate to the microclimate, species that can grow to their natural size in the space allotted them, and species of perennials rather than annuals for color. Native and drought-tolerant plants that require no or minimal watering once established are preferred.

**3082.3.5.3** Hardscapes and landscape structures constructed of recycled content materials are encouraged. CVSan shall limit the amount of impervious surfaces in the landscape, wherever practicable. Permeable substitutes, such as permeable asphalt or pavers, are encouraged for walkways, patios and driveways.

### **3082.3.6 Toxics and Pollution**

**3082.3.6.1** All cleaning or disinfecting products (i.e. for janitorial or automotive use) shall at a minimum meet Green Seal standards for environmental preferability and performance.

**3082.3.6.2** The use of chlorofluorocarbon-containing refrigerants, solvents and other products shall be phased out and new purchases shall not contain them.

**3082.3.6.3** All surfactants and detergents shall be readily biodegradable and, where practicable, shall not contain phosphates.

**3082.3.6.4** When maintaining buildings and landscapes, CVSan shall manage pest problems through prevention and physical, mechanical, and biological controls. CVSan may either adopt and implement an organic pest management policy and practices or adopt and implement an Integrated Pest Management (IPM) policy and practices using the least toxic pest control as a last resort.

**3082.3.6.5** When maintaining buildings, CVSan shall use and purchase products, such as paint, carpeting, adhesives, furniture and casework., with the lowest amount of volatile organic compounds (VOCs), highest recycled content, and low or no formaldehyde.

**3082.3.6.6** CVSan shall reduce or eliminate its use of products that contribute to the formation of dioxins and furans. This includes, but is not limited to:

**3082.3.6.6.1** Purchasing paper, paper products, and janitorial products that are unbleached or that are processed without chlorine or chlorine derivatives, whenever possible.

**3082.3.6.6.2** Prohibiting purchase of products that use polyvinyl chloride (PVC) such as, but not limited to, office binders, furniture, flooring, and medical supplies whenever practicable.

**3082.3.6.7** CVSan shall purchase products and equipment with no lead or mercury whenever possible. For products that contain lead or mercury, CVSan shall give preference to those products with lower quantities of these metals and to vendors with established lead and mercury recovery programs.

**3082.3.6.8** When replacing vehicles, CVSan shall consider less-polluting alternatives to diesel and gasoline such as compressed natural gas, biobased fuels, hybrids, electric batteries, and fuel cells, as available and where feasible. If required to purchase vehicles requiring diesel or gasoline, CVSan will purchase vehicles with the highest fuel efficiency standards, as set by the EPA, whenever practical.

### **3082.3.7 Wood Products**

**3082.3.7.1** To the greatest extent practicable, CVSan shall not procure wood products such as lumber and paper that originate from forests harvested in an environmentally unsustainable manner. CVSan shall give preference to wood products that are certified to be sustainably harvested by a comprehensive, performance-based certification system, whenever possible. The certification system shall include independent third-party audits, with standards equivalent to, or stricter than, those of the Forest Stewardship Council certification.

### **3082.3.8 Agricultural Bio-Based Products**

**3082.3.8.1** Vehicle fuels made from non-wood, plant-based contents, such as vegetable oils, are encouraged whenever practicable.

**3082.3.8.2** Paper, paper products, and construction products made from non-wood, plant-based contents, such as agricultural crops and residues, are encouraged, whenever practicable.

## **3082.4 Priorities.**

**3082.4.1** The health and safety of workers and citizens is of utmost importance and takes precedence over all other policies.

**3082.4.2** CVSan has made significant investments in developing a successful recycling system and recognizes that recycled content products are essential to the continuing viability of that recycling system and for the foundation of an environmentally sound production system. Therefore, to the greatest extent practicable, recycled content shall be included in products that also meet other specifications, such as chlorine free or bio-based.

**3082.4.3** Nothing contained in this policy shall be construed as requiring a department, purchaser, or contractor to procure products that **do not** perform adequately for their intended use, exclude adequate competition, or are not available at a reasonable price in a reasonable period of time.

**3082.4.4** Nothing contained in this policy shall be construed as requiring the CVSan departments, purchasers, or contractors to take any action which conflicts with local, state or federal requirements.

### **3082.5 Implementation.**

**3082.5.1** The General Manager shall implement this policy in coordination with other appropriate jurisdiction personnel.

**3082.5.2** Successful bidders shall certify in writing that the environmental attributes claimed in competitive bids are accurate. In compliance with State law, vendors shall be required to specify the minimum or actual percentage of recovered and postconsumer material in their products, even when such percentages are zero.

**3082.5.3** Upon request, buyers making the selection from competitive bids shall be able to provide justification for product choices that **do not** meet the environmentally preferable purchasing criteria in this policy.

**3082.5.4** Purchasers shall include businesses certified by the Bay Area Green Business Program in requests for products and services.

**3082.5.5** Vendors, contractors and grantees shall be encouraged to comply with applicable sections of this policy for products and services provided to the CVSan where practicable.

**3082.5.6** Purchasers shall use an environmentally preferred product distribution chain, such as Approved SF, when making purchases, whenever practical.

### **3082.6 Program Evaluation.**

**3082.6.1** The General Manager shall periodically evaluate the success of this policy's implementation.

### **3082.7 Definitions**

**3082.7.1** "Agricultural Bio-Based Products" means commercial or industrial products (other than food or feed) that utilize agricultural crops or residues but does not include products made from forestry materials.

**3082.7.2** "Bay Area Green Business Program" is a partnership of governments and businesses that certifies the environmental performance of government agencies and businesses.

**3082.7.3** "Bay-Friendly Landscaping" means working with the natural ecosystems of the San Francisco Bay Area to foster soil health, to reduce runoff and pollution, prevent and reuse plant waste, conserve water and other natural resources. Bay-Friendly Landscaping

practices are described in the forthcoming *Bay-Friendly Landscape Guidelines*, by the Alameda County Waste Management Authority & Recycling Board.

**3082.7.4** “Buyer” means anyone authorized to purchase or contract for purchases on behalf of this jurisdiction or its subdivisions.

**3082.7.5** “Chlorine free” means products processed without chlorine or chlorine derivatives.

**3082.7.6** “Contractor” means any person, group of persons, business, consultant, designing architect, association, partnership, corporation, supplier, vendor or other entity that has a contract with CVSan or serves in a subcontracting capacity with an entity having a contract with CVSan for the provision of goods or services.

**3082.7.7** “Dioxins and furans” are a group of chemical compounds that are classified as persistent, bioaccumulative, and toxic by the Environmental Protection Agency.

**3082.7.8** “Energy Star” means the U.S. EPA’s energy efficiency product labeling program.

**3082.7.9** “Energy Efficient Product” means a product that is in the upper twenty-five (25%) percent of energy efficiency for all similar products, or that is at least ten (10%) percent more efficient than the minimum level that meets Federal standards.

**3082.7.10** “Environmentally Preferable Products” means products and services have a lesser or reduced negative effect on human health and the environment when compared with competing products or services that serve the same purpose. This comparison applies to raw materials, manufacturing, packaging, distribution, use, reuse, operation, maintenance, and disposal.

**3082.7.11** “Federal Energy Management Program” is a program of the Department of Energy that issues a series of *Product Energy Efficiency Recommendations* that identify recommended efficiency levels for energy-using products.

**3082.7.12** The “Forest Stewardship Council” is a global organization that certifies responsible, on-the-ground forest management according to rigorous standards developed by a broad variety of stakeholder groups.

**3082.7.13** “Green Seal” is an independent, non-profit environmental labeling organization. Green Seal standards for products and services meet the U.S. EPA’s criteria for third-party certifiers. The Green Seal is a registered certification mark that may appear only on certified products.

**3082.7.14** “Integrated Pest Management (IPM)” is an ecosystem-based strategy that focuses on long-term prevention of pests or their damage through a combination of techniques such as biological control, habitat manipulation, modification of cultural practices, and use of resistant varieties. Pesticides are used only after monitoring indicates they are needed according to established guidelines, and treatments are made with the goal of removing only the target organism. Pest control materials are selected and applied in a manner that minimizes risks to human health, beneficial and non-target organisms, and the environment.

**3082.7.15** “LEED™ Rating System” means the self-assessing system developed by the U.S. Green Building Council designed for rating new and existing commercial, institutional, and high-rise residential buildings.

**3082.7.16** “Organic Pest Management” prohibits the use and application of toxic chemical pesticides and strives to prevent pest problems through the application of natural, organic horticultural and maintenance practices. All pest control products shall be in keeping with, but not limited to, those products on the approved list of California Certified Organic Foods (CCOF).

**3082.7.17** “Postconsumer Material” means a finished material which would normally be disposed of as a solid waste, having reached its intended end-use and completed its life cycle as a consumer item, and does not include manufacturing or converting wastes.

**3082.7.18** “Practical” and “Practicable” mean whenever possible and compatible with local, state and federal law, without reducing safety, quality, or effectiveness and where the product or service is available at a reasonable cost in a reasonable period of time.

**3082.7.19** “Preconsumer Material” means material or by-products generated after manufacture of a product is completed but before the product reaches the end-use consumer. Preconsumer material does not include mill and manufacturing trim, scrap, or broke which is generated at a manufacturing site and commonly reused on-site in the same or another manufacturing process.

**3082.7.20** “Recovered Material” means fragments of products of finished products of a manufacturing process, which has converted a resource into a commodity of real economic value, and includes preconsumer and postconsumer material but does not include excess resources of the manufacturing process.

**3082.7.21** “Recycled Content” means the percentage of recovered material, including preconsumer and postconsumer materials, in a product.

**3082.7.22** “Recycled Content Standard” means the minimum level of recovered material and/or postconsumer material necessary for products to qualify as “recycled products”.

**3082.7.23** “Recycled Product” means a product that meets CVSsan’s recycled content policy objectives for postconsumer and recovered material.

**3082.7.24** “Remanufactured Product” means any product diverted from the supply of discarded materials by refurbishing and marketing said product without substantial change to its original form.

**3082.7.25** “Reused Product” means any product designed to be used many times for the same or other purposes without additional processing except for specific requirements such as cleaning, painting or minor repairs.

**3082.7.26** “Source Reduction” refers to products that result in a net reduction in the generation of waste compared to their previous or alternate version and includes durable, reusable and remanufactured products; products with no, or reduced, toxic constituents; and products marketed with no, or reduced, packaging.

**3082.7.27** "U.S. EPA Guidelines" means the Comprehensive Procurement Guidelines established by the U.S. Environmental Protection Agency for federal agency purchases as of May 2002 and any subsequent versions adopted.

**3082.7.28** "Water-Saving Products" are those that are in the upper twenty-five (25%) of water conservation for all similar products, or at least ten (10%) percent more water-conserving than the minimum level that meets the Federal standards.

**3082.8 Effective Dates.**

**3082.8.1** This policy shall take effect on November 1, 2004.

**\*\*\* END OF POLICY \*\*\***