Kaiser Permanente
Environmental Preferable Purchasing Standards
BizNGO 2019 Annual Conference
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<table>
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<th>2025 Environmental Stewardship Goals</th>
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<tr>
<td><strong>Climate Action</strong></td>
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<tr>
<td>Become “carbon net positive” by buying enough clean energy and carbon offsets to remove more greenhouse gases from the atmosphere than we emit.</td>
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<td><strong>Sustainable Food</strong></td>
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<td>Buy all of our food locally or from farms and producers that use sustainable practices, including using antibiotics responsibly.</td>
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<td><strong>Waste Reduction</strong></td>
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<td>Recycle, reuse or compost 100% of our non-hazardous waste.</td>
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<td><strong>Water Conservation</strong></td>
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<td>Reduce the amount of water we use by 25% per square foot of buildings.</td>
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<td><strong>Safer Products</strong></td>
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<td>Increase our purchase of products and materials that meet environmental standards to 50%.</td>
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<td><strong>Sustaining Sustainability</strong></td>
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<td>Meet international standards for environmental management at all of our hospitals.</td>
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<td><strong>Collaboration</strong></td>
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<td>Pursue new collaborations to reduce environmental risks to foodsheds, watersheds and air basins supplying our communities.</td>
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- Improve the health of communities
- Prioritize Kaiser Permanente’s actions
- Capitalize on Kaiser Permanente’s leadership to accelerate environmental improvement
EPP Standards

- EPEAT Registry - Computers, Printers
- Greenseal, Ecologo – Cleaning Chemicals
- KP EPP Standard – Medical Products
- KP Furnishings and Fabrics Standard
- Healthcare without Harm Flooring Standard
KP’s EPP Standard: Chemical Criteria

1. EUROPEAN UNION RESTRICTION of HAZARDOUS SUBSTANCES (EU RoHS) DIRECTIVE (ELECTRONICS)
   - All homogenous electronic parts are compliant with all EU RoHS Directive's restricted limits (excluding exemptions)

2. BISPHENOL A (BPA)
   - All homogenous materials contain less than 1000 ppm of intentionally added Bisphenol A and related structural/functional analogues

3. POLYVINYL CHLORIDE (PVC)
   - Does not contain Polyvinyl Chloride.

4. BROMINE AND CHLORINE-BASED COMPOUNDS
   - All homogenous materials contain less than 1000 ppm of bromine and chlorine-based compounds

5. PHthalates, INCLUDING di(2-ethylhexyl) phthalate (DEHP)
   - All homogenous materials contain less than 1000 ppm of phthalates

6. PROP 65 CHEMICALS
   - Does not contain intentionally added chemicals listed by the State of California to cause cancer, birth defects, or reproductive harm that require warning or are prohibited from release to the environment under the California Safe Drinking Water and Toxic Enforcement Act of 1986. (Proposition 65)
KP’s EPP Standard: Chemical Criteria

7. ANTIMICROBIAL / ANTIBACTERIAL AGENTS
   - Does not contain intentionally added antimicrobial/antibacterial agents to reduce surface pathogens.

8. PERSISTENT, BIOACCUMULATIVE AND TOXIC CHEMICALS (PBTs)
   - All homogenous materials contain less than 1000 ppm of persistent, bioaccumulative toxins (PBTs)

9. NON-HALOGENATED FLAME RETARDENTS (FRs)
   - All non-electronic homogeneous materials contain less than 1000 ppm of any chemical or chemical compound for which a functional use is to resist or inhibit the spread of fire, including but not limited to phosphorous-based and nitrogen-based chemicals.

10. METALS
    - Does not contain mercury, lead, cadmium, or organotin compounds

11. PERFLUORINATED CHEMICALS (PFCs)
    - Products does not contain stain- or water-repellant treatments that contain a perfluorinated compound
KP’s EPP Standard: Waste Criteria

1. **DOES NOT CREATE A HAZARDOUS WASTE (PRODUCT)**
   - Product is not regulated as a state or federal hazardous waste when used for its intended purpose.

2. **10% OR MORE POST CONSUMER RECYCLED CONTENT (PRODUCT)**
   - Product contains more than 10% post-consumer recycled content.

3. **RECYCLABILITY (PRODUCT)**
   - Product is Recyclable

4. **RECYCLED CONTENT (PRIMARY PACKAGING)**
   - Primary Packaging - Contains more than 10% post-consumer recycled content.

5. **RECYCLED CONTENT (SECONDARY PACKAGING)**
   - Secondary Packaging - Contains more than 30% post-consumer recycled content.

6. **FOREST STEWARDSHIP COUNCIL**
   - Packaging has received Forest Stewardship Council Certification

7. **CONSUMER FRIENDLY RECYCLING LABELS**
   - Packing is labeled with consumer-friendly recycling information

8. **RECYCLABILITY (PACKAGING)**
   - Packaging is Recyclable
Performance

Successes

- Increase in % of spend meeting EPP Standards
- Driving consistent EPP criteria in health care
- Accuracy of supplier responses is continually improving

Challenges

- Driving continuous improvement to reduce CoC in medical products
- Prop 65 Responses
- FRs in Electronic Components
Kaiser Permanente Environmentally Preferable Purchasing (EPP) Standard

Summary: Products must meet all eleven (11) of the EPP Chemicals of Concern criteria, and at least (2) of the EPP Waste criteria.

A. Chemicals of Concern Criteria:

Product must meet all eleven (11) of the EPP Chemicals of Concern criteria contained herein. Note parts per million (PPM) where indicated.

1. EUROPEAN UNION RESTRICTION OF HAZARDOUS SUBSTANCES (EU RoHS) DIRECT (ELECTRONICS) – All homogenous electronic parts are compliant with all EU RoHS Directive’s restricted limits (excluding exemptions)*.

2. BISPHENOL A (BPA) – All homogenous materials contain less than 1000 ppm of intentionally added Bisphenol A and related structural/functional analogues*.

3. POLYVINYL CHLORIDE (PVC) – Does not contain Polyvinyl Chloride.

4. DROMINE AND CHLORINE-BASED COMPOUNDS – All homogenous materials contain less than 1000 ppm of bromine and chlorine-based compounds*.

5. PHTHALATES, INCLUDING di(2-ethylhexyl) phthalate (DEHP) – All homogenous materials contain less than 1000 ppm of phthalates*.

6. PROP 65 CHEMICALS - Does not contain intentionally added chemicals listed by the State California to cause cancer, birth defects, or reproductive harm that require warning or are prohibited from release to the environment under the California Safe Drinking Water and Toxics Enforcement Act of 1986 (Proposition 65)*.

7. ANTIMICROBIAL / ANTIBACTERIAL AGENTS - Does not contain intentionally added antimicrobial/antibacterial agents to reduce surface pathogens.

8. PERSISTENT, BIOACCUMULATIVE AND TOXIC CHEMICALS (PBTs) - All homogenous materials contain less than 1000 ppm of persistent, bioaccumulative toxins (PBTs)*.

9. NON-HALOGENATED FLAME RETARDANTS (FRs) - All non-electronic homogenous materials contain less than 1000 ppm of any chemical or chemical compound for which a functional use is to resist or inhibit the spread of fire, including but not limited to phosphorus based and nitrogen-based chemicals.

10. METALS - Does not contain mercury, lead, cadmium, or organotin compounds*.

11. PERFLUORINATED CHEMICALS (PFCs) - Products do not contain stain- or water-repellent treatments that contain a perfluorinated compound*.

B. Waste Criteria

Product must meet two (2) of the EPP Waste criteria contained herein.

1. DOES NOT CREATE A HAZARDOUS WASTE (PRODUCT) - Product is not regulated as a state or federal hazardous waste when used for its intended purpose.

2. 10% OR MORE POST CONSUMER RECYCLED CONTENT (PRODUCT) – Product contains more than 10% post-consumer recycled content.
3. RECYCLABILITY (PRODUCT) - Product is Recyclable*.

*A product or package is recyclable if it can be collected, separated, or otherwise recovered from the waste stream through an established recycling program for reuse or use in manufacturing or assembling another item, with recycling facilities for the item available to at least 60 percent of communities where the item is sold.

4. RECYCLED CONTENT (PRIMARY PACKAGING) - Primary Packaging - Contains more than 10% post consumer recycled content.

5. RECYCLED CONTENT (SECONDARY PACKAGING) - Secondary Packaging - Contains more than 30% post consumer recycled content.

6. FOREST STEWARDSHIP COUNCIL - Packaging has received Forest Stewardship Council Certification*.

*Packaging has one of the following certifications: 100% - From well-managed forests; Mix - From responsible sources; Recycled - Made from recycled material.

7. CONSUMER FRIENDLY RECYCLING LABELS - Packing is labeled with consumer-friendly recycling information*.

* Labels meet US Federal Trade Commission Green Guides such as How2Recycle Label

8. RECYCLABILITY (PACKAGING) - Packaging is Recyclable*.

*A product or package is recyclable if it can be collected, separated, or otherwise recovered from the waste stream through an established recycling program for reuse or use in manufacturing or assembling another item, with recycling facilities for the item available to at least 60 percent of communities where the item is sold.

Written in collaboration.