



Patient Safety Environmental Responsibility Cost Effectiveness

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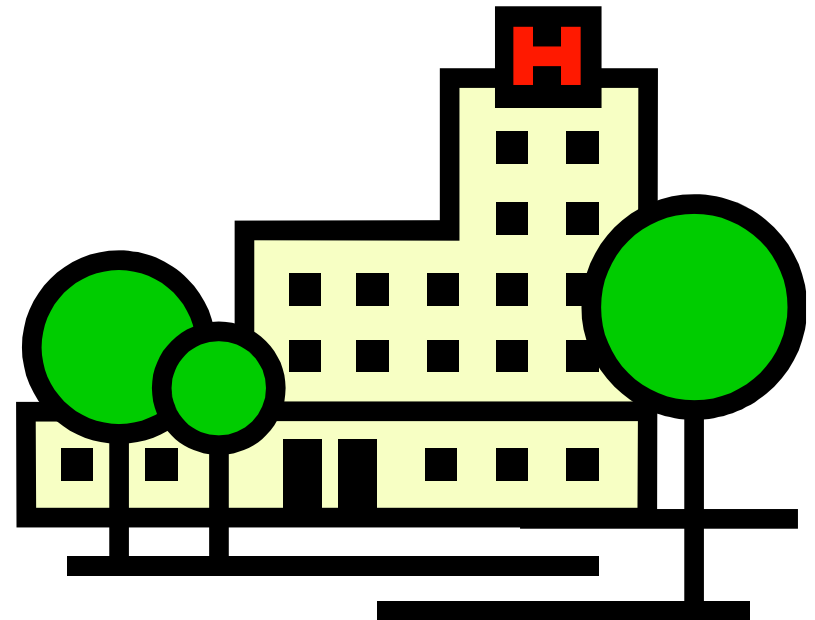
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The Situation



- ▶ Patient Safety is top priority
 - ▶ Hospital Acquired Infections
 - ▶ Falls prevention
 - ▶ Surgical safety
 - ▶ Elimination of latex
 - ▶ Elimination of PVC/DEHP
- ▶ Environmental Stewardship
 - ▶ Reduce, Reuse, Recycle
 - ▶ Decrease packaging
 - ▶ Decrease waste
 - ▶ Decrease harmful chemicals
- ▶ Cost Containment
 - ▶ Best possible cost
 - ▶ Use of GPO contracts



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Are the goals mutually exclusive?



- ▶ Cleaners need to meet specific criteria
- ▶ Cleaners should use less environmentally harmful ingredients
- ▶ Recycled paper is more environmentally friendly
- ▶ Recycled paper is more expensive
- ▶ Double wrapped items ensure sterility and can result in fewer wasted items
- ▶ Double wrap increases packaging waste

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Solutions



- ▶ Programs that don't impact patient care
- ▶ Projects that meet two or more goals
- ▶ Look beyond purchase price



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Programs that don't impact patient care



- ▶ Energy efficient equipment
- ▶ Energy conservation
- ▶ Water conservation
- ▶ Recycling
- ▶ Waste reduction
- ▶ Food and cafeteria programs
- ▶ Sustainable manufacturers



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Energy and Water



- ▶ Energy Star
 - ▶ 20-30% energy savings
 - ▶ No increase in cost



- ▶ EPEAT
 - ▶ Electronic Product Environmental Assessment Tool
 - ▶ System to help evaluate, compare and select desktop computers, notebooks and monitors based on their environmental attributes.



- ▶ Power down equipment where appropriate



- ▶ Water conserving microfiber mops, fixtures, equipment

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Recycling



- ▶ Paper and cardboard
 - ▶ Have a good collection system
 - ▶ Possibly sell
- ▶ Batteries and fluorescent lamps
 - ▶ Consider rechargeable batteries
 - ▶ On-site battery recycling: 1-800-8-BATTERY
- ▶ Plastic water bottles
 - ▶ Educate
 - ▶ Collection system
- ▶ Electronics



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Food and cafeteria programs



- ▶ Reusable ware
- ▶ Composting
 - ▶ Food
 - ▶ Corn-based dinner and flatware
- ▶ Buy local produce
 - ▶ Regional contracting
 - ▶ Host a Farmers' Market
- ▶ Eliminate water bottles



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Use Manufacturers' Efforts



- ▶ Packaging efficiencies
- ▶ Distribution efficiencies
 - ▶ Reducing deliveries
 - ▶ EPA Smartway Transport Program
- ▶ Manufacturing processes
- ▶ Corporate environmental commitments
- ▶ Product alternatives

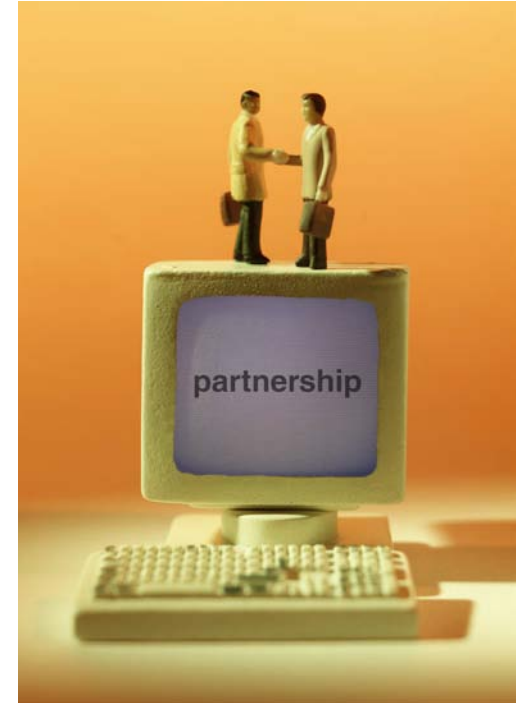


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Partnering With Suppliers to Increase EPP



- ▶ Use Electronic Pledge of True Stewardship
- ▶ Discontinued mercury-containing devices
- ▶ Identified EPP products in catalogs
- ▶ Restricted non-EPP products
- ▶ Provided lists of EPP products to customers
- ▶ Provided quantitative reports on EPP purchases



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Use EPA's SmartWay Transport Program



- ▶ Aims to reduce emissions of GHG from freight transport
- ▶ Works with businesses with fleets and those without.
- ▶ Require suppliers to demonstrate they are a SmartWay Transport Partner or pledge to become a Partner once your contract is awarded.



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Measures Taken by EPA SmartWay Partners



Carriers

- ▶ Idle reduction
- ▶ Tire inflation
- ▶ Weight reduction
- ▶ Improved aerodynamics

Shippers

- ▶ Use 50% SmartWay Carriers
- ▶ No idle policy at docks
- ▶ Full truckloads



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Programs that meet two or more goals



- ▶ Mercury elimination
- ▶ PVC/DEHP reduction
- ▶ Reusables
- ▶ Reprocessing
- ▶ Waste management



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Mercury/PVC/DEHP

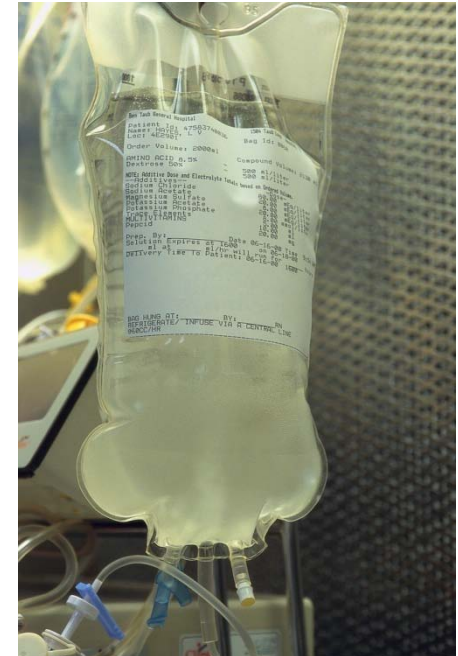


▶ Mercury

- ▶ Make a pledge to be mercury free
- ▶ Document and set goals
- ▶ Replace mercury containing products
- ▶ Recycle

▶ PVC and DEHP

- ▶ Look for alternatives
- ▶ Consider a DEHP-free NICU



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Reusables



- ▶ Much more popular now with “Green” movement
- ▶ Look at possible areas
 - ▶ Isolation gowns
 - ▶ Surgical non-wovens
 - ▶ Cafeteria dinner and flatware
 - ▶ Coffee mugs for staff



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Reprocessing



▶ SUDs

- ▶ Sequential compression devices
- ▶ Drill bits, saws, blades and burrs
- ▶ Biopsy forceps, snares
- ▶ Endoscopic/laparoscopic scissors, graspers, dissectors and clamps
- ▶ Electrophysiology diagnostics catheters
- ▶ Suction canisters

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Waste Management



- ▶ Know your waste types (perform a waste assessment)
- ▶ Look at EPP to reduce waste
- ▶ Educate employees
- ▶ Discard appropriately
- ▶ Minimize as much as possible
 - ▶ Pharmaceuticals
 - ▶ Reuse, donation, surplus



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Look at EPP



- ▶ Waste is an indicator of a system's inefficiency.
- ▶ Everything that goes out the back door came in the front door.
- ▶ Focus up front on resource, waste, and liability issues to reduce costs in the long run.



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Look Beyond Purchase Price



- ▶ Product/Byproduct Disposal Cost
 - ▶ Packaging Disposal Cost
 - ▶ Energy/Fuel/Water Cost
 - ▶ Maintenance/Service Cost
 - ▶ Occupational Health Costs
 - ▶ Environmental Risk Costs
- = Total Cost**

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