

# Green Procurement Practices for Environmental Stewardship





Authors: Ann Lim, Low Jia Miin, ALPS Co-author: Wilson Wong, ALPS





## Aim(s)

Highlighting the crucial role of green procurement practices (GPP) in healthcare, underscoring the pivotal role in fostering environmental sustainability and effectively mitigating the carbon footprint inherent in healthcare operations.

# Methodology 23



Sustainable Sourcing

- Emphasize the importance of partnering with suppliers committed to environmental sustainability.
- Prioritize products and materials made from renewable resources and produced using eco-friendly manufacturing processes.

**Energy-Efficient** Equipment

- Advocate for the procurement of energy-efficient medical equipment and devices to minimize electricity consumption and reduce carbon emissions.
- Encourage the adoption of cutting-edge technologies such as LED lighting and energy-efficient HVAC systems to further decrease energy usage.

Waste Reduction and Recycling

- Promote comprehensive waste reduction initiatives within healthcare facilities, including effective waste segregation, robust recycling programs, and composting.
- Encourage the use of recyclable or biodegradable packaging materials to minimize waste generation and landfill contributions.

Green Cleaning Products

- Transition to environmentally friendly cleaning products and methods to minimize the use of harmful chemicals and reduce the environmental impact of cleaning operations.
- Seek out cleaning products certified by reputable eco-labeling programs to ensure compliance with stringent environmental standards.

Water Conservation

- Implement water conservation measures such as installing waterefficient fixtures and implementing water reuse systems to reduce water consumption.
- Educate staff on water-saving practices and encourage their adoption to further conserve water resources.

Supplier Engagement and Collaboration

- Foster strong partnerships with suppliers to drive innovation and sustainability in procurement practices.
- Collaborate with suppliers to develop and implement sustainable solutions, such as eco-friendly product alternatives and environmentally responsible packaging.

## Results

Biodegradability: Plantbased packaging materials are often biodegradable. This reduces the long-term environmental impact of packaging waste.

materials typically have a lower carbon footprint as they rely less on fossil fuels compared to traditional plastic production, which is oilbased.

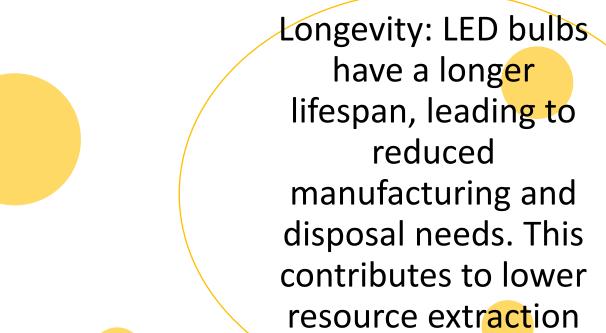
Reduced Dependency on

Fossil Fuels: Plant-based



**Change from** PE Tube to Renewable Packaging for **Hand Lotion** 

Renewable Resources: Using plant-based materials supports the use of renewable resources, contributing to sustainability,



Energy Efficiency: LED lightbulbs are significantly more energy-efficient than traditional incandescent bulbs. This reduces overall energy consumption and lowers greenhouse gas emissions associated with

electricity generation.

and waste generation. **Switching** of traditional incandescent bulbs to LED **Lightbulb for** 

**Diagnostic Set** 

Reduced Toxic Elements: Unlike some traditional bulbs containing hazardous materials like mercury, LEDs are free of toxic substances, reducing potential environmental harm.



# Environment Impact of GPP



### Reductions in Energy Consumption

Reductions in Energy Consumption



#### Reductions in Waste Generation

Green procurement practices focus on minimizing waste generation throughout the procurement process. By reducing packaging waste it can minimize their contribution to landfill waste and environmental pollution.



#### Reductions in Demand for New Materials

. By selecting products with a longer shelf life, it reduces the demand for new materials and minimizes the environmental impact associated with resource extraction and manufacturing processes.



## Conclusion

- > It is a collective responsibility by all stakeholders to adopt and promote green procurement practices. By prioritizing environmental sustainability in procurement decisions, healthcare facilities can play a crucial role in mitigating the environmental impact and contributing to a healthier planet for current and future generations.
- > Encouraging ongoing commitment to expanding green procurement initiatives ensures that sustainability remains a top priority within the healthcare industry. By collectively striving for sustainability, healthcare organizations can leverage their purchasing power to drive positive environmental impact and inspire others to follow suit.

