Reducing environmental impacts across the product life cycle

Design

- Conformance to Design for Environment (DfE) standards allows products to meet regulatory requirements
- Eco-labels demonstrate conformance with international environmental expectations and green procurement criteria
- DfE increases materials and energy efficiency
- Recycled content is used, where feasible
- Design for Recyclability (DfR) features facilitate disassembly and recycling

Raw materials

- Materials reduction and use of recycled materials decrease virgin materials use
- Reduction in the number of different material types used in a single product potentially adds value at end-of-life
- Reduction in product size uses fewer resources
- Recycled materials are used in some new products
- Restricted substances are reduced or eliminated

Manufacturing

- Supplier Code of Conduct helps suppliers address key HP environmental requirements including General Specification for the Environment (GSE)
- DfR features typically enable easier product assembly
- Efficient operations reduce emissions and waste from our operations
- Global ISO 14001 certification helps in establishing effective environmental management processes

Distribution

- Smaller, lighter products decrease CO_2 emissions and transportation impacts and costs
- Improved packaging designs increase the number of products per pallet, reducing product transport environmental burden
- Transportation by sea allows for more efficient shipments with lower environmental impact
- HP participation in Clean Cargo and Green Freight Groups promotes industry-wide reduction in environmental impact

Use

- Efficient product design, longer battery life and enhanced power management decrease energy consumption
- Multi-function products reduce energy and materials use
- Environmental product features reduce total cost of ownership
- Server center optimization reduces system energy use
- HP printing products are efficient and reliable, reducing paper waste and cartridge use
- Products designed for reliability and upgradeability extend functional lifetime, saving IT rollover costs and reducing waste

End-of-life

- HP offers a variety of take-back options, including asset recovery, donation, leasing, remarketing/refurbishment, trade-in and recycling
- Materials selection and identification increase value at end-of-life and facilitate recycling
- Design features increase ease of disassembly, recycling and material reuse