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## Resource Efficiency & Waste Management

What is **resource efficiency**? Why is it **important**?  
 What is a **sustainable waste management strategy**?

Resource efficiency and sustainable waste management strategies include:

- Waste reduction
- Recycling
- Responsible purchasing
- Water conservation

The planet is resource-constrained. Our current rate of consumption exceeds the capacity of our environment. Human well-being and environmental sustainability are dependent in part on choices we make regarding:

- How and where we build
- What materials we manufacture, buy, and introduce to our environment
- How we treat increasingly scarce water resources
- How we deal with materials at the end of their useful lifetimes

### Draft Guiding Principle #9 - Improve and Expand Waste Reduction and Resource Conservation Programs

Reduce waste and conserve resources through:

- Conscientious purchasing policies
- Expanded recycling programs
- Policies and decisions based on "Cradle to Cradle" impacts from initial sourcing through end of useful product life
- Contracts that reflect commitment to reducing internal waste generation

Conserve water by:

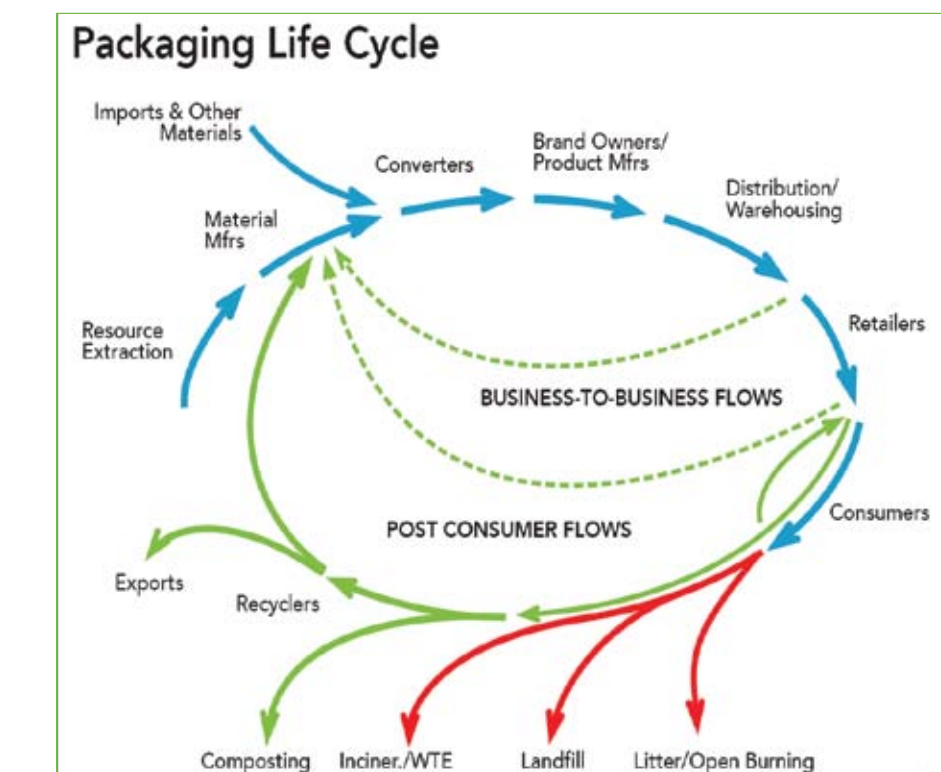
- Reducing water consumption in facilities and operations
- Investigating water reuse technologies
- Promoting water conservation efforts in the larger community

What does it look like? What can you do?

### Cradle-to-Cradle Products & Purchasing



Think about a house as a **system**



Think about the product **life-cycle**



Where does our waste go?

### New Developments in Recycling



Recycle **fabric** to make new high performance garments

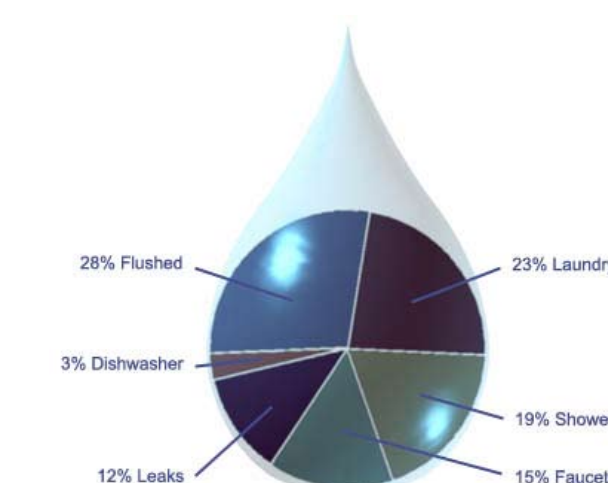


### FOOD SCRAP RECYCLING. MAKE IT SECOND NATURE.

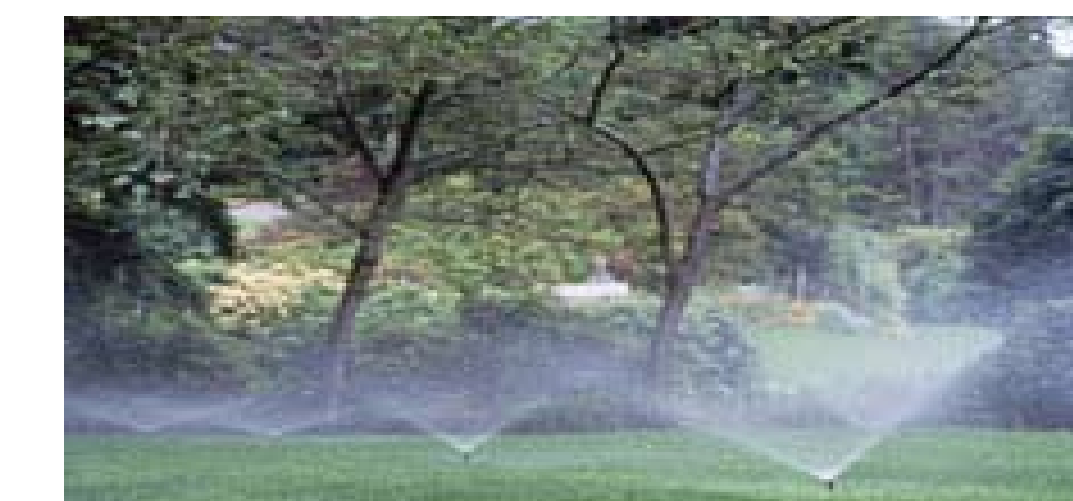
Recycle **organic waste**, **plastic bottles**, and **glass** to make compost, engineered lumber, and new glass ware



### Water Conservation



The average single family household uses **69.3** gallons of water per day



Changing landscape practices from thirsty plants to **natives** and **drought tolerant** vegetation



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## Resource Efficiency & Waste Management

### What is Shoreline doing now?

The City of Shoreline has already implemented several policies and actions to improve resource efficiency and waste management, including:

- Business solid waste reduction, recycling, and resource conservation
- Battery recycling
- Solid and hazardous waste management programs
- Responsible purchasing decisions
- Municipal composting
- Providing free woodchips at Hamlin Park

These programs are focused on improving resource efficiency and being more conscious and responsible about what we consume and dispose of in our community.

### What can Shoreline do in the future?

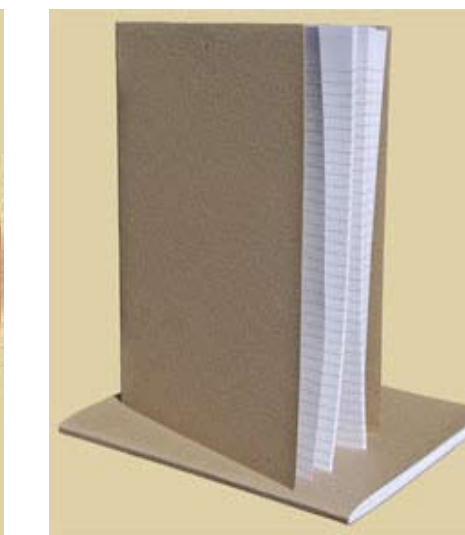
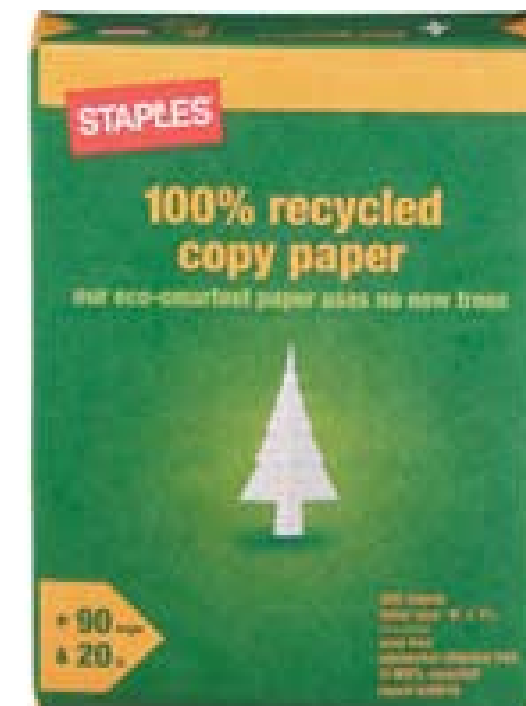
Proposed sustainable actions in resource efficiency and waste management include:

- Purchasing more recycled content products
- Building LEED certified municipal facilities
- Purchasing energy and water efficient equipment
- Adopting water reuse programs and policies
- Developing incentives and requirements for construction waste recycling
- Developing specific recycling protocols for City operations and facilities

What are the possibilities in Shoreline?  
What do **you** want to see?

### What else should we consider? How can you help us make it happen?

#### Changing our purchasing practices



Buy *recycled* and *FSC Certified* office products

#### Community Programs & Events

##### Battery Recycling

The Household Battery Collection program provides bins year-round for collection of household batteries at each of the libraries in Shoreline, as well as at City Hall, the City Hall Annex and the Shoreline Police Station.

##### Solid & Hazardous Waste Management Program

The City of Shoreline coordinates hazardous waste and recycling collection programs for residents and businesses including:

- Two Clean Sweep Recycling Events are offered annually to provide an easy and affordable way for residents to dispose of and recycle bulky household items.
- To help recycle Christmas trees, the City of Shoreline offers an annual chipping event in conjunction with various community groups that collect trees from residents.

Expand programs for *resident and business participation* in the implementation of the sustainability strategy

#### Create more recycling programs and options



Expand education programs and options for *yard waste composting* and *food scrap recycling*



Apply *green building practices* to our facilities and *require construction waste recycling* to reduce our waste stream

#### Water Conservation



Create *incentives* or *rebates* for installation of high efficiency appliances



Schedule *workshops* on drought tolerant gardening