

# STRATEGIC CLIMATE ACTION PLAN



WHAT KING COUNTY IS DOING

*to reduce greenhouse gas emissions and  
prepare for the impacts of climate change*

## Consumption and Materials Management in King County's 2012 Strategic Climate Action Plan

*Consumption in GHG Inventories and Climate Action Planning Webinar*

**Tuesday, April 9, 9:30-11 AM, PST**

Matt Kuharic, King County, Senior Climate Change Specialist

Learn more: [www.kingcounty.gov/climate](http://www.kingcounty.gov/climate)

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# King County's Strategic Climate Action Plan

## Reducing Greenhouse Gas Emissions

- Transportation and Land Use
- Energy
- Forests and Agriculture
- Consumption and Materials Management

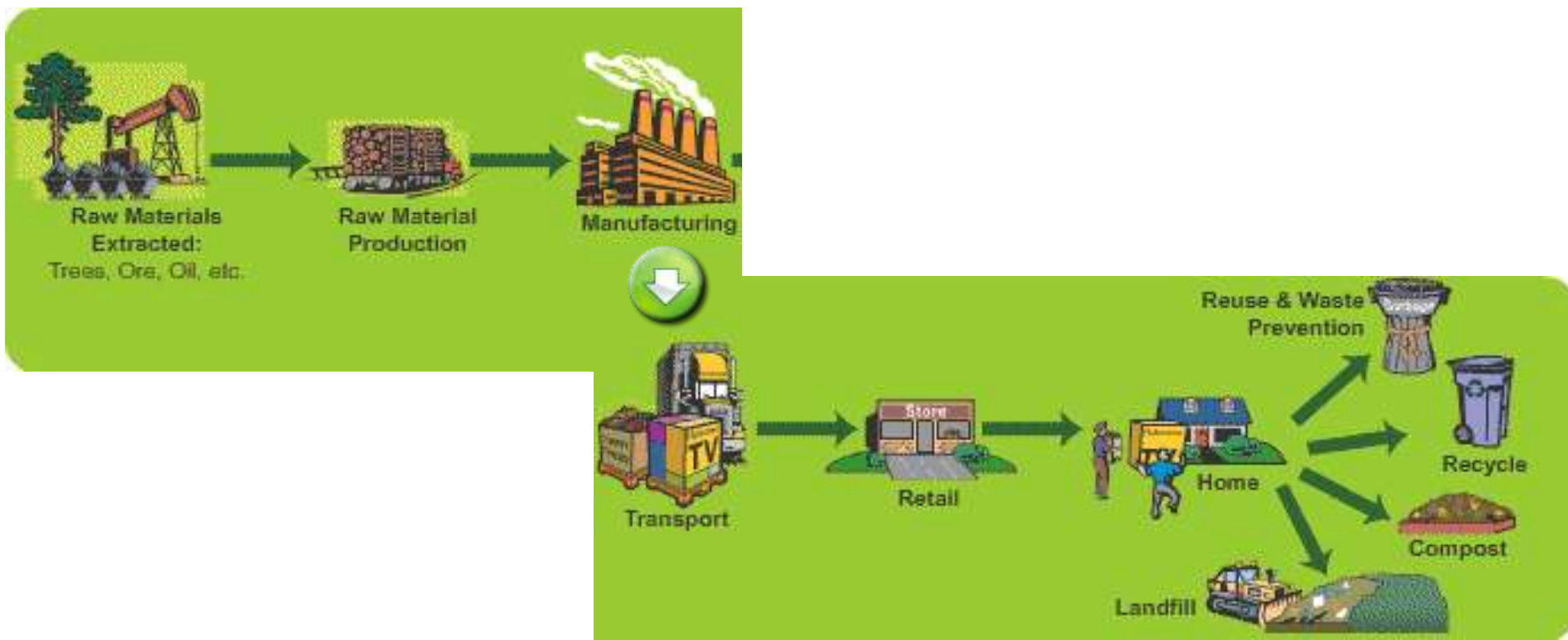
## Preparing for Climate Change Impacts

*Each goal area covers two different scales:  
County Services and County Operations*

# STRATEGIC CLIMATE ACTION PLAN

## Consumption and Materials Management

Goal Area	County Services	County Operations
<b>Consumption and Materials Management</b>	King County will encourage and support behaviors, purchasing, and waste management strategies that account for and minimize the life-cycle impacts of consumption and materials.	King County will minimize operational resource use, maximize reuse and recycling, and choose products and services that have low environmental impacts.



## **Presentation Overview:**

**Part I:** Greenhouse Gas Emissions in King County

**Part II:** Purchasing/Consumption

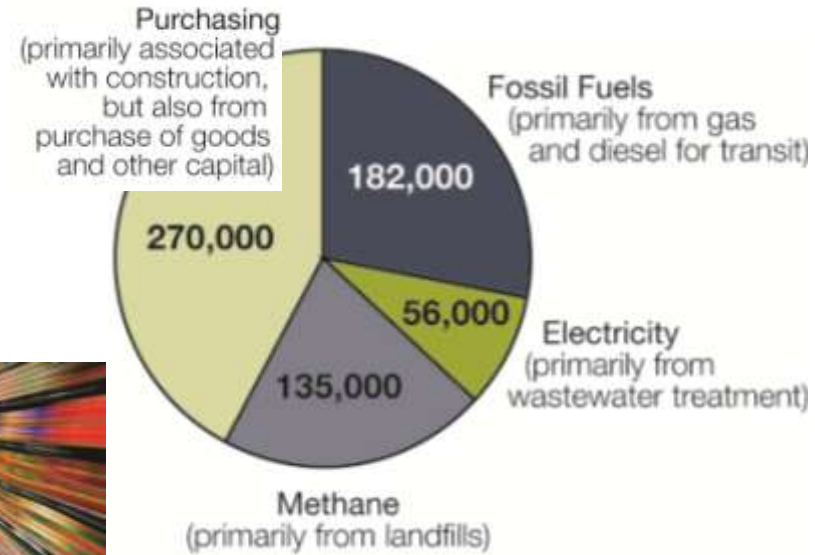
**Part III:** Waste Prevention & Reuse

**Part IV:** Briefly: Recycling & Landfills

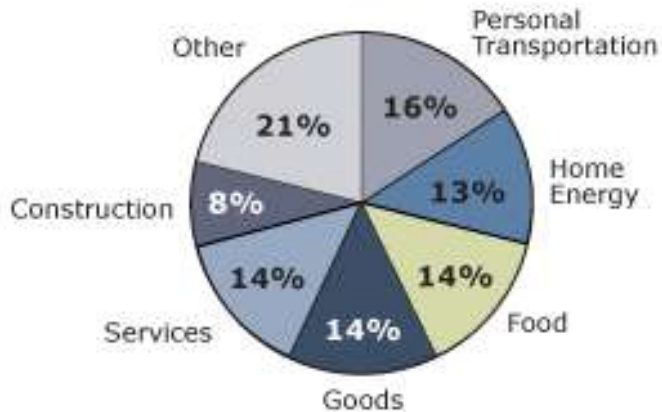
# King County & Greenhouse Gas Emissions



## King County Operational GHG Emissions



## King County Community Greenhouse Gas Emissions Total: 55 Million Metric Tons CO<sub>2</sub>e



Consumption Based Methodology  
Local and Global Emissions



# STRATEGIC CLIMATE ACTION PLAN

## **Consumption and Materials Management – King County Roles**

### **Department of Natural Resources and Parks - Solid Waste Division**

- Regional solid waste planning (except Seattle and Milton)
- Regional educational programs
- Curbside recycling and composting collection in unincorporated areas
- Recycling services at transfer stations
- Green building assistance
- Active operation of the Cedar Hills regional landfill
- Stewardship for 7 closed landfills in King County

### **Department of Natural Resources and Parks - Wastewater Treatment Division**

- Resource Recovery Program

### **Department of Executive Services – Procurement and Contract Services Section**

- Environmental Purchasing Program

### **All other King County Agencies**

- Do their part to implement Countywide policies such as the Environmental Purchasing Program, Green Building and Sustainable Development Ordinance, and recycling and waste prevention efforts

# PART II Purchasing/Consumption

## STRATEGIC CLIMATE ACTION PLAN

- **Green Building and Sustainable Development Ordinance 16147**
  - LEED for buildings; Sustainable Infrastructure Scorecard for Infrastructure
- **Sustainable Infrastructure Scorecard**
  - Prerequisite to account and mitigate for GHG emissions – calculation tool and training provided
  - Scorecard example credits – cement substitutes, alternative fuel for construction equipment



# PART II Purchasing/Consumption

## STRATEGIC CLIMATE ACTION PLAN

### County Operations

#### Environmental Purchasing Policy and Program:

*Buy recycled and environmentally preferable products “whenever practicable” [KCC 18.20]*

**\$60 million EPP  
purchases**

**\$1.5 million cost  
savings**

**(2011)**



### County Services

#### New Efforts in this area:



**TOO GOOD  
TO WASTE**





# PART II Purchasing/Consumption

## STRATEGIC CLIMATE ACTION PLAN

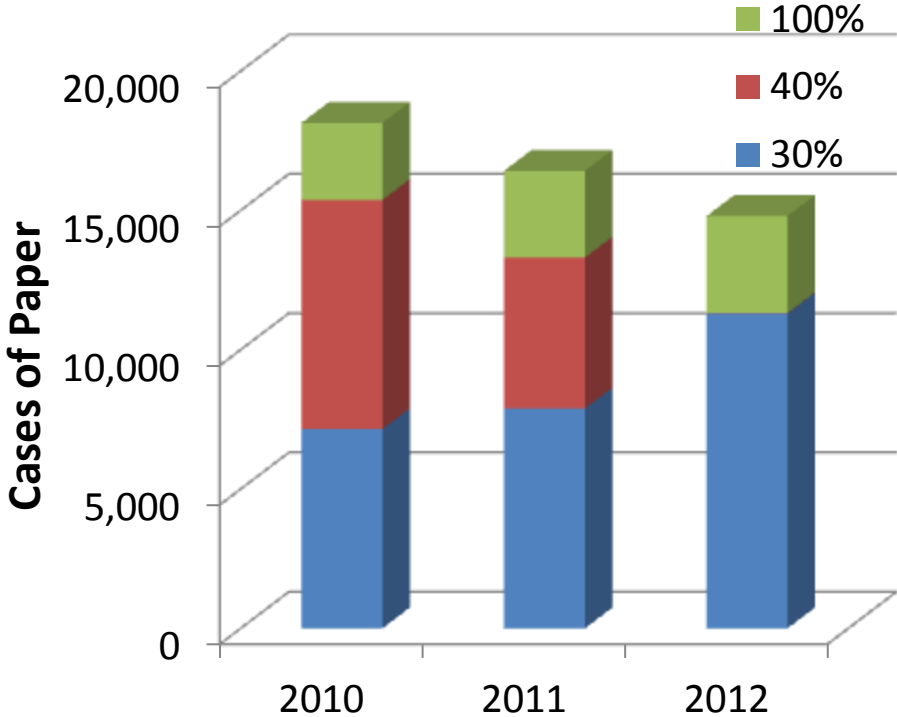
How are we doing?

### Targets

- reduce copy paper purchase by 20 % below 2010 levels by 2013
- increase purchase of 100 % recycled content to all paper

### Progress report (2012)

- reduced consumption by 20%!
- 25% of copy paper purchases – 100% recycled content
- Saved \$200,000!



# PART III

# Waste Prevention & Reuse

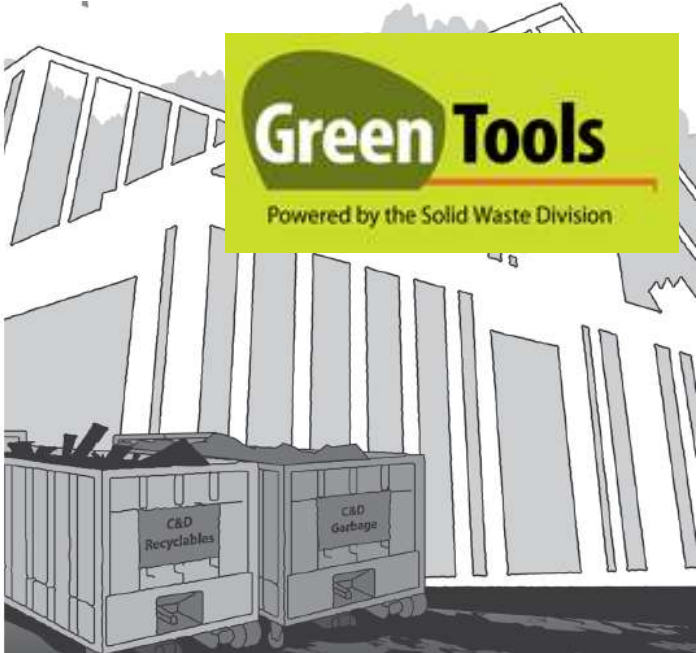
## STRATEGIC CLIMATE ACTION PLAN



Building Partnerships to Expand Markets for Recycled Materials.



### Transfer Station Modernization



# What else is under the Consumption and Materials Management Goals? Recycling & Landfills

## STRATEGIC CLIMATE ACTION PLAN



- **Recycling Progress**
  - Current recycling rate = 52%
  - 70% recycling rate by 2020
  - Zero Waste of Resources by 2030

### Minimizing Fugitive Methane Emissions



&

### Increasing Renewable Energy Production



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