

# Energy/Climate change

## Definition

- ❖ Energy includes transportation, electricity, natural gas, and embodied energy in manufacturing & food production
- ❖ Climate change & energy consumption interrelated system

Attachment 7

# What Goals Apply?

<b>Topic</b>	<b>Current Plan Chapter and Goal</b>	<b>Current Sections Included</b>
Energy and Climate Change	6: Air, Water and Land Resources Quality	6.1 Air Resources Quality
		6.3 Land Resources Quality (Solid Waste Management)
		6.4 Sound Quality
	11: Public Facilities & Services - Energy	11.5: Energy
13: Energy Conservation	Entire section.	

# Who Plans for Energy

- ❖ EPA
- ❖ State Legislature
- ❖ Dept. of Energy (State / Fed)
- ❖ DEQ
- ❖ Metro
- ❖ Clackamas County
- ❖ Allied Waste
- ❖ City of Lake Oswego

# Goal Text

## **Air Resources Quality**

Reduce air pollution and improve air quality in Lake Oswego and the Portland Metropolitan Area.

## **Land Resources Quality (Solid Waste Management)**

The City shall manage solid waste to achieve the maximum reduction of material going to landfills.

## **Energy**

The City shall ensure the availability of administrative and general government services and shall coordinate with efforts of others to provide schools, energy and communication services.

## **Energy Conservation**

The City shall conserve energy.

# How is it implemented?

- ❖ **Transportation System Plan**
- ❖ **Natural Hazards Mitigation Plan**
- ❖ **2007 Sustainability Plan**
- ❖ **Energy Efficiency & Conservation Strategy**
- ❖ **Inventories**
  - **Local Government Operations GHG Inventory**
  - **Community GHG Inventory and Climate Action Opportunities (2012)**

# Changes Since 1994:

- ❖ **State & regional goals for greenhouse gas reduction**
- ❖ **Lake Oswego Sustainability Plan for City Operations**
- ❖ **Increased recycling opportunities**
- ❖ **New opportunities and leadership in clean energy**

# Key Issues

- ❖ **Rising energy costs impact households and City operations**
- ❖ **Rising temperatures increase vulnerability**
- ❖ **Opportunities to reduce energy consumption & GHG emissions provide additional community benefits**

# Key Issues

## Energy Opportunities

- ❖ Energy efficient buildings
- ❖ Renewal energy use/production

## GHG Reduction Opportunities

- ❖ Transportation options & land use patterns
- ❖ Material selection, reuse & efficiency
- ❖ Food composting & local production
- ❖ Waste management & reduction



# Discussion

- ❖ **Factual questions re: reports**
- ❖ **Did we get it right: Have we captured the key issues?**
- ❖ **Original Goals and Policies:  
Do they still apply?**
- ❖ **Policy Questions – What should we ask in the community survey?**

# Discussion

## Policy Questions:

### In the 2010 Community Survey we asked:

**Over next 25 years, what are the 3 most important things the City/community can do to reduce its impact on the natural environment:**

- Reduce amount of materials discarded to a landfill & increase amount of materials composted, recycled, or reused. (73%)
- Increase the energy efficiency of buildings (60%)
- Walk, bike and take transit for more daily trips (48%)

# Discussion

## Policy Questions:

### In the 2010 Community Survey we asked:

**Over next 25 years, what are 3 actions do you believe you personally are most likely to take to improve environmental quality:**

- Recycle and compost/create less waste (48%)
- Conserve energy (38%)
- Shop/eat locally (36%)
- Reduce driving/rely more on walking (34%)