

# Fort Collins 2007 CLIMATE TASK FORCE



May 24, 2007

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# Agenda

**Dinner**

**Welcome by City Manager**

**Introductions**

**ICLEI video – “The Climate of Change”**

**Project Background**

**-- Break --**

**Process**

**Review Authorizing Resolution**

**Ground Rules**

**Roles & Responsibilities**

**Decision-Making**

**Public Outreach/Involvement**

**Task Force Schedule**

**Set future meetings**

**Task Force Overall Approach**

# Project Background

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# Fort Collins Joins Cities for Climate Protection Campaign

**City Council passed a resolution in July 1997, voluntarily committing to:**

- 1. Emissions Inventory and Forecast**
- 2. Adopt a reduction target**
- 3. Create an Action Plan**
- 4. Implement the Plan**
- 5. Evaluate, report, update plan**

**(CO<sub>2</sub> and CH<sub>4</sub> only)**

**I.C.L.E.I**  
Local  
Governments  
for Sustainability



# Fort Collins Joins CCP

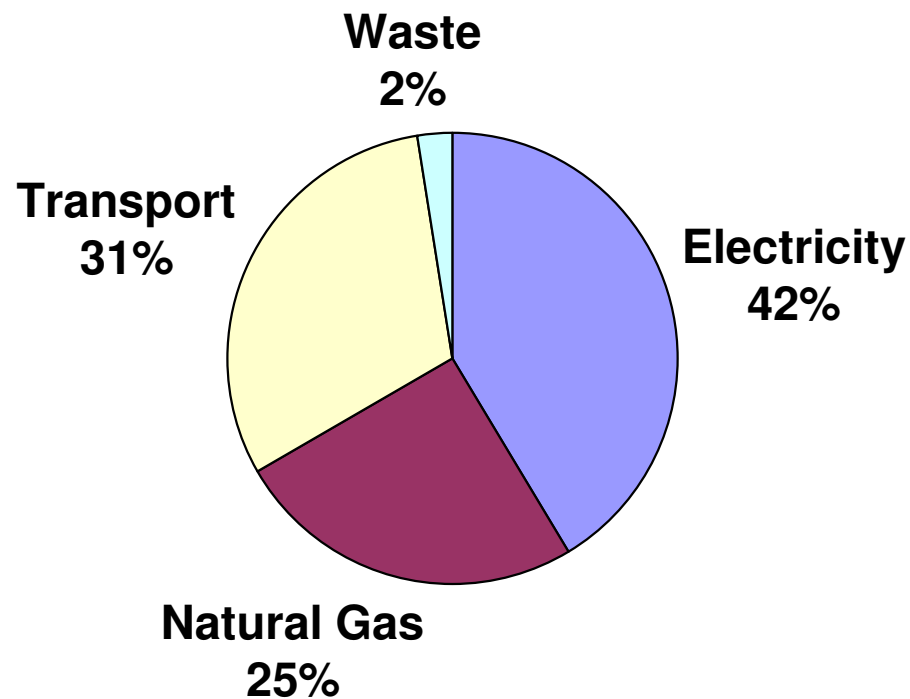
## WHY:

- **Opportunity to reduce risk**
- **Ability to influence energy use  
(Municipal Utility)**
- **Show leadership**
- **Multiple other local benefits**
- **Support community goals**

# 1990 Emissions Inventory

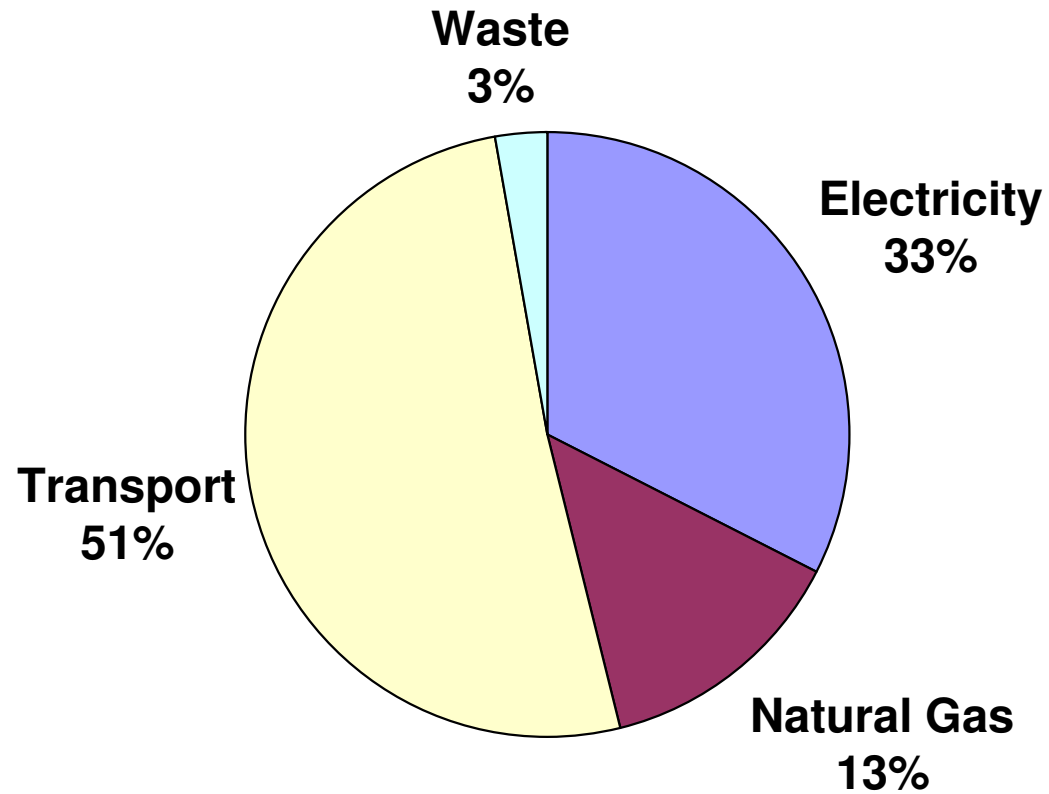
## Fort Collins 1990 Greenhouse Gas Emissions

1.366 million tons CO<sub>2</sub>e

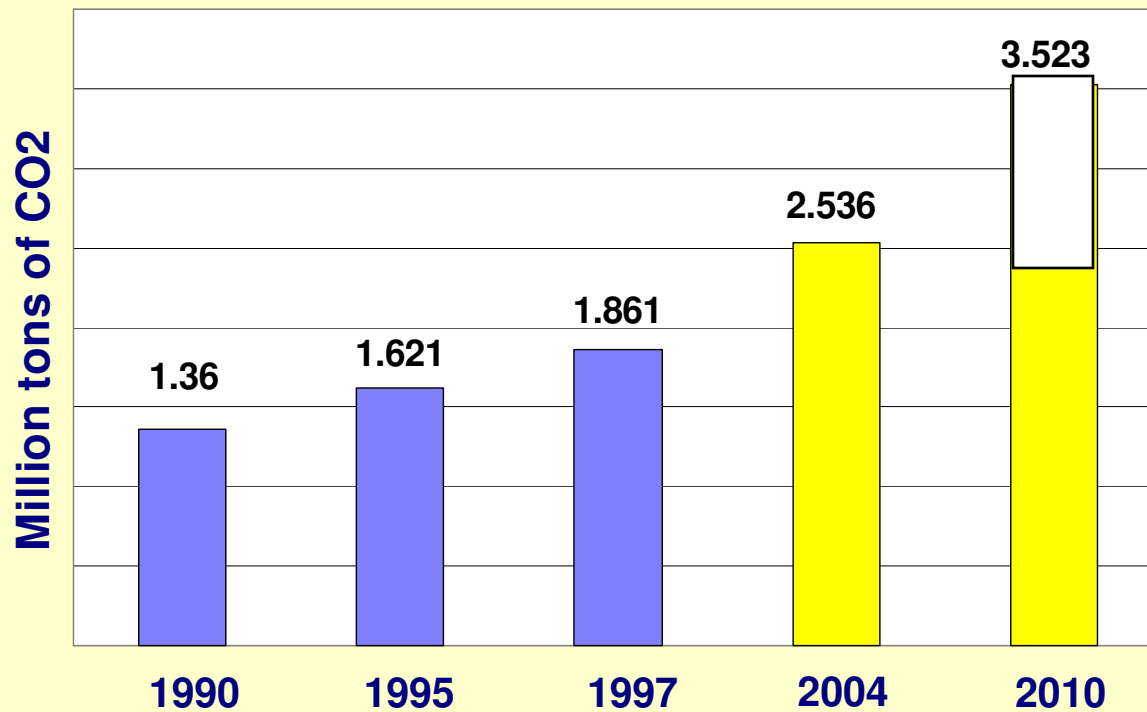


# 2010 "Worst Case" Forecast

3.523 Million Tons CO<sub>2</sub>e



# Greenhouse Gas Reduction Target



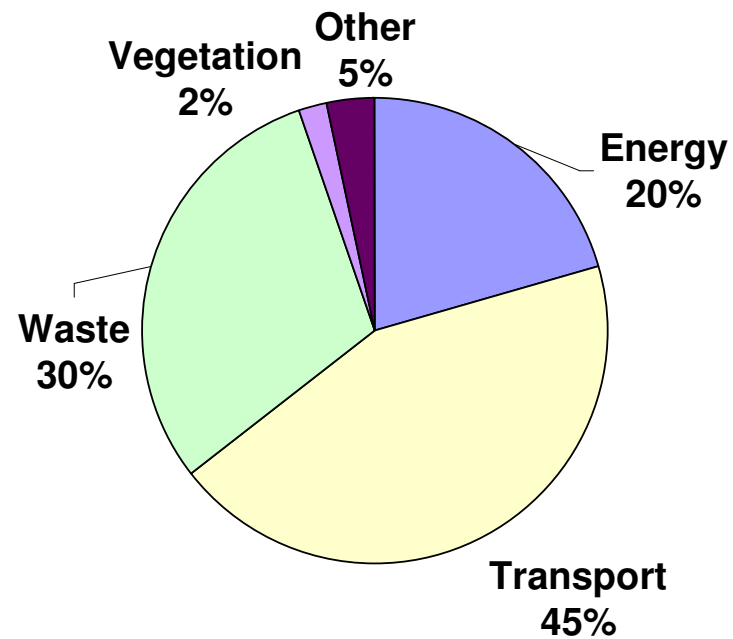
- **30 % reduction below worst-case 2010 levels, by 2010.**



# Local Action Plan (1999)

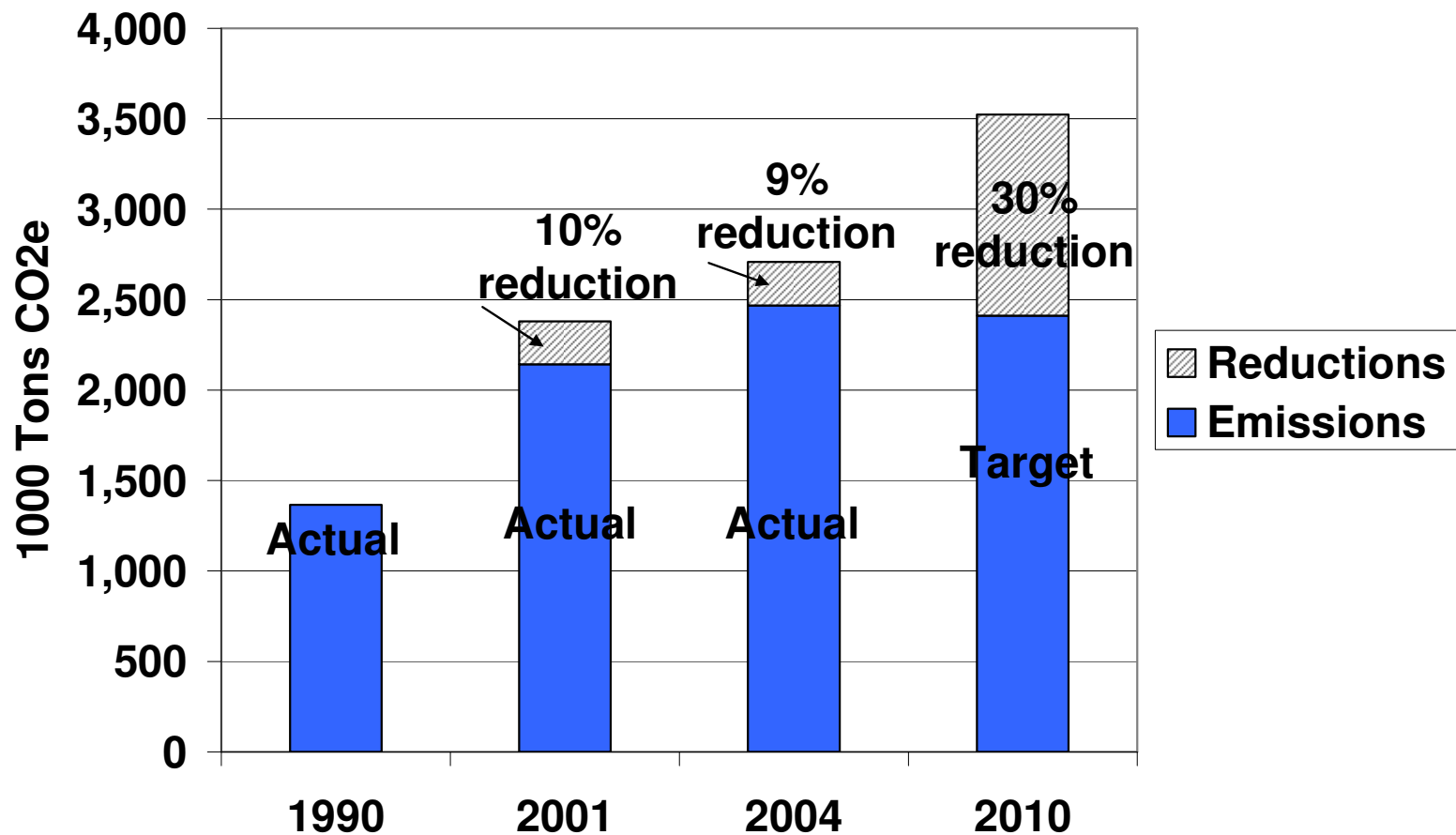
- **Energy**
- **Transportation**
- **Waste Reduction**
  
- **Vegetation**
- **Purchasing**
- **Education**

Measures in Plan to Reduce 1.11 Millions Tons CO<sub>2</sub>e



# How are we doing?

## GHG Reductions



# Energy Efficiency

## “Install LEDs in all traffic signals”



- Cost \$370,000 - Financed through lease-purchase agreement
- Measured 85% efficiency
- Saves \$110,000/year in energy & maintenance costs
- Increases traffic signal brightness

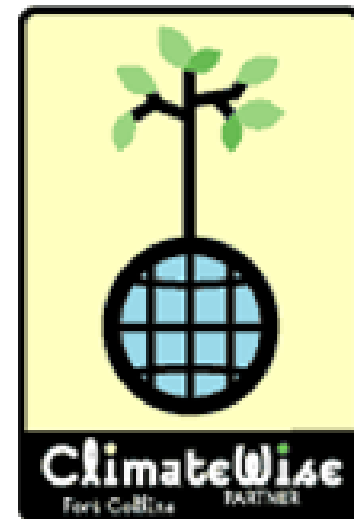
# Climate Wise

## Promotes voluntary GHG Reduction through:

- Energy efficiency
- Pollution prevention
- Waste reduction
- Transportation reduction

## Business Benefits:

- Technical assistance
- Public recognition
- Peer networking opportunities
- Carbon quantification
- Cost Savings



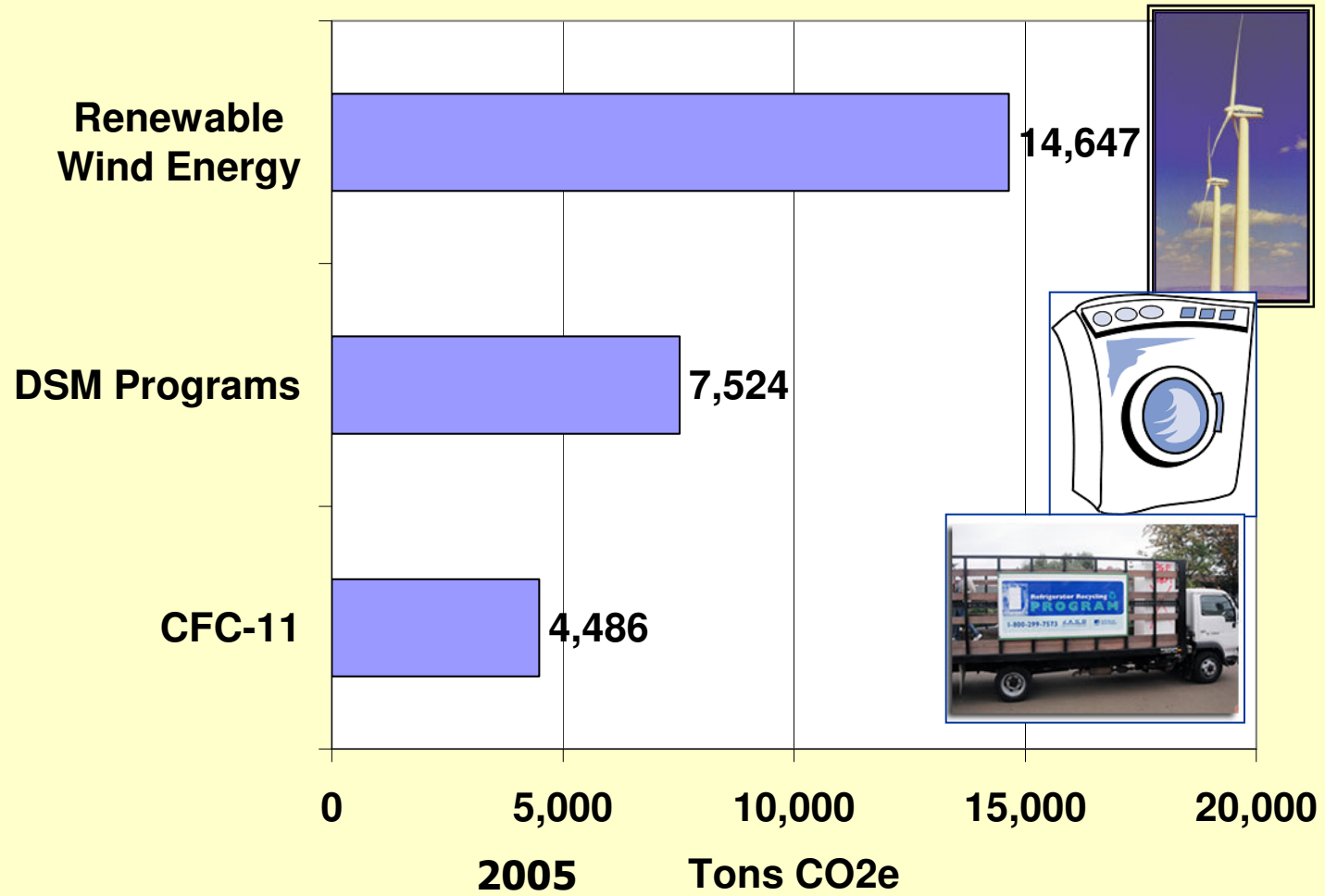
# Climate Wise 2006 Results

- **Over 45 partners**
- **63,000 tons/year eCO<sub>2</sub>**
- **Over \$2 Million in cost savings  
(Over \$6 million cumulatively  
since 2000)**

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*Climate Wise, Business Smart.*

# Electric Energy Supply Policy (2003)



# Waste Reduction

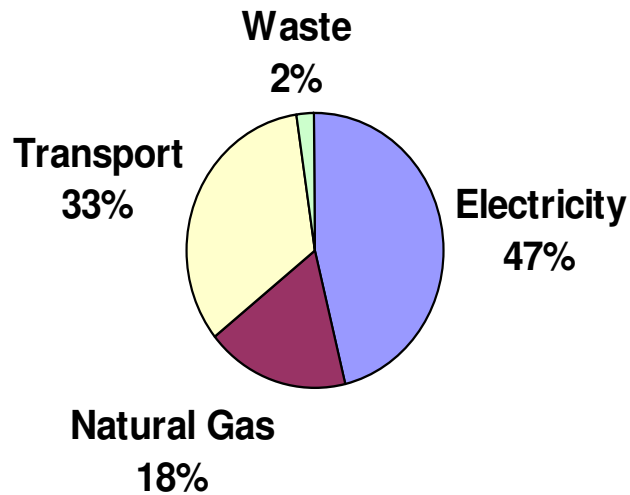


"Add a centralized recycling drop-off site"

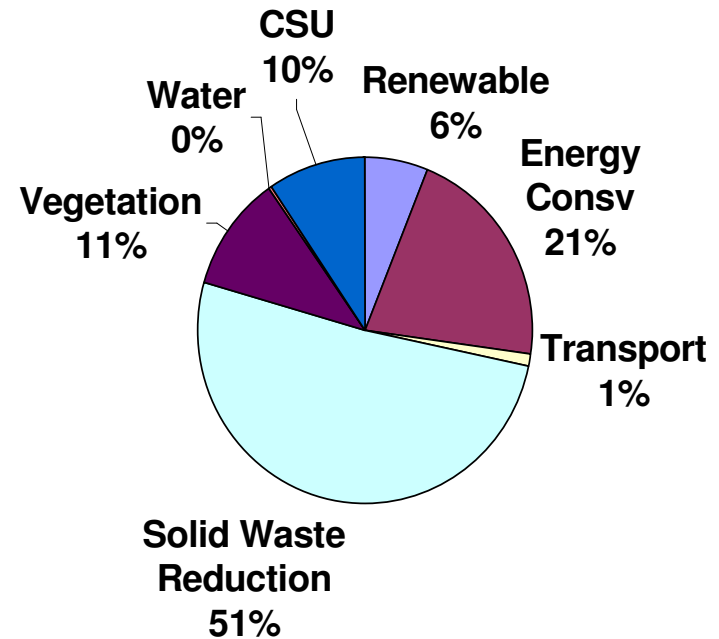
- Rivendell opened March 2002
- Tonnage now ~ 1,400 tons material/yr
- ~ 1,800 tons CO<sub>2</sub> avoided
- Added convenience for recycling

# 2004 Emissions vs. Reductions

**Fort Collins**  
**2004 Greenhouse Gas Emissions**  
**2.47 million tons CO<sub>2</sub>e**



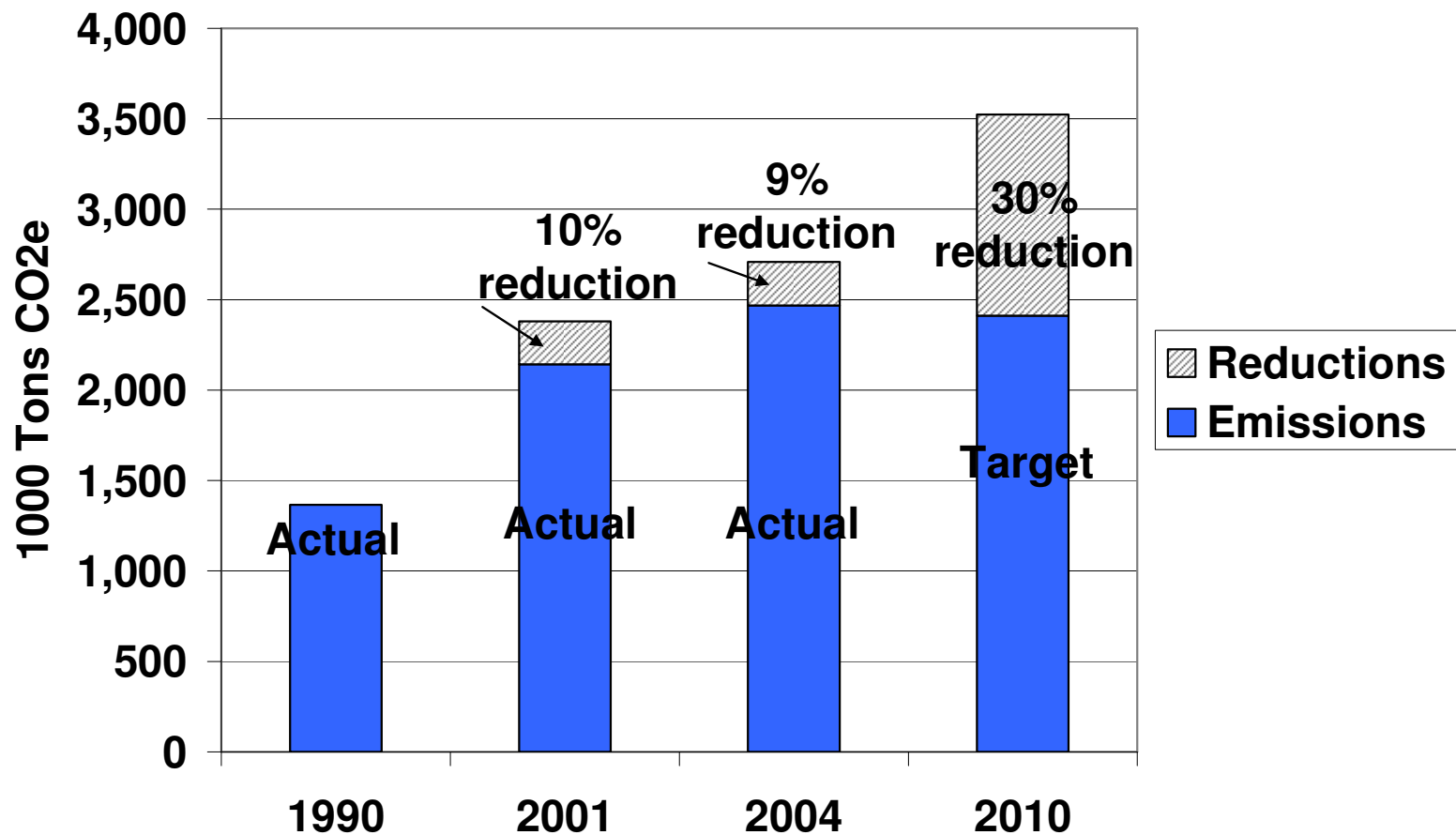
**2004 Greenhouse Gas Reductions**  
**(241,000 tons CO<sub>2</sub>e)**



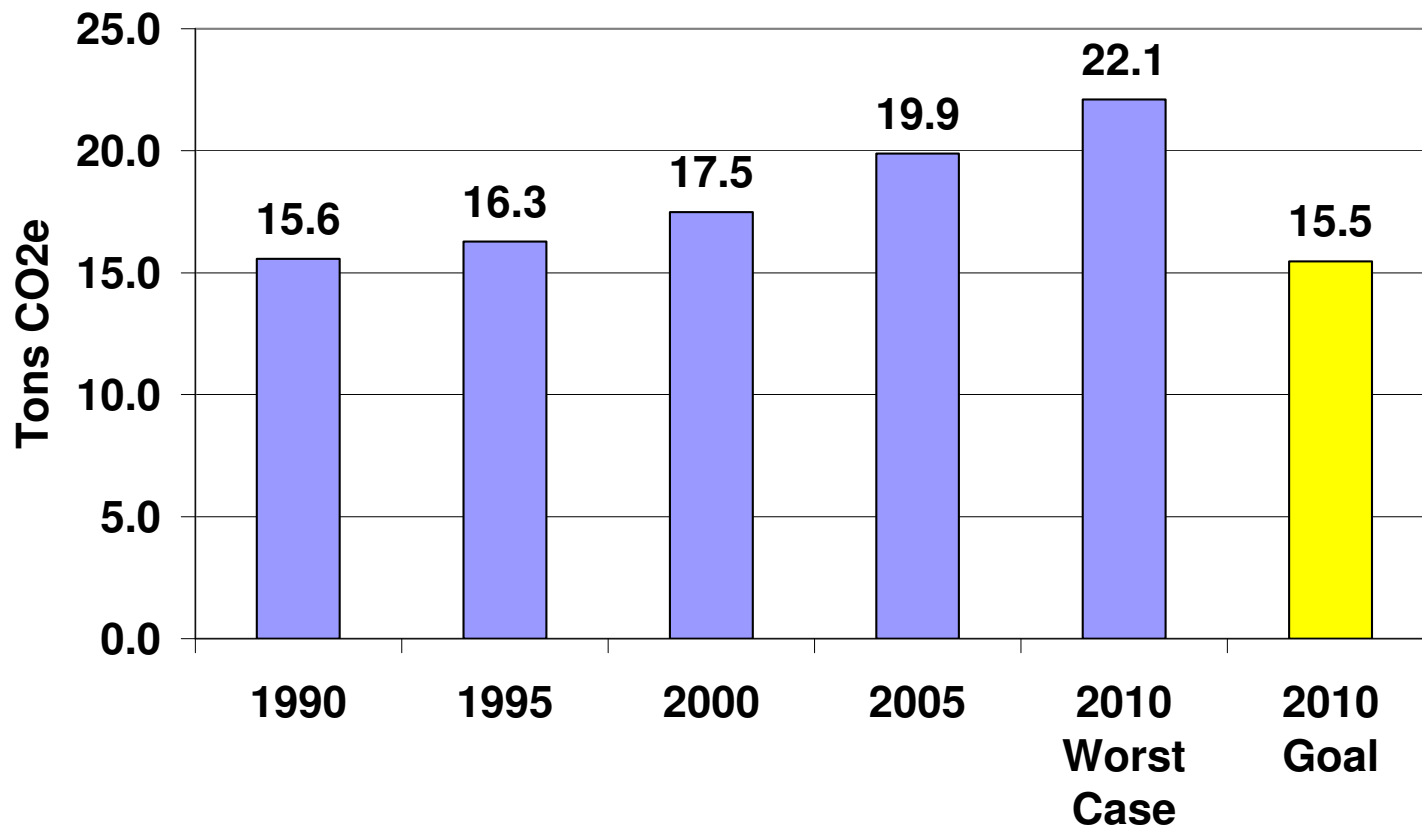


# How are we doing?

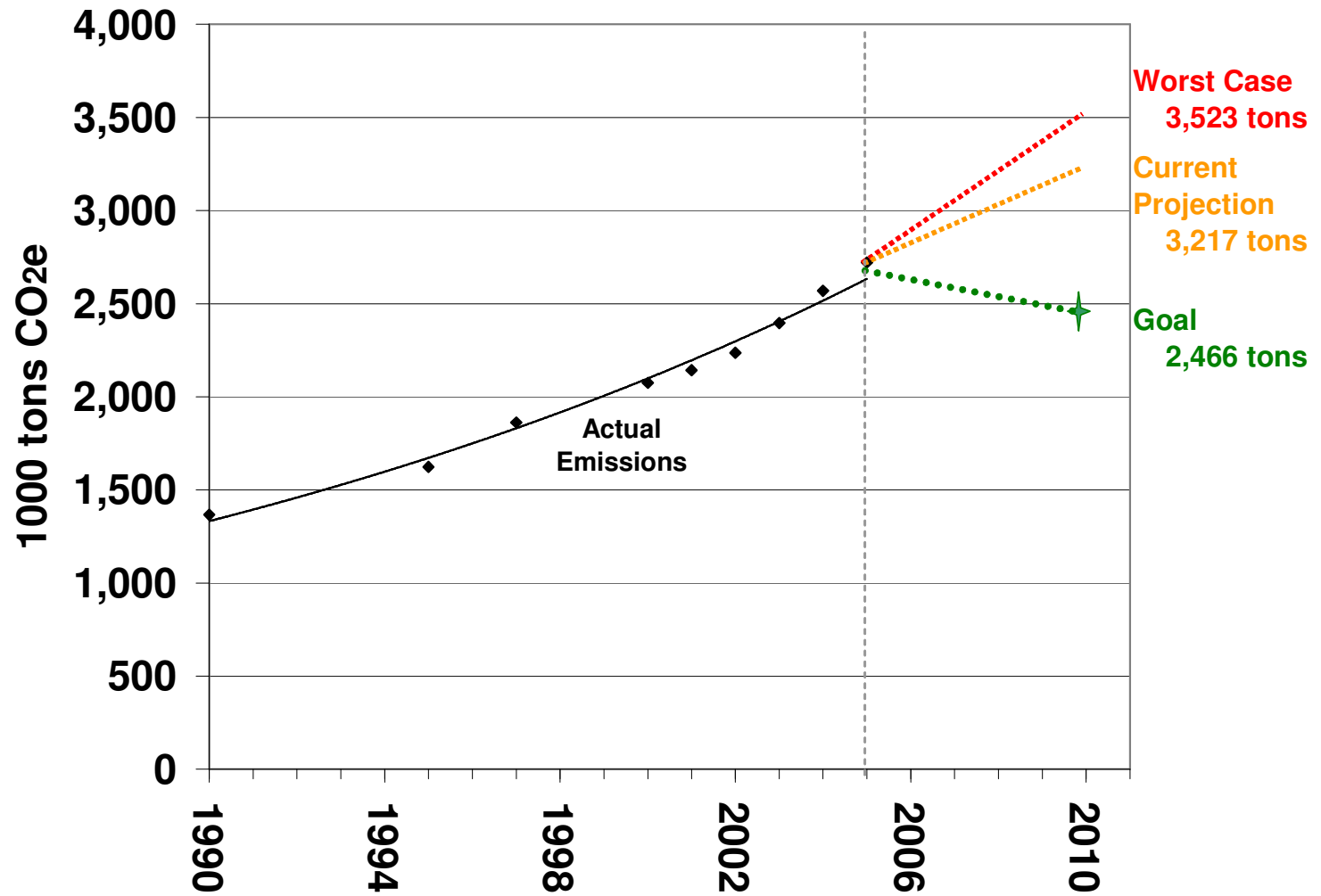
## GHG Reductions



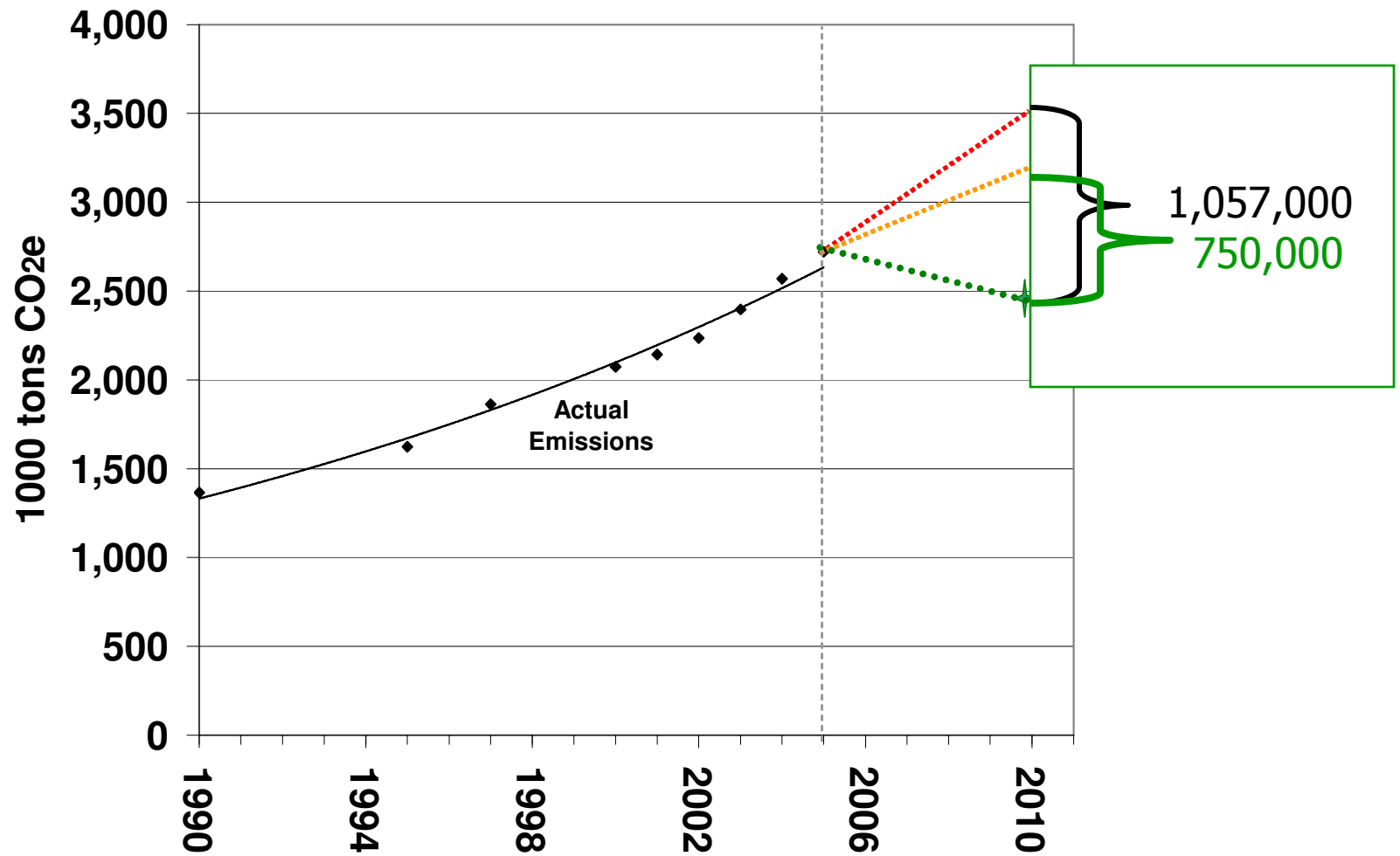
# Per Capita Emissions

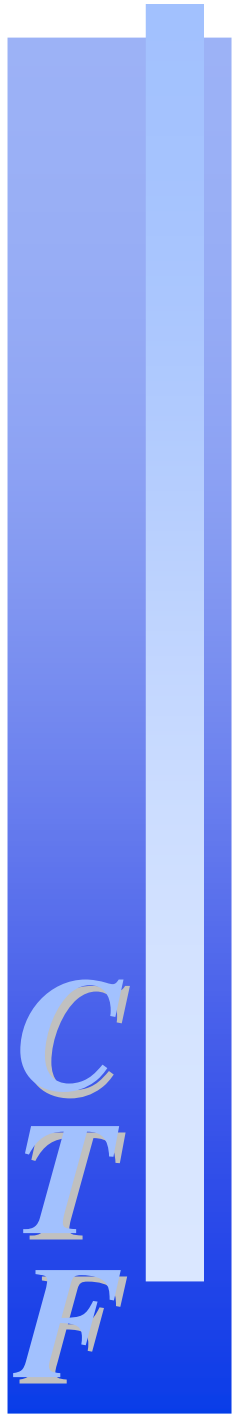


# Not on Track to Meet Goal



# How Big Is the Gap?





~ Break ~



# PROCESS

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# Authorizing Resolution

City Manager shall appoint a task force of citizens, boards & commissions, & City staff to:

- solicit input from the public and boards
- develop an updated plan that describes the steps Fort Collins could take to meet the 2010 target
- include measures in the updated plan to promote renewable energy, energy efficiency, transport efficiency and waste reduction.

# Authorizing Resolution (cont.)

- base recommendations on the most useful and defensible resources, including any relevant info from the Colorado Climate Project
- make recommendations on how the City should develop a future direction for climate protection after 2010.





# **Authorizing Resolution Deliverables**

- **An updated plan that describes the steps Fort Collins could take to meet the 2010 target**
- **Recommendations on how the City should develop a future direction for climate protection after 2010.**

# Roles & Responsibilities

## City Council

- Authorize task force via resolution
- Final decisions on future actions

## City Manager

- Appoint the Climate Task Force and receive recommendations on an updated Local Action Plan for 2010 and on a process to develop a future GHG goal for Fort Collins

# Roles & Responsibilities

## Climate Task Force

- Participate with valuable expertise and perspective
- Recommend methods for gaining input into the process
- Provide suggestions for measures
- Ensure coordination with ongoing related measures in the community
- **NEW - Seek feedback from the organization you represent and consider your organization's contribution to emissions and reductions**
- Consider the developments of the Colorado Climate Project
- Develop an updated plan to meet the 2010 goal
- Recommend how the City should develop a future direction for climate protection



# Roles & Responsibilities

## Technical Consultants

- Provide technical expertise
- Research cost:benefit of select strategies; present information
- Consult on strategy and logistics
- Assist with public outreach
- Assist with presenting recommendations to Council

## Facilitator

- Facilitate the meetings
- Consult on strategy and logistics



# Roles & Responsibilities

## Project Coordinator

- Assist City Manager in convening the Task Force
- Provide meeting support
- Gather, prepare and present information
- Plan and implement public outreach
- Prepare periodic SIT and Council updates
- Present recommendations to Council

## City's Energy Management Team

- Assist with data collection on existing measures
- Provide suggestions on new measures
- Obtain feedback from their department
- Provide iterative feedback into process

# Ground Rules

- **Participants must support the process and its concept fully and collaborate toward goals of the Climate Task Force in good faith.**
- **Participants must attend meetings and be responsible for keeping up with information and decision of the group.**
- **No backsliding is allowed regarding formal decisions in the stepwise process. Once the Task Force reaches adequate consensus on a milestone by vote, it moves to the next step.**

## **Ground Rules (cont.)**

- **Participants speak only for themselves in communication about the Task Force with the media or other political bodies.**
- **Participants must refrain from personal criticisms and provide objective, fact-based comments.**



# Decision-Making

- Strive for consensus
- Vote at key milestones
- Identify levels of support (unanimous, super majority, simple majority)
- If less than a (super majority/consensus), identify barriers to consensus
- Identify alternative solutions and seek to resolve barriers

Minority opinion will be documented

Task Force members, as citizens, always retain their right to address Council





# Public Outreach

- **Internet**
- **Public Events**
- **Meetings with civic groups**
- **City Council Advisory Board input**
- **Via the Task Force ??**
- **Within the City Organization**

## Draft SCHEDULE

Month	Tasks	Topics
May 24	1 <sup>st</sup> Meeting	<ul style="list-style-type: none"> <li>▪ Project Background</li> <li>▪ Review/Discuss Process</li> <li>▪ Discuss Public Outreach</li> <li>▪ Discuss Overall Approach</li> <li>▪ Introduce list of measures</li> </ul>
June	Public Open House	
June	2 <sup>nd</sup> Meeting	<ul style="list-style-type: none"> <li>▪ Review Open House info</li> <li>▪ Discuss inventory and forecast</li> <li>▪ Review list of measures</li> <li>▪ Discuss filtering process if needed</li> </ul>
July	3 <sup>rd</sup> meeting	<ul style="list-style-type: none"> <li>▪ Continued review of measures</li> <li>▪ Filter strategies if needed</li> </ul>
Aug	4 <sup>th</sup> meeting	<ul style="list-style-type: none"> <li>▪ Review measure detailed analysis; is more info needed?</li> </ul>
Sep	5 <sup>th</sup> meeting	<ul style="list-style-type: none"> <li>▪ Complete Review</li> <li>▪ Develop initial recommendation/prioritization</li> <li>▪ Discuss funding options</li> </ul>
Oct	Public Open House	
Oct	Citizen Advisory Board input	
Oct	6 <sup>th</sup> meeting	<ul style="list-style-type: none"> <li>▪ Review public input</li> <li>▪ Finalize draft plan</li> <li>▪ Discuss Future Direction</li> </ul>
Nov	Council work session	
Nov	7th meeting	<ul style="list-style-type: none"> <li>▪ Finalize plan and future process</li> </ul>
Dec	Citizen Advisory Board input	
Jan15, 08	Council Action	

Gray shading indicates Public Input

# Set Future Meetings

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# Overall Approach

- Now that you've heard how the original plan was developed...
- Should our approach differ this time since we've already quantified the goal and the gap?
- Should our approach differ knowing we only have 2+ years left to reach it?
- What portion of this project should focus on closing the existing gap versus looking beyond 2010?

**Top-Down versus Bottom-Up**  
**How wide to cast the net**



# What Can Help Fill the Gap – things afoot in the Fort

- **Growth in Renewable Energy**
- **Growth in Demand Side Management**
- **Growth of Climate Wise**
- **Increased waste diversion from the landfill**
- **Green building in Fort Collins**
- **2004 Residential energy code  
(and coming commercial code update)**
- **Carbon sequestration in restored natural areas**
- **CSU Green Power Project**
- **FortZED – DOE Jump Start Zone**
- **PSD SMS – Greenhouse Gas Goal**

## What Else Can Help – recent state legislation

- **Increased RPS to 20% by 2020  
(excludes muni's)**
- **Financial incentives for waste reduction/  
recycling**
- **LEED for state buildings if payback is < 5 years**
- **Incentives to homeowners**
- **Clean Energy Fund**
- **Allows municipalities to create forest  
improvement district**

## What Else Can Help – CAP proposals under evaluation

Topic	# of Policy Proposals
Residential, commercial, industrial	10
Energy Supply	17
Transportation	11
Ag, Forestry, Waste	10
Cross Cutting Issues	9

# What Else Can Help – example CAP Proposals relevant to Us

- **Higher RPS with muni's included**
- **Cost for CO2 emissions (cap and trade or tax)**
- **Incentives for DG, Smart Grids**
- **Expanded DSM**
- **Inverted block rates to fund energy efficiency**
- **Targeting small & medium businesses**
- **Landfill methane energy programs**
- **Source reduction, recycling, composting**
- **Incentives or standards for low ghg vehicles**
- **Improve and expand transit**
- **Fuel tax and variable-priced insurance**





## What Else Can Help – ideas from Denver

- Corporate and residential climate challenge
- Voluntary travel offset program
- Tiered rates for electric and natural gas
- Work toward carbon neutral city buildings
- Time of sale energy conservation ordinance

**THANK YOU!!**

**[fcgov.com/ctf](http://fcgov.com/ctf)**

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