

Fort Collins 2007 CLIMATE TASK FORCE



May 24, 2007

CTF



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**

(CO₂ and CH₄ only)





Fort Collins Joins CCP

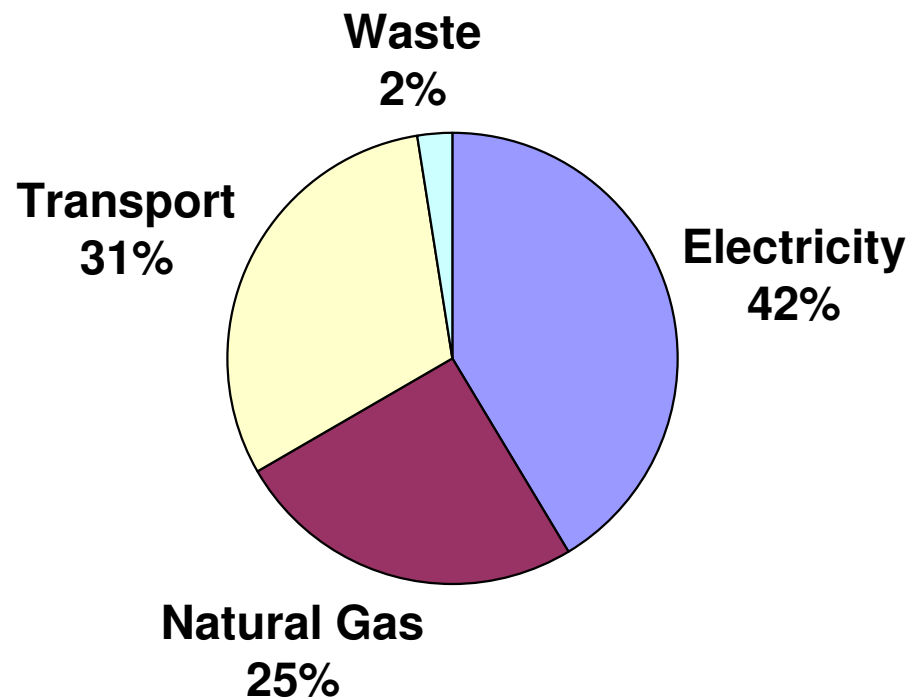
WHY:

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

1990 Emissions Inventory

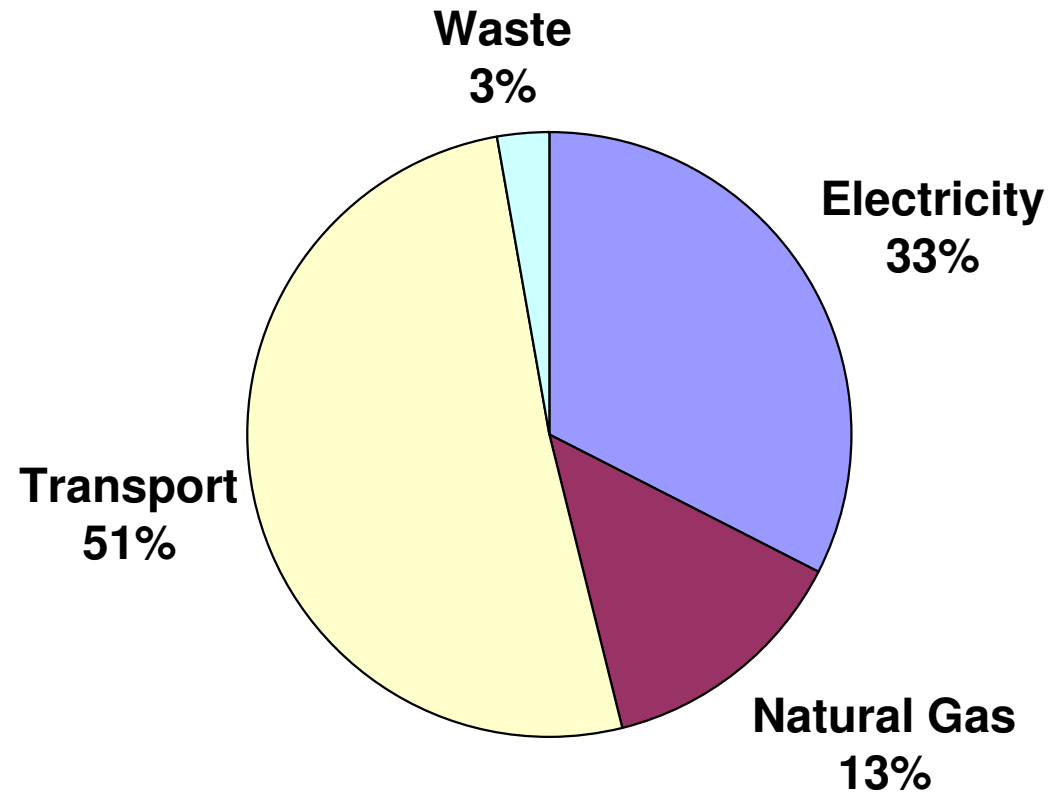
Fort Collins 1990 Greenhouse Gas Emissions

1.366 million tons CO_{2e}

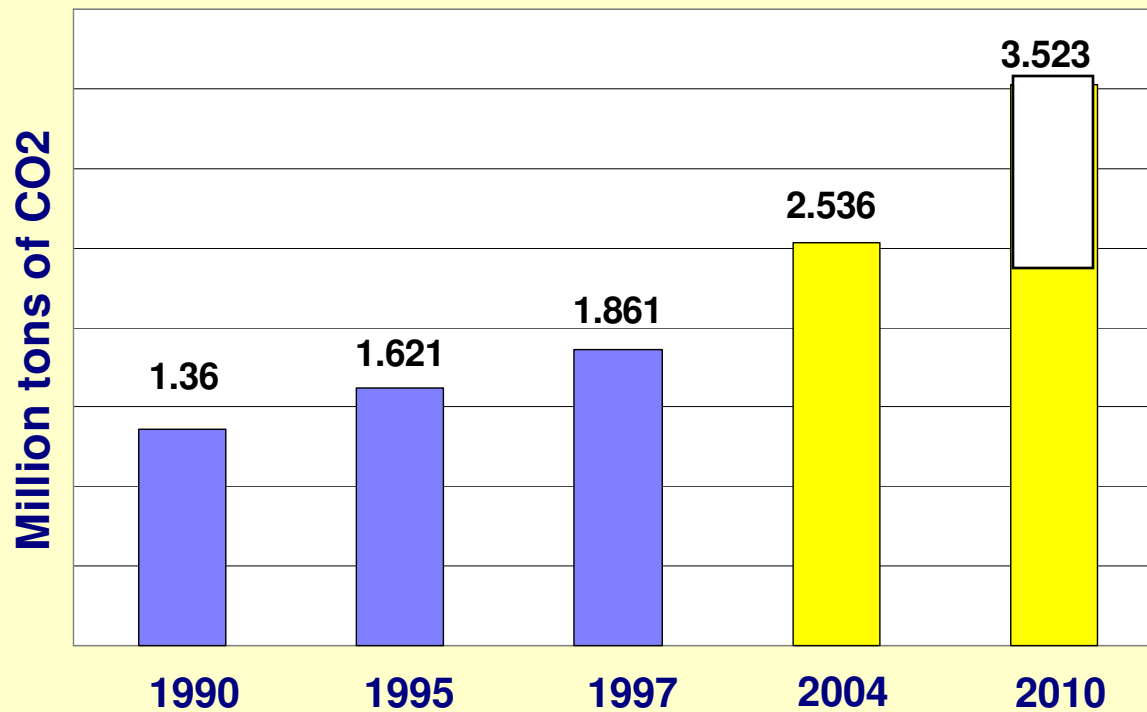


2010 "Worst Case" Forecast

3.523 Million Tons CO_{2e}



Greenhouse Gas Reduction Target



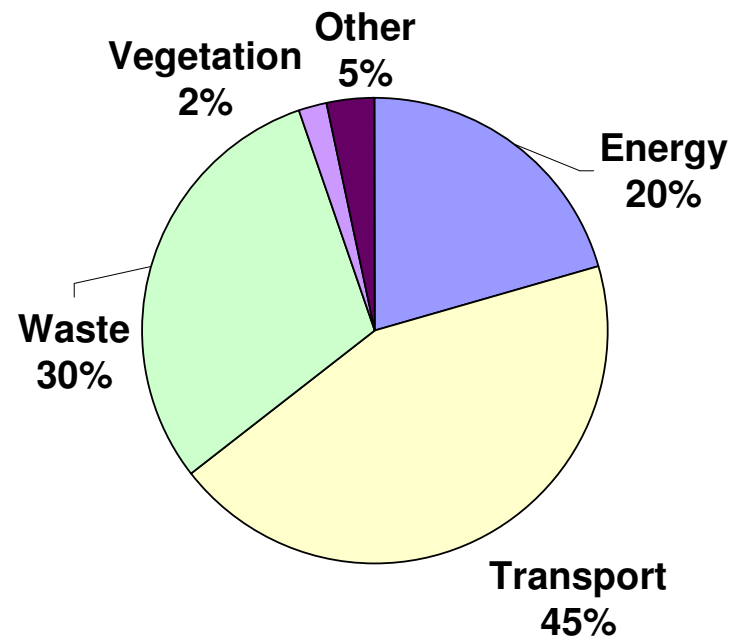
- **30 % reduction below worst-case 2010 levels, by 2010.**

Local Action Plan (1999)

- **Energy**
- **Transportation**
- **Waste Reduction**

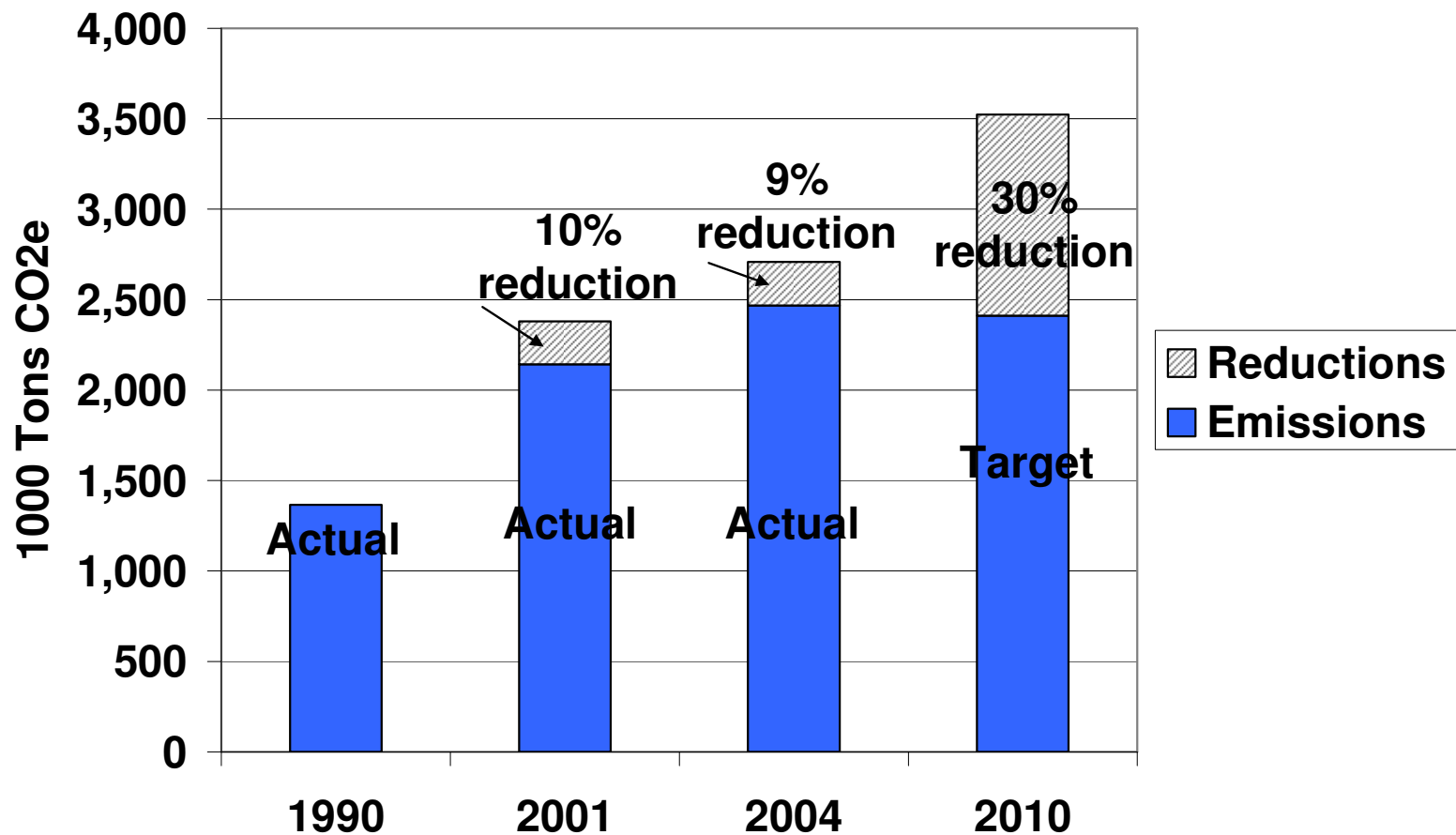
- **Vegetation**
- **Purchasing**
- **Education**

Measures in Plan to Reduce 1.11 Millions Tons CO₂e



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

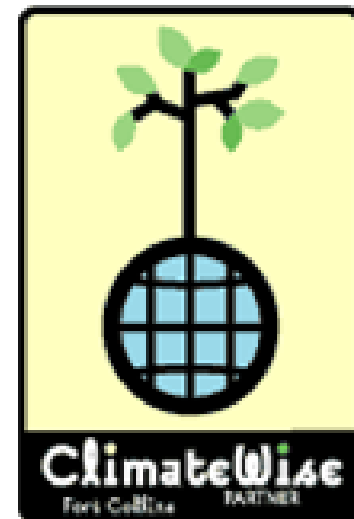
Climate Wise

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



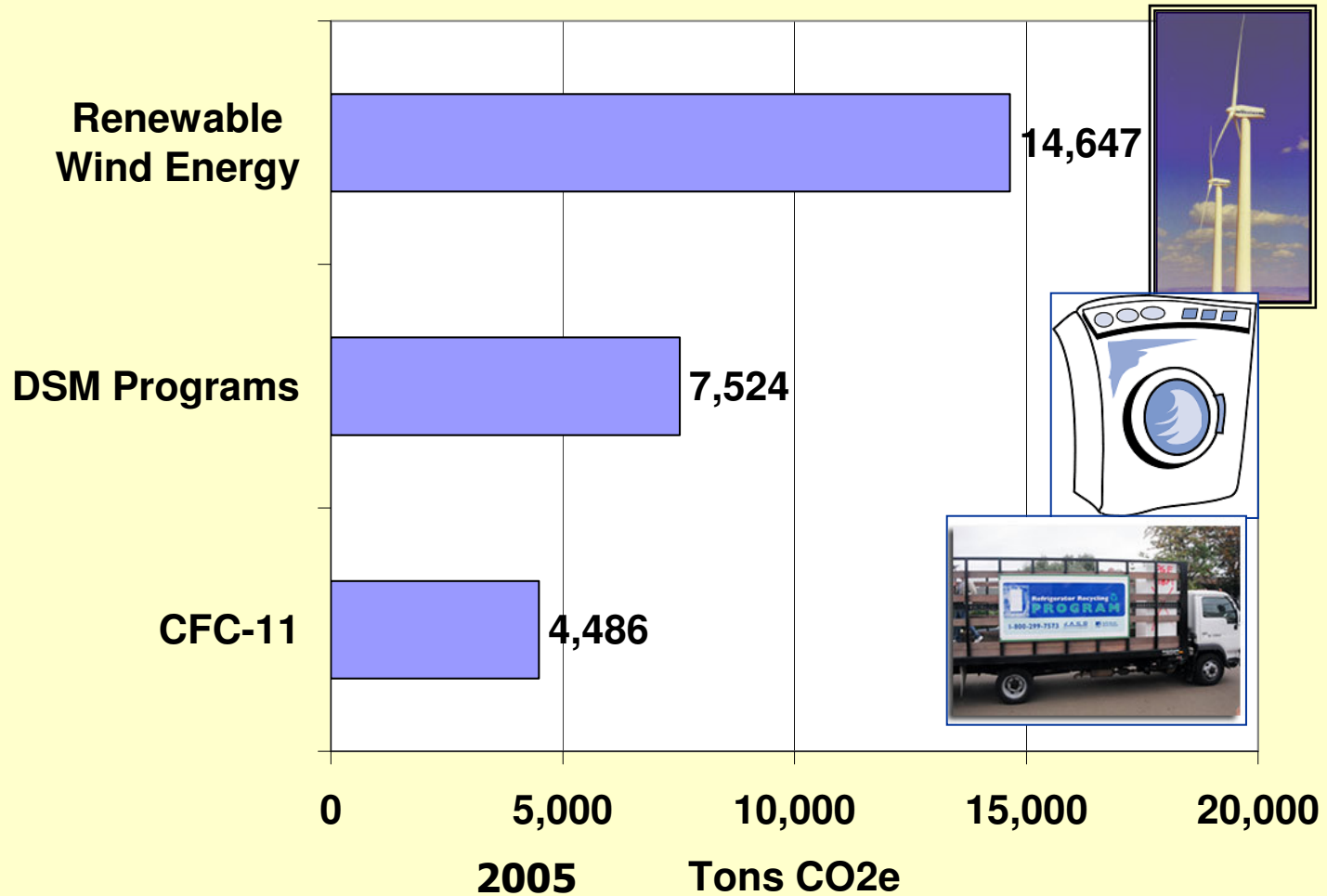
Climate Wise 2006 Results

- **Over 45 partners**
- **63,000 tons/year eCO₂**
- **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

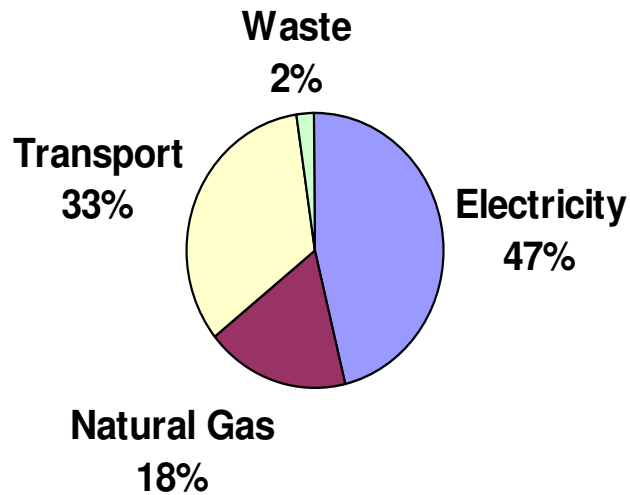


"Add a centralized recycling drop-off site"

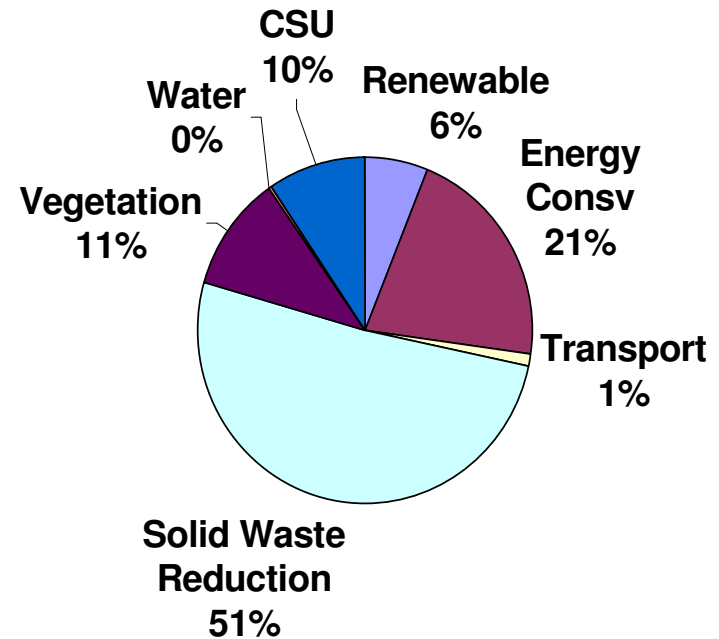
- Rivendell opened March 2002
- Tonnage now ~ 1,400 tons material/yr
- ~ 1,800 tons CO₂ avoided
- Added convenience for recycling

2004 Emissions vs. Reductions

Fort Collins
2004 Greenhouse Gas Emissions
2.47 million tons CO₂e

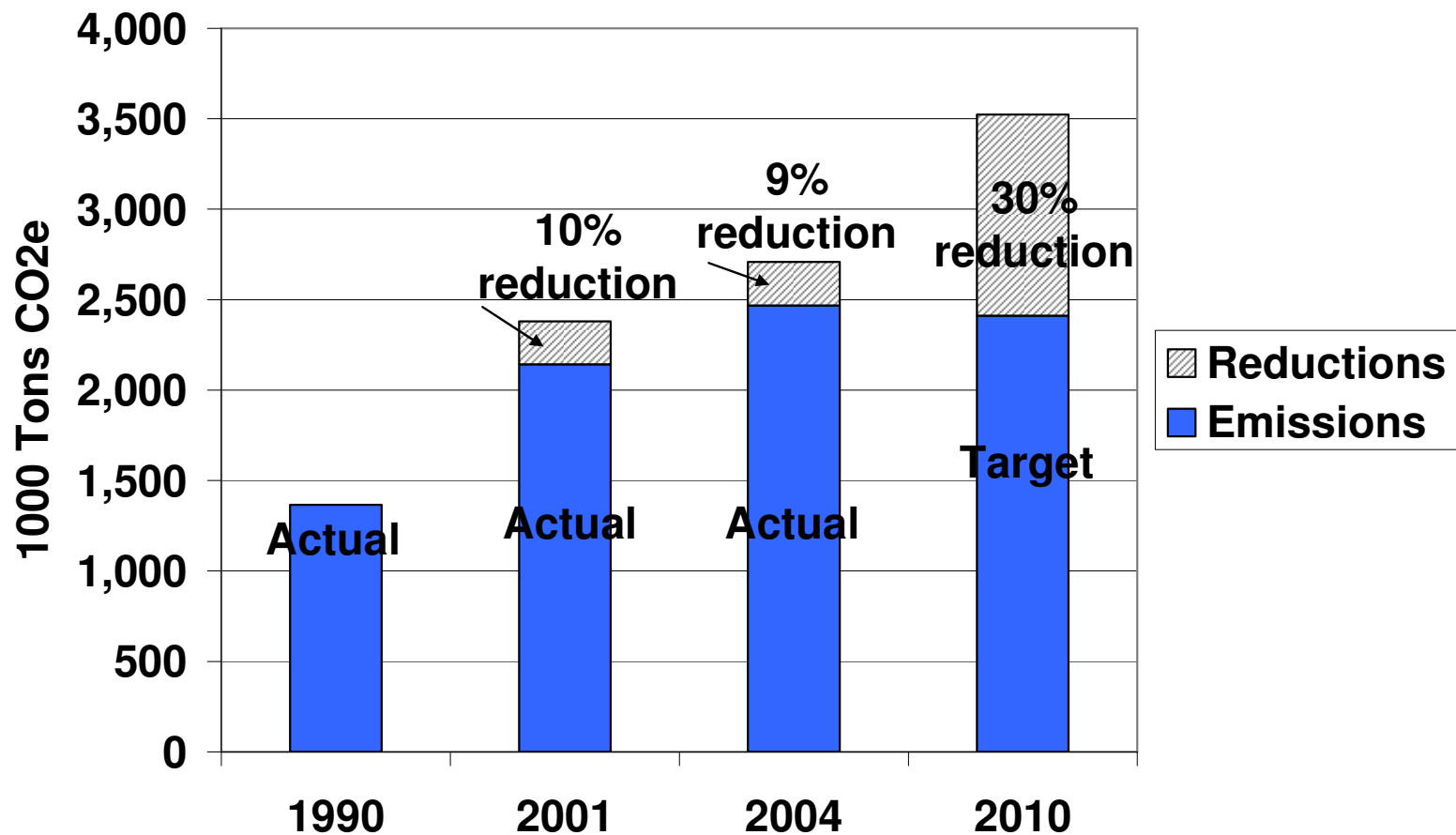


2004 Greenhouse Gas Reductions
(241,000 tons CO₂e)

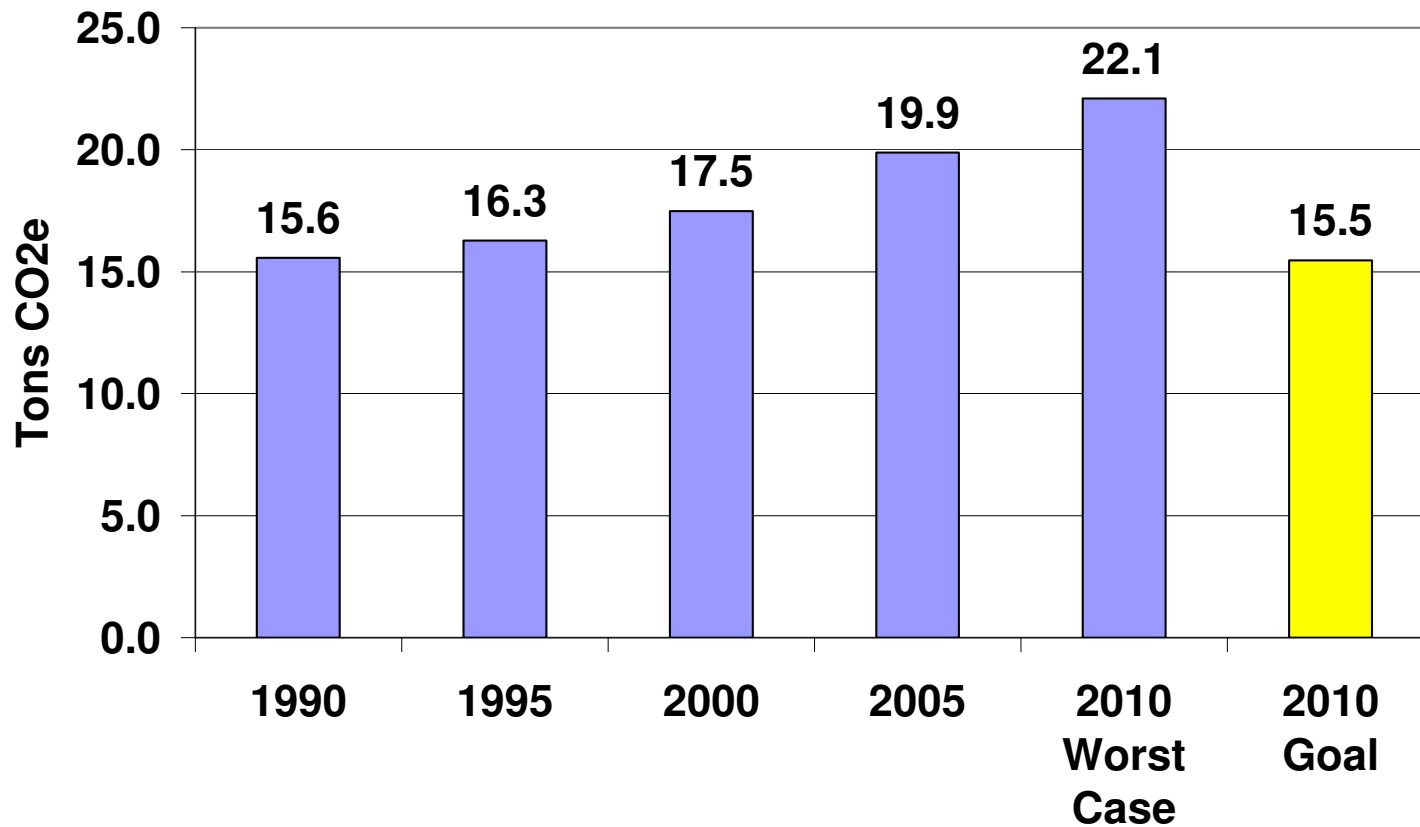


How are we doing?

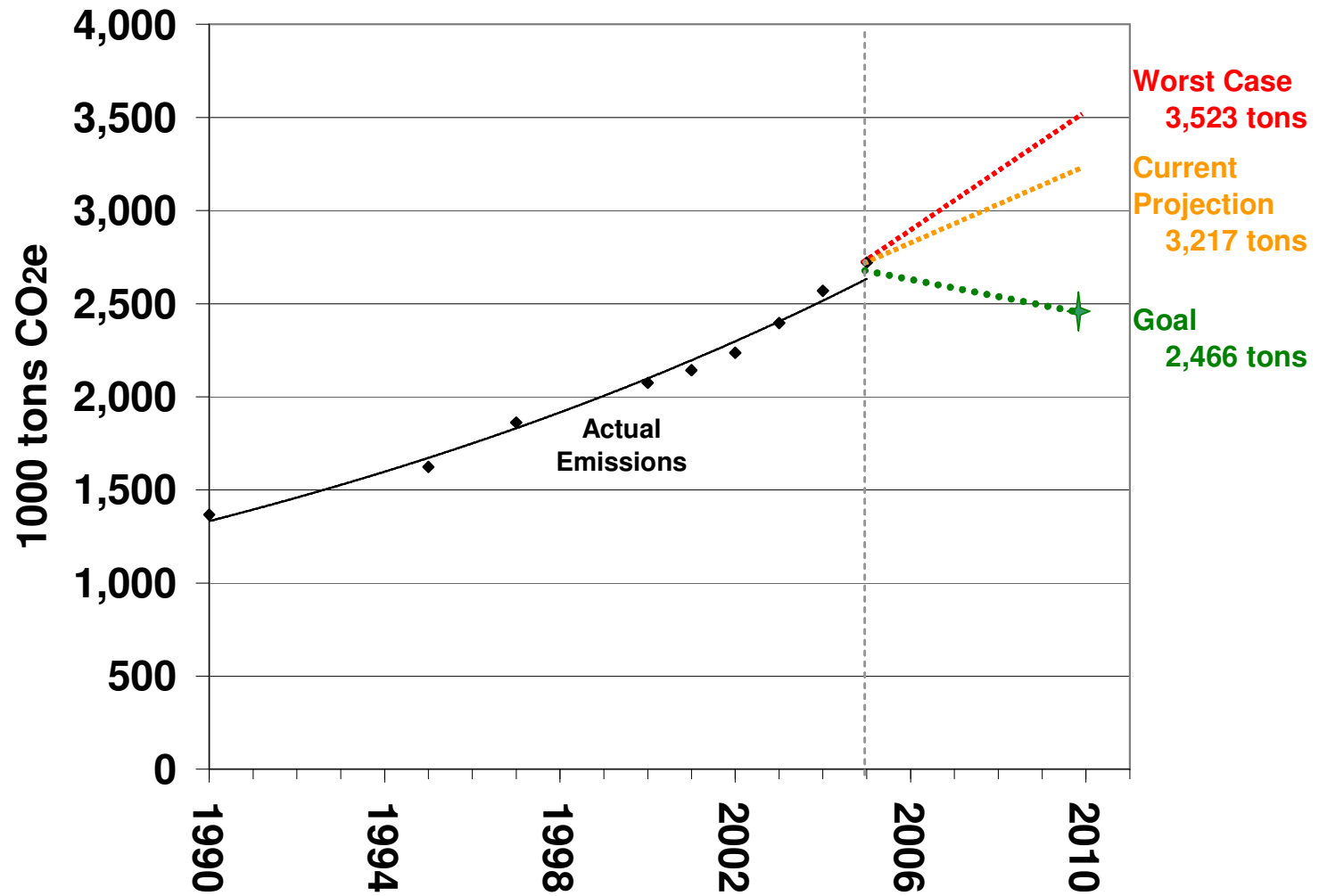
GHG Reductions



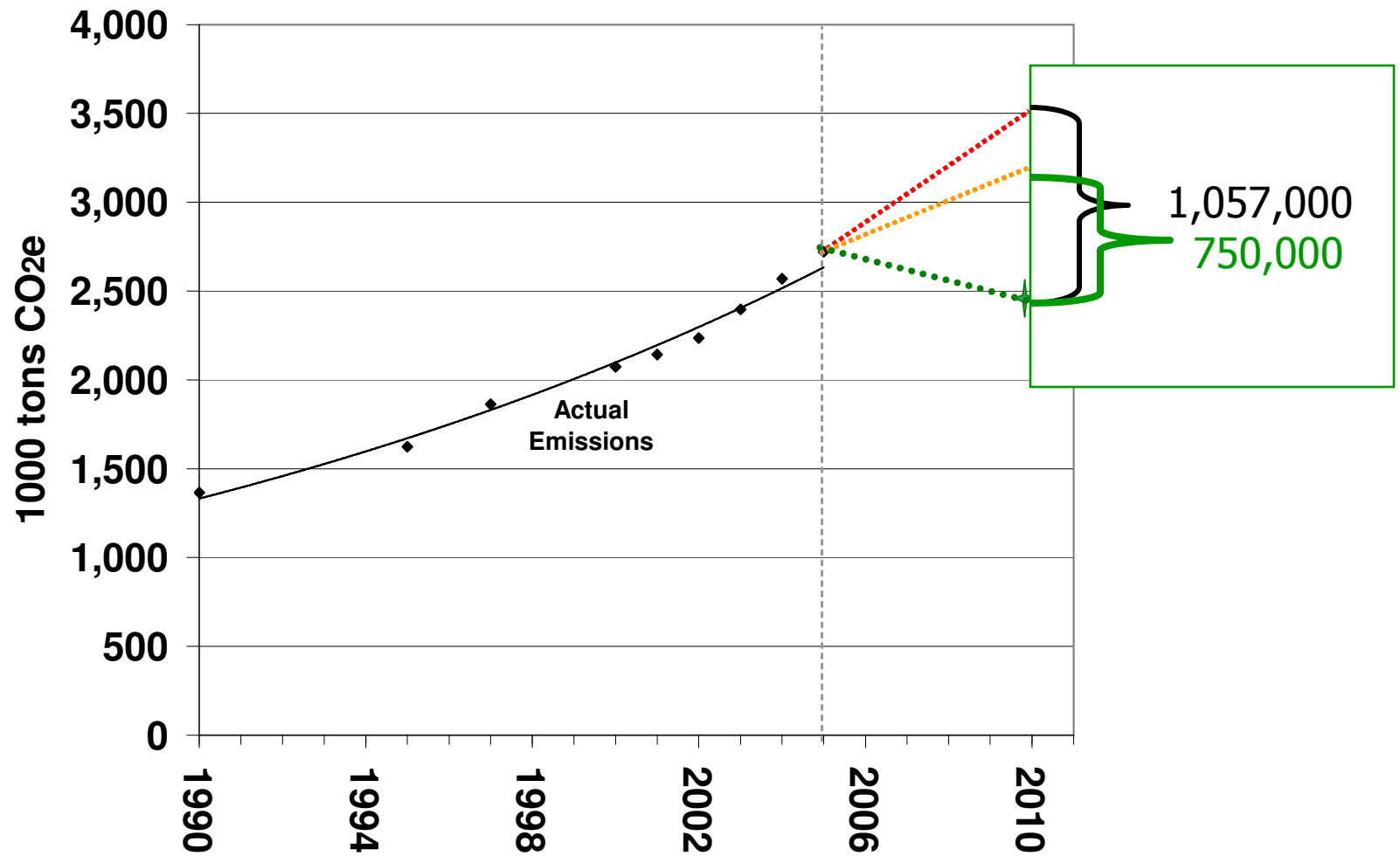
Per Capita Emissions

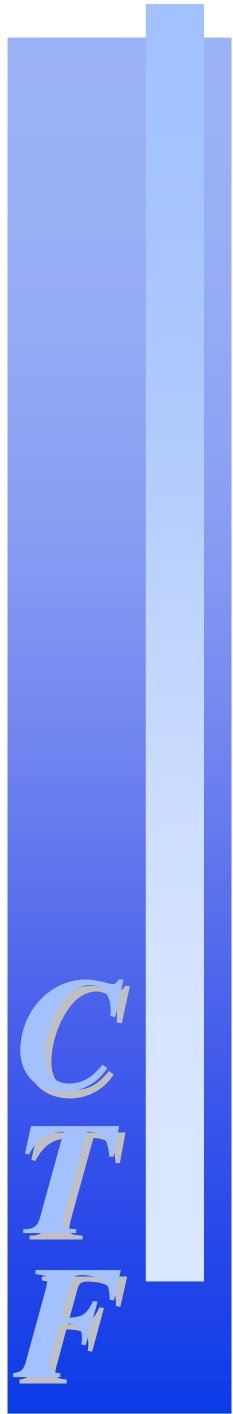


Not on Track to Meet Goal



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

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