



Colorado Climate Action Panel
Transportation and Land Use
Policy Work Group
Meeting #3
March 21, 2007



Agenda

1. Introductions and Roll Call
2. Review and Approval of Meeting Summary of Policy Work Group (PWG) Call #2
3. Discussion of Balloting Process for Policy Priority Setting
4. Recommendations for Bundling of Policy Options before Balloting
5. Questions and Comments on Colorado GHG Inventory and Forecast
6. Agenda for Next Meeting of PWG
7. Date, Time, and Location for Next Meeting
8. Public Input and Announcements

1. Introductions and Roll Call

- Roll Call to record attendance of PWG members
- Introductions of other participants
 - RMCO
 - CCS
 - Public
 - Observers

2. Review and Approval of Meeting Summary #2

- Review draft meeting summary for PWG meeting #2.
- Consider any corrections or additions to meeting summary.
- Approval of meeting summary, with agreed upon changes.

3. Balloting Process Summary

- a) Balloting by email will occur after Call #3.
- b) CCS will document the initial list of priority options based on ranked voting outcomes.
- c) On Call #4, PWG will review and finalize priority options to be recommended to CAP.
- d) Final priority options may include bundled options that combine several individual options from the catalog.

3. Voting on Priorities for Analysis

- Each PWG member to receive a ballot via email
- Each member may cast 10 votes, with no more than one vote per option.
- Return ballot to CCS (LemL@pbworld.com and JAngOlson@icfi.com)
- CCS will compile results and distribute to the PWG for review and discussion during call #4.

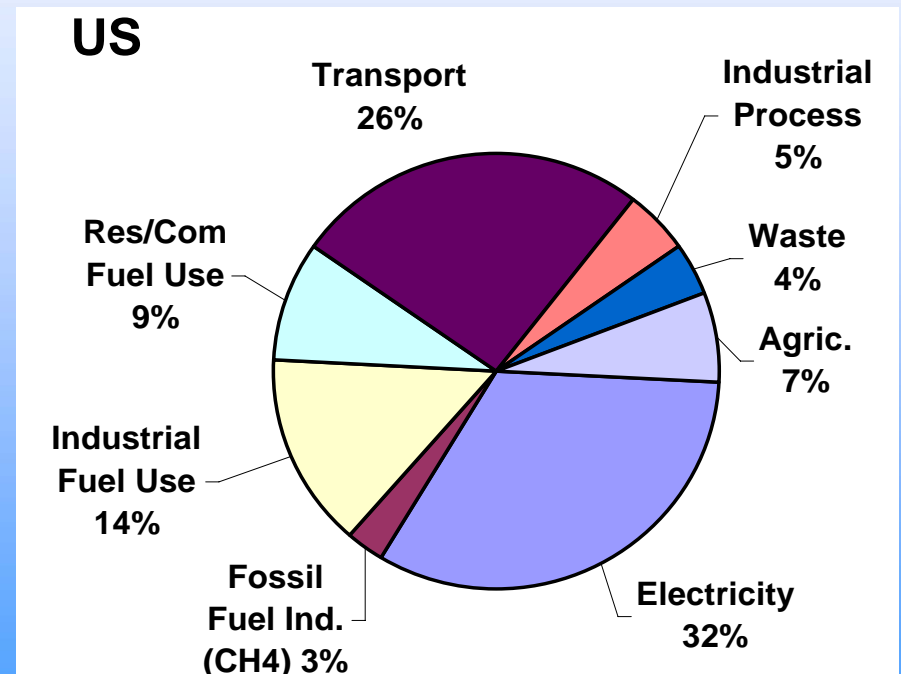
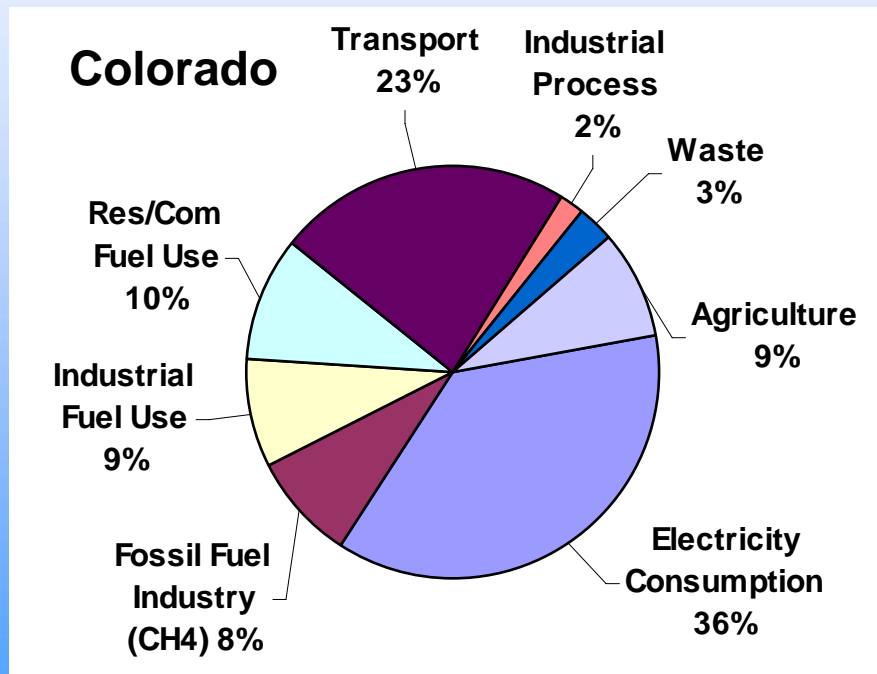
4. Bundling Options

- Consider Bundling Options
- Propose Consolidation of Specific Policies into Bundles
- Discuss Bundling Options – Advantages and Disadvantages
- Approve Changes to Catalog to incorporate Agreed upon Bundling

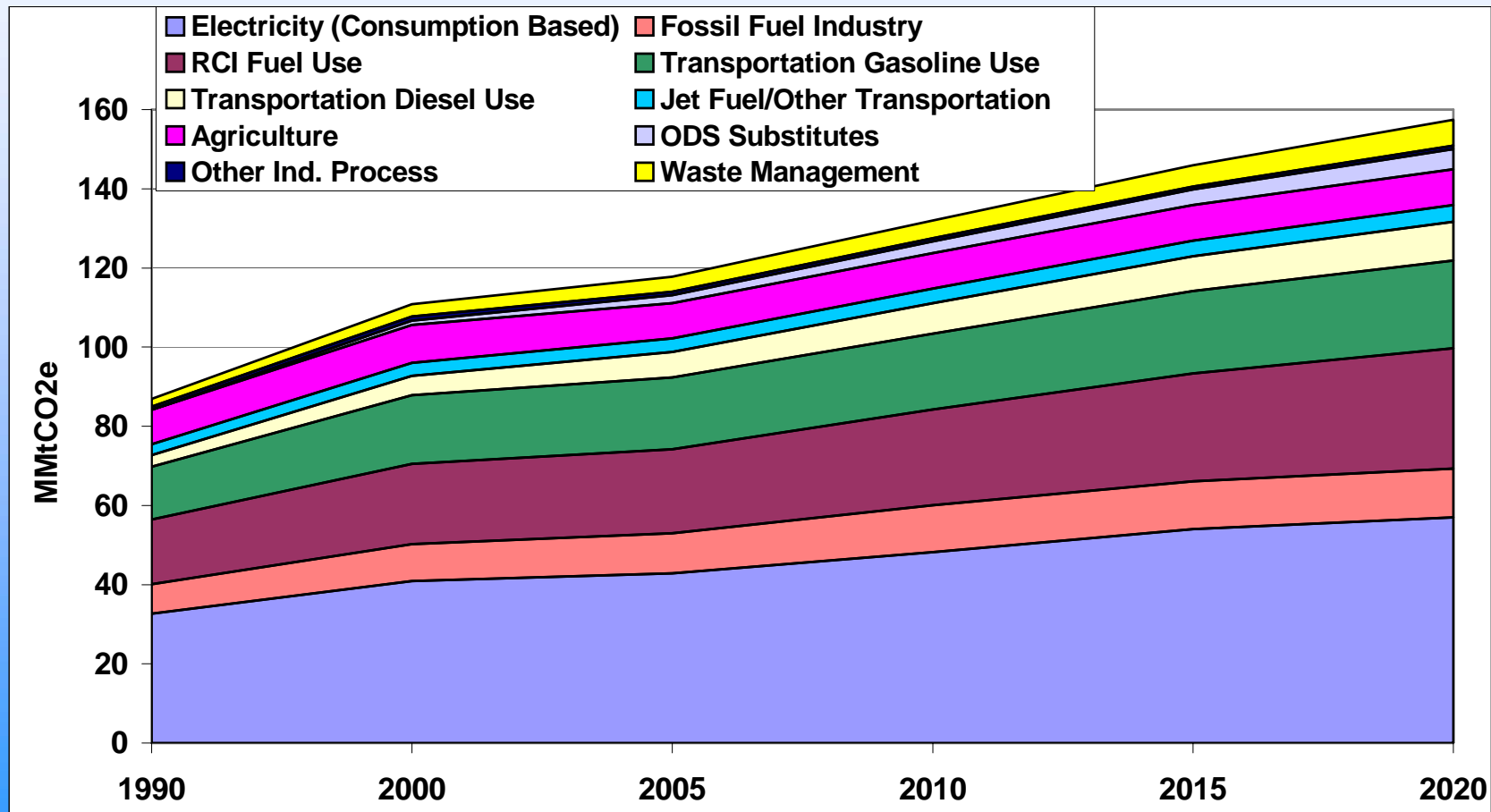
5. Inventory and Forecast of Colorado GHG Emissions

- Preliminary analysis for further discussion and revision
 - Inventory of historical emissions from 1990 to most recent data year
 - Projection of emissions to 2020
- Prepared by CCS for Colorado Department of Public Health & Environment (CDPHE) under contract to the Western Regional Air Partnership (WRAP)

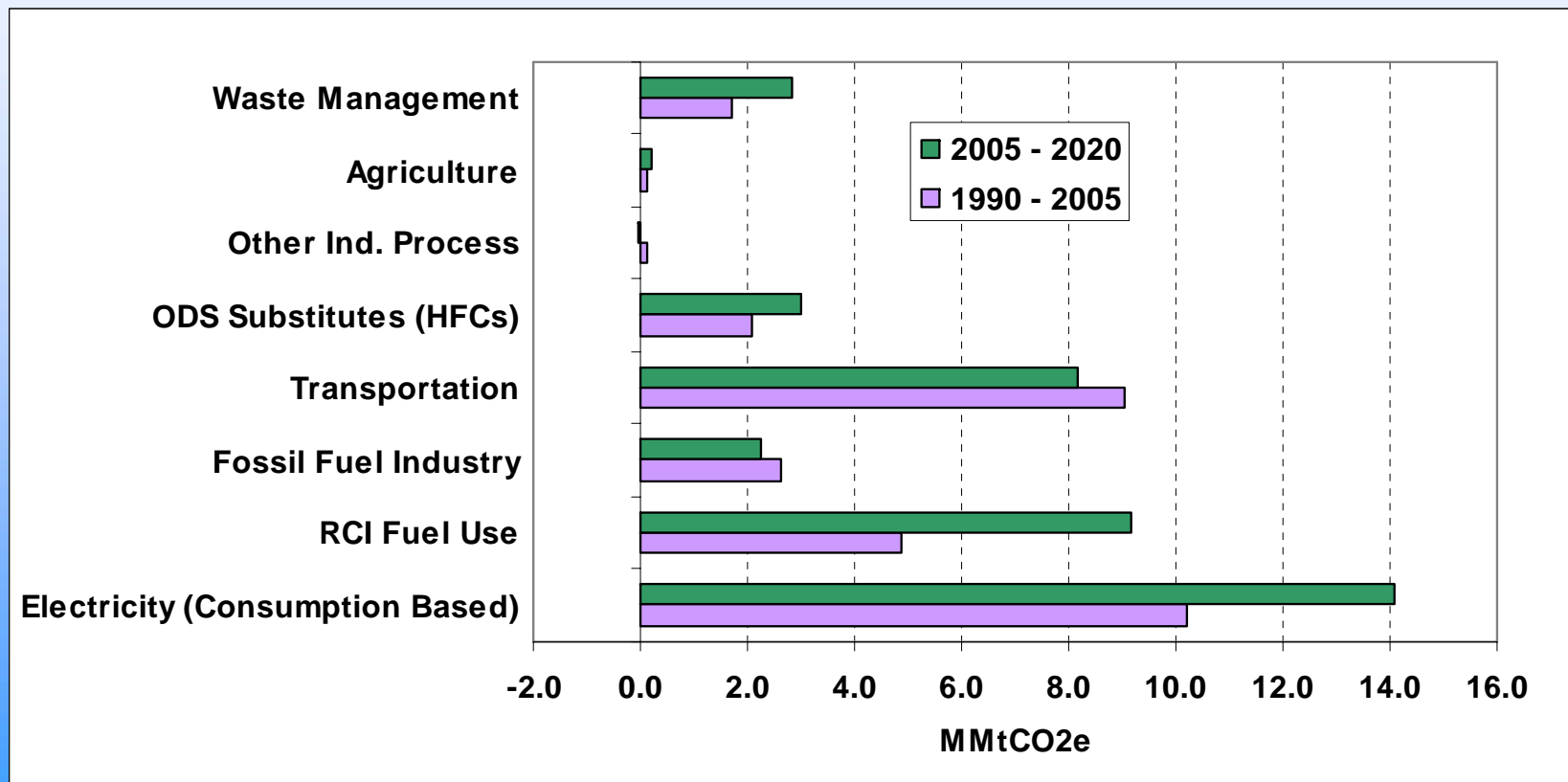
Colorado & US Emissions By Sector, Year 2000



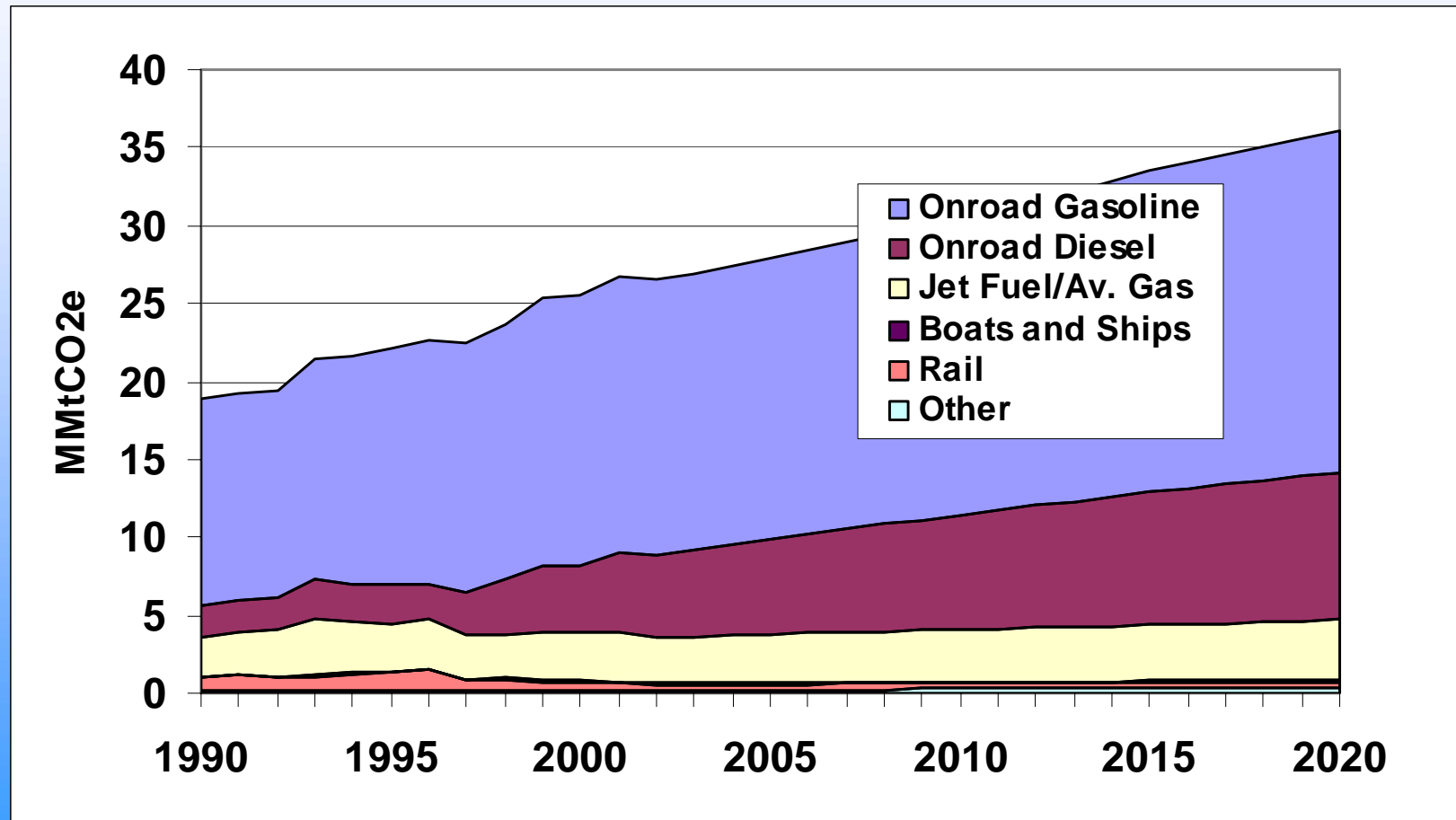
Gross Colorado GHG Emissions By Sector, 1990-2020



Colorado Emissions Growth (MMtCO₂e Basis)



Transportation



Transportation

- Data Sources: Onroad Vehicles
 - US DOE EIA State Energy Data fuel consumption thru 2002
 - State-level vehicle miles traveled (VMT) from CDOT
 - VMT allocated to vehicle type with fleet mix data from CDPHE
 - VMT projections from local planning organizations (DRCOG, NFRTAQPC, PPACG)
 - VMT forecast for rest of state from CO SIP growth rate

Transportation

- Data Sources: Other Transport Sectors
 - Aircraft – EIA SED fuel consumption
 - Aircraft Projection – CDOT operations forecasts
 - Rail and Marine – EIA SED
 - Rail/Marine Projection – based on historical growth

Transportation

- Methods
 - Inventory (1990-2002)
 - CO₂
 - SGIT and Fuel Consumption
 - Onroad CH₄ and N₂O
 - SGIT and VMT
 - Nonroad CH₄ and N₂O
 - SGIT and Fuel Consumption

Transportation

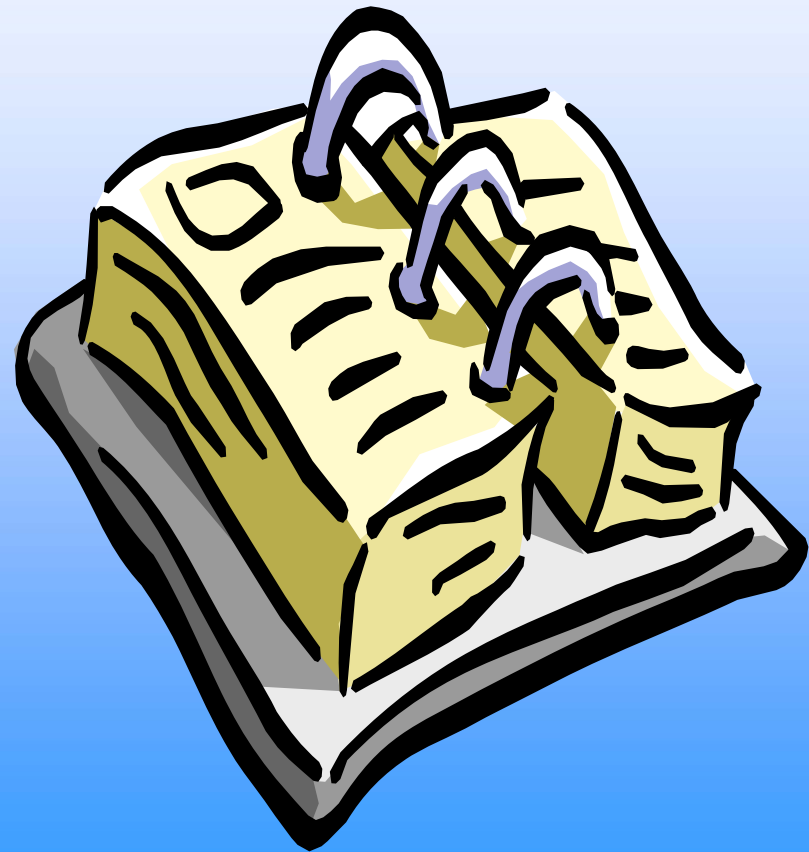
- Methods
 - Projections (2003-2020)
 - Onroad Gasoline and Diesel CO₂
 - VMT forecasts from local planning organizations and CO SIP
 - VMT forecasts adjusted to account for projected fuel efficiency improvements from 2006 EIA Annual Energy Outlook
 - Onroad CH₄ and N₂O
 - VMT projections, as above
 - VMT allocated to vehicle type using 2006 EIA Annual Energy Outlook data
 - Aviation
 - 2002-2005: Jet fuel – Denver International operations; general aviation – EIA aviation gasoline sales for CO
 - Post-2005: CDOT Aircraft Operations Forecasts
 - Rail/Marine
 - Historical growth rates

Transportation

- Key Assumptions
 - Available VMT projections are accurate (statewide 2002-2020 = 2.1%/yr)
- Key Uncertainties
 - Future vehicle mix – based on national estimates
 - No data on future consumption of biofuels
 - Consumption of international bunker fuels in the aircraft sector

6. Next Steps for PWG

- Agenda:
 - Review of Balloting Results
 - Discussion of Bundling
 - Finalize Policy Priorities for CAP Recommendation
 - Approval of CO GHG Inventory and Forecast



7. Next PWG Meeting

Date, Time, and Location:

- April 4, 2007
- 3:00 pm to 5:00 pm MDT
- Location TBD

8. Public Input and Announcements