

Cross-Cutting Issues Technical Work Group Teleconference Meeting #1

September 8, 2006

Call to Order & Introductions

- Technical Work Group (TWG) members
- MT DEQ
- CCS TWG leaders
- Public

Today's Agenda

- Call to order
- Introductions
- Review of the CCAC and TWG process and interaction
 - TWG organization, logistics, purpose, and goals
- Brief discussion of the Montana Emissions Inventory & Forecast
- Review and Discussion of the Catalog of State Actions
- Discussion of next steps toward identifying options for analysis
- Agenda, Date and Time for Next Meeting
- Call to the public
- Announcements

Part 1

- CCAC and TWG Process

Purpose & Goals

- December 13, 2005 Letter from Montana Governor Brian Schweitzer
 - Montana Climate Change Advisory Committee
 - Climate Action Plan
 - CCAC policy recommendations
 - Montana Greenhouse gas emissions inventory and forecasts

Roles & Responsibilities

- Process convened by Governor Brian Schweitzer
- DEQ provides coordination and organization
- State agencies act as advisors
- CCAC members make recommendations
- TWGs advise stakeholders
- Public input and review for stakeholders
- CCS provides evaluative facilitation, final report

Timing

- CCAC meetings
 - July, September, December, February, April, May
- TWG calls
 - Regularly scheduled
 - 2-3 90-minute calls in between each CCAC meeting
- Work Products
 - Initial GHG inventory & forecast: December 2006
 - Report to the Governor: July 2007

Ten Step Work Plan

1. Develop initial GHG inventories and forecasts
2. Identify possible GHG mitigation options
3. Identify initial priorities for evaluation
4. Evaluate supply potential, cost effectiveness; additional and feasibility issues as needed
5. Identify barriers, alternative policy design needs
6. Modify, add or subtract options as needed
7. Evaluate cumulative results of options
8. Iterate to consensus, with votes as needed
9. Aggregate options into implementation scenarios
10. Finalize recommendations and report language

TWG Next Steps

- Review and revision of Montana greenhouse gas (GHG) inventory and forecast
- Identify “priorities for analysis” from catalog of state actions
 - Add existing and new MT options as needed
 - Rank and screen options as needed
 - Suggest initial “priorities for analysis” to the CCAC

Decision Criteria

- GHG reduction potential (CO₂e)
- Cost per ton GHG removed
- Additional issues
- Feasibility issues

Policy Template



Policy Description

Policy Design

- Goals:
- Timing:
- Coverage of parties:

Implementation Mechanisms

Related Policies/Programs in Place

Types(s) of GHG Reductions

Estimated GHG Savings and Costs per MTC O₂e

- Data Sources:
- Quantification Methods:
- Key Assumptions:

Key Uncertainties

Additional Benefits and Costs

Feasibility Issues

Status of Group Approval

Level of Group Support

Barriers to Consensus

End Product/Final Report

- Executive Summary
- Background, Purpose And Goals
- Policy Recommendations & Results
 - Agriculture And Forestry
 - Energy Supply
 - Residential, Commercial, Industrial
 - Transportation & Land Use
 - Waste management
 - Cross-Cutting Issues
- Appendices

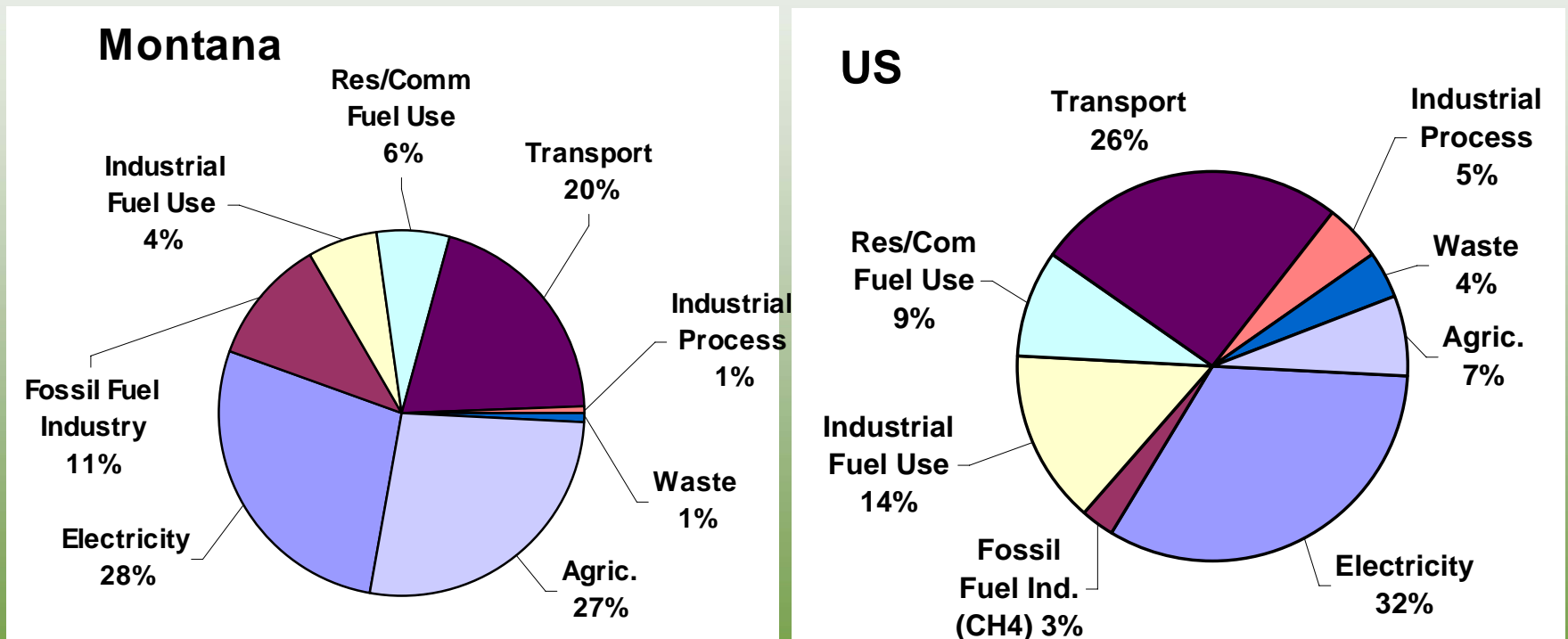
Part 2

- MT Greenhouse Gas Inventory and Forecast

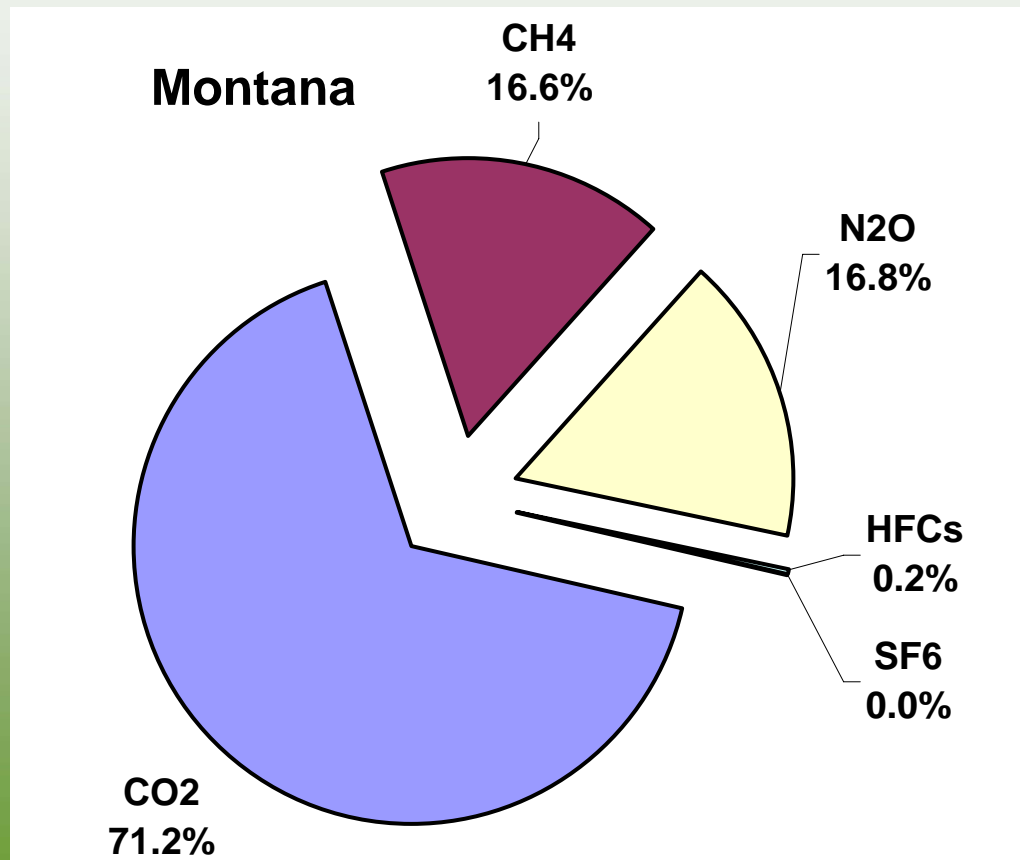
Montana GHG Emissions

- Inventory and Reference Case Projections
- Initial analysis by CCS for further discussion and final revision
 - Inventory of historical emissions from 1990 to most recent data year (2000-2004, depending on sector)
 - Projection of emissions to 2020

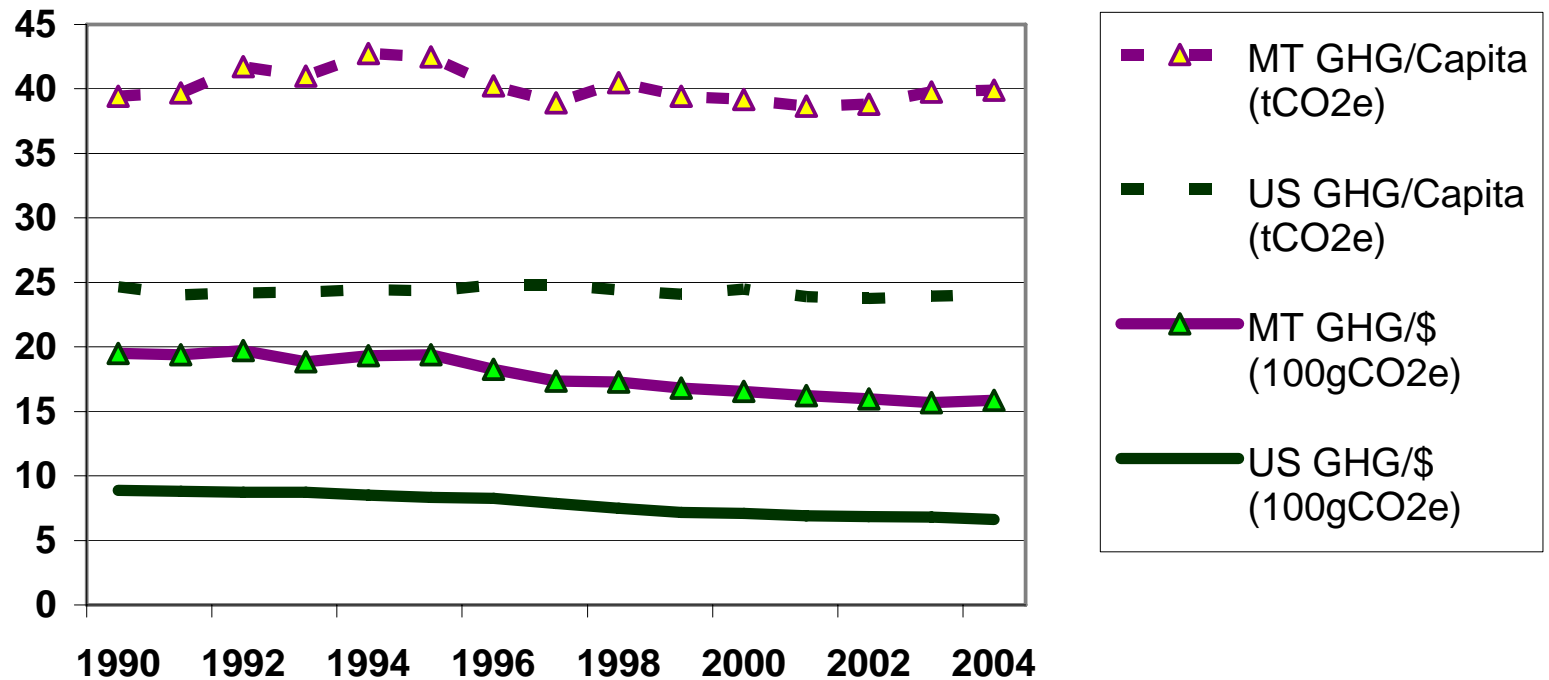
Montana & US Emissions By Sector, Year 2000



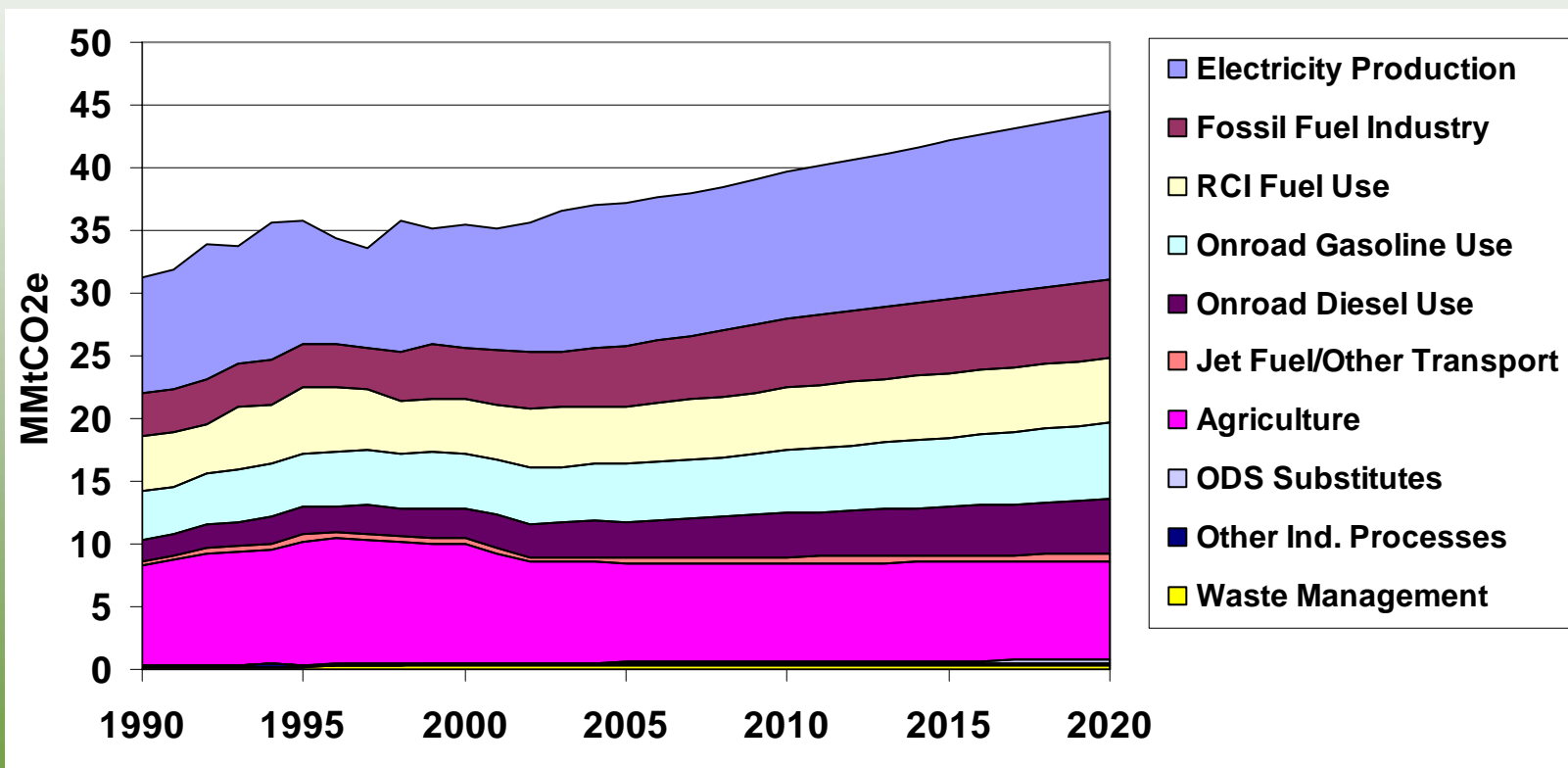
Montana Emissions By GHG, Year 2000



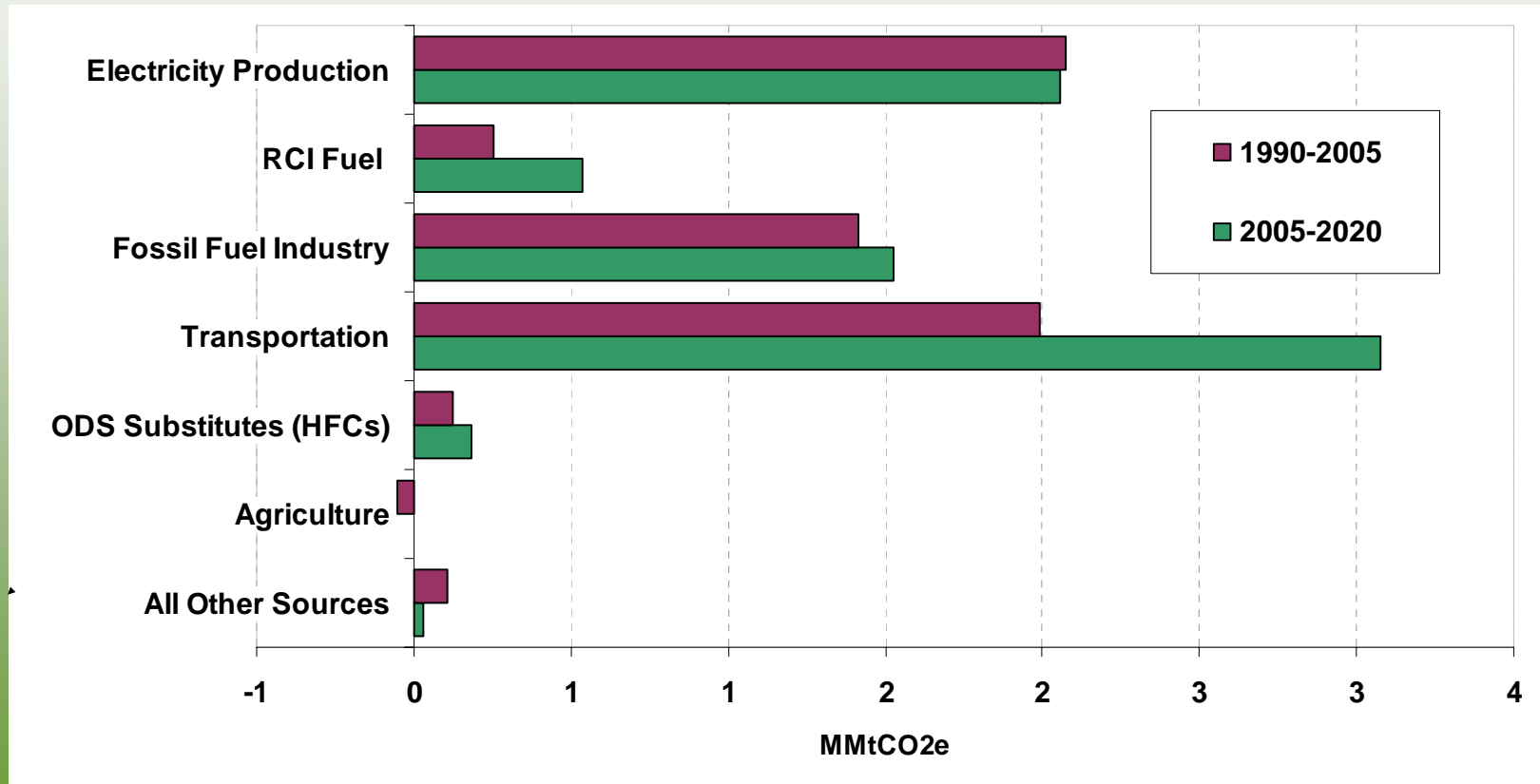
Per Capita and GSP/GDP GHG Emissions, 1990-2002



Gross Montana GHG Emissions By Sector, 1990-2020



Montana Emissions Growth



Key Points

- Preliminary draft for TWG review and revision, as needed
- Helpful for diagnosis of GHG emissions, but not a compliance baseline
- Consumption v. production methods
- Role of carbon storage

Part 3

- Potential GHG Policy Options

CCS Catalog of State Actions

- Actions undertaken or considered by a wide variety of US states
- Many actions provide GHG reductions coincidentally or as a co-benefit
- Cover all economic sectors
- Cover many implementation mechanisms
- Add to or delete as needed for MT

Cross-Cutting Issues Catalog

- *Please see separate Catalog handout.*

Next TWG Call

- Date and Time
- Agenda:
 - Discuss potential priority policy options for analysis
 - Discuss approaches for consideration



Public Input, Announcements