

Colorado
Climate
Project



the
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Organization

Colorado Climate Action Panel Meeting #6 September 12, 2007

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CCS
CENTER FOR CLIMATE STRATEGIES

Agenda

- Welcome and Introductions
- Review of Day's Agenda
- Review and approval of draft Summary of Climate Action Panel (CAP) Meeting #5
- Update on Recent Western Climate Initiative (WCI) Goals
- Review and Approval of Final Policy Options
- Review and Consideration of Statewide GHG Reduction Goals
- Final Report Process
- Public Input and Announcements

Ten Step Work Plan

- Get organized
- Develop initial GHG inventories and forecasts
- Identify possible GHG policy options
- Identify initial priorities for first round evaluation
- Draft straw design proposals for draft policy options
- Evaluate GHG reduction potential, cost/cost savings
- Identify potential barriers to consensus, alternatives
- Modify, add or subtract policy options as needed
- Evaluate cumulative results of policy options
- Finalize emissions projections, recommendations and report language

Western Climate Initiative (WCI)

- Goal Statement:
 - Announced August 22, 2007
 - Regional, economy-wide
 - 15% below 2005 levels by 2020
 - Consumption basis, gross emissions
 - Website:
 - http://westernclimateinitiative.org/Media_Room.cfm

Residential, Commercial, Industrial

- RCI-1: Expanded Demand Side Management
- RCI-2: Energy Efficiency in Buildings Owned by State and Local Governments
- RCI-3: Enforcement of Building Codes
- RCI-4: Planning and Design
- RCI-5: Inverted Block Rates to Fund Energy Efficiency
- RCI-6: Retrofitting Existing Buildings for Energy Efficiency
- RCI-7: Pricing and Purchasing
- RCI-8: Renewable Energy Systems on New and Existing Buildings
- RCI-9: Energy Delivery (CHP)
- RCI-10: Statewide Implementation of Climate Wise
- RCI-11: Cost of Service Inverted Block Rates

Break



Energy Supply

- ES-2: Mandated Portfolio Standards
- ES-2a: Clean Energy Portfolio Standard
- ES-5: Public Benefit Charge Funds
- ES-13: Efficiency Improvements for Existing Generators
(Includes Heat Recovery)
- ES-15: CO2 Emission Standards for Power Plants

Break



Transportation

- TLU-1: Smart Growth and Related Planning
- TLU-5: Low Carbon Fuels Standard
- TLU-6: Clean Car Program (Pavley GHG Standards for Autos)
- TLU-8a: Fuel Tax
- TLU-9: Parking Management

Break



Agriculture, Forestry & Waste Management

- AFW-1: Agricultural Crop Management
- AFW-2: Manure Management and Energy Utilization
- AFW-3: Reductions in On-Farm Energy Use
- AFW-4: Biodiesel Production
- AFW-5: Ethanol Production
- AFW-6a: Preserve Lands with Carbon Storage Value – Forests
- AFW-6b: Preserve Lands with Carbon Storage Value – Grasslands
- AFW-7&8: Forestry Programs to Enhance GHG Benefits
- AFW-9: Source Reduction, Enhanced Recycling & Composting Programs
- AFW-10: Landfill Methane Energy Programs
- AFW-11: Urban Forestry Programs

Cross Cutting Issues

- CC-1: GHG Inventories and Forecasting
- CC-2: GHG Reporting
- CC-3: GHG Registry
- CC-4: Statewide GHG Reduction Goals and Targets
- CC-5: State and Local Government GHG Emissions (Lead-by-Example)
- CC-6: Comprehensive Local Government Climate Action Plans
- CC-7: Public Education and Outreach
- CC-9: Establish a Proactive Public-Private Partnership to Seek Investment Capital and Philanthropic Funding for Reducing GHG Emissions and Supporting Development of the New Energy Economy in Colorado
- CC-10: Vulnerability and Adaptation

Water Adaptation

- WA-1: Need for Leadership
- WA-2: Consideration of Climate Change in Water Decisions
- WA-3: Colorado River Water Availability
- WA-4: Interstate Compacts
- WA-5: Climate, Hydrologic, and Climate-Impact Assessment and Data
- WA-6: Drought Vulnerability Assessments and Planning
- WA-7: Regional Modeling
- WA-8: Water Conservation
- WA-9: Agriculture
- WA-10: Energy and Water

Water Adaptation

- WA-11: Information Exchanges
- WA-12: Recreation and Tourism
- WA-13: Water Quality and the Environment
- WA-14: Groundwater
- WA-15: Colorado Water Institute

CO Cumulative Results

- Refer to background memo
- Reference case scenarios:
 - Production basis
 - Consumption basis
 - Gross emissions
 - Net emissions with terrestrial sinks

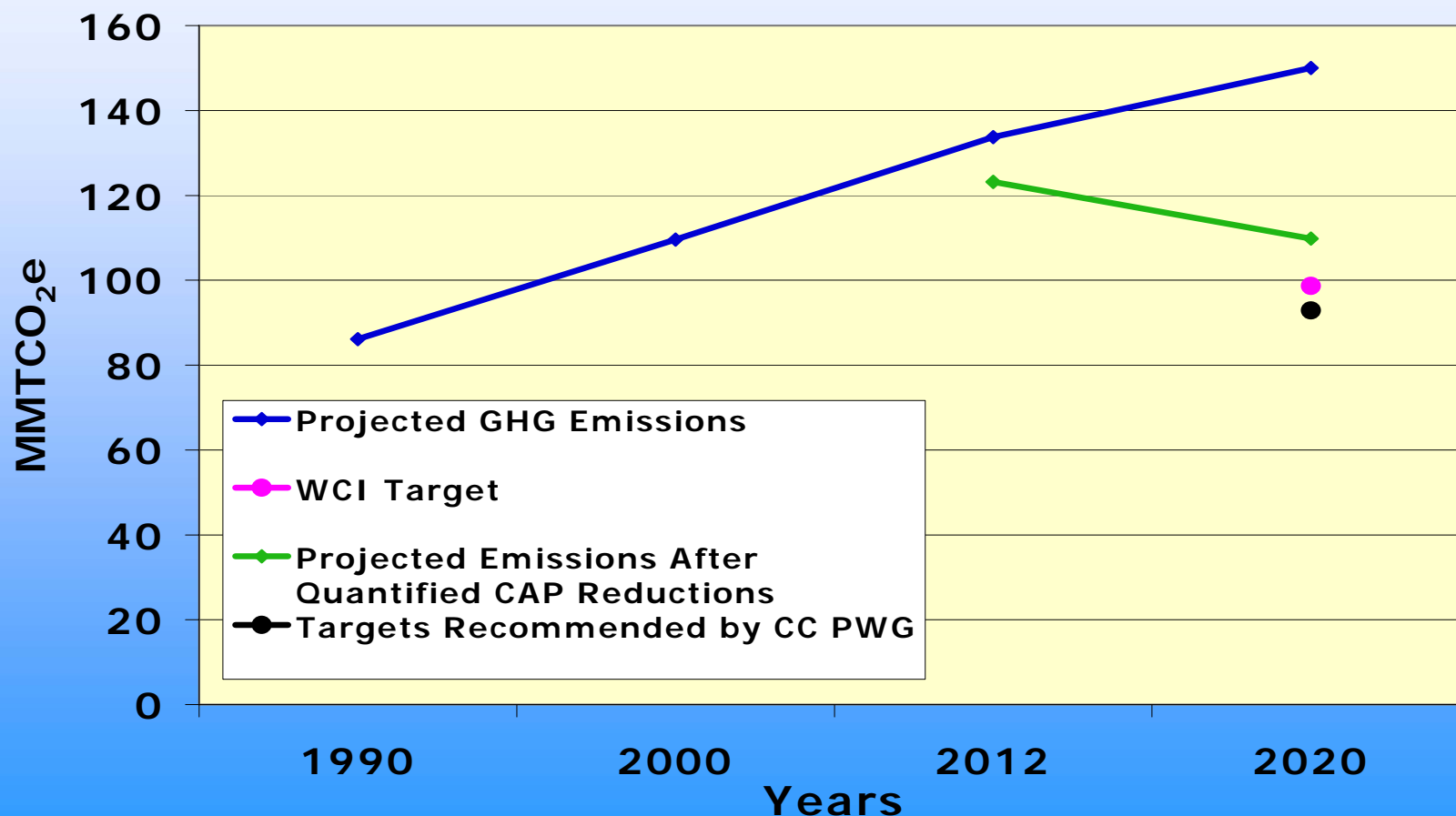
Draft Cumulative Results

Consumption Basis - Net Emissions				
	1990	2000	2012	2020
Projected GHG Emissions	59.4	82.9	107.0	123.3
Targets Recommended by CAP				
Targets Recommended by CC PWG				71.5
Total GHG Reductions from CAP			10.6	40.2
Projected Emissions After Quantified CAP Reductions			96.5	83.1
Consumption Basis - Gross Emissions				
	1990	2000	2012	2020
Projected GHG Emissions	86.1	109.6	133.7	150.0
Targets Recommended by CAP				
Targets Recommended by CC PWG				92.9
WCI Target				98.7
Total GHG Reductions from CAP			10.6	40.2
Projected Emissions After Quantified CAP Reductions			123.2	109.8
Production Basis Net				
	1990	2000	2012	2020
Projected GHG Emissions	58.4	80.7	104.4	120.7
Targets Recommended by CAP				
Targets Recommended by CC PWG				69.0
Total GHG Reductions from CAP			10.6	40.2
Projected Emissions After Quantified CAP Reductions			93.8	80.5
Production Basis Gross				
	1990	2000	2012	2020
Projected GHG Emissions	85.1	107.4	131.1	147.4
Targets Recommended by CAP				
Targets Recommended by CC PWG				90.4
Total GHG Reductions from CAP			10.6	40.2
Projected Emissions After Quantified CAP Reductions			120.5	107.2

CO Cumulative Results

(Consumption Basis, Gross Emissions)

Future Emissions - Consumption Gross



Final Report Process

- Completion of policy templates, inventory and forecast report, based on today's meeting
- Production of first draft of full report and appendices by CCS for CAP review and comment
- Final draft completed by CCS for final review and comment
- Report transmitted by CCS to RMCO

Public Input, Announcements