

Iowa Climate Change Advisory Council

Transportation and Land Use Efficiency
Subcommittee Meeting #2

December 12, 2007

Iowa Department of Natural Resources
The Center for Climate Strategies

Welcome and Introductions

- Iowa DNR
- Iowa Subcommittee (SC) Members
- Members of the Public
- Center for Climate Strategies

Agenda

1. Introductions
2. Meeting Purpose and Goals
3. Approval of Summary of Prior Call/Meeting [Decision Item]
4. Goals for ICCAC 12/17/07 Meeting
5. Development of the Catalog of States' Actions [Decision Item]
6. Review of Next Steps
7. Agenda, Date and Time for Next Meetings [Decision Item]
8. Public Comments
9. Announcements

Goals for ICCAC

December 17, 2007 Meeting

- Review Catalog of Potential State Actions
- Review Iowa GHG Actions to Date
- Review Draft Interim Report to Governor and Legislature, including Baselines and Target Scenarios

Catalog of State Action Items

- Discussion of proposed IA Catalog of State Actions

Inventory Approach

- Standard US EPA and UN methodologies, guidelines, and tools
- Emphasis on transparency, consistency, and significance
- Used IA inventory for 1990-2004/2005
- Consumption and production-based emissions from electricity generation
 - Very simplified approach used for initial analysis

Projection Approach

- Reference case assumes no major changes from business-as-usual (BAU)
 - Includes assessment of approved policies and actions to the extent possible (e.g., Renewable Energy Standards)
- Growth assumptions from existing sources
 - State population and employment forecasts
 - US Census and Bureau of Labor & Statistics
 - US Energy Information Administration

Coverage

- Six gases per USEPA and UNFCCC guidelines
 - Carbon Dioxide (CO₂), Methane (CH₄), Nitrous Oxide (N₂O), Hydrofluorocarbons (HFCs), Perfluorocarbons (PFCs), Sulfur Hexafluoride (SF₆)
- All major emitting sectors
 - Electricity Supply & Demand (Consumption Based)
 - Residential, Commercial, Industrial (RCI) Fuel Use and Non-fuel Use Processes
 - Transportation (onroad and nonroad)
 - Natural gas pipeline transmission & distribution
 - Agriculture, Forestry, and Waste
- Emissions expressed as CO₂ equivalent
 - 100-year global warming potentials
 - CO₂ = 1; CH₄ = 22; N₂O = 310; halogenated gases, up to 25,000

Key Points

- Preliminary draft for ICCAC and SC review and revision, as needed
- Helpful for diagnosis of GHG emissions, but not a baseline for modeling or compliance for individual options
- Consumption and Production methods
- Net and Gross methods

Key Points

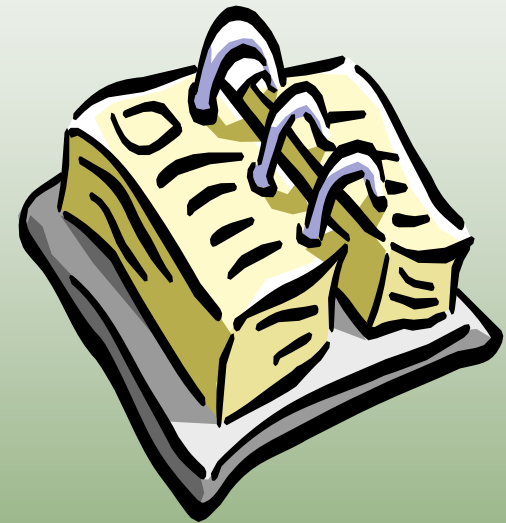
- Other Pollutants
 - IA Inventory includes:
 - Carbon monoxide (CO) from combustion processes
 - CO₂ from biomass combustion
 - IPCC Guidelines –
 - Report CO and biomass CO₂ separately from six GHG pollutants
 - Good to track for multi-pollutant assessment of GHG options
 - CO and biomass CO₂ not included in I&F totals presented today

Next Steps

- Review process for identifying initial draft priorities for analysis from the catalog
- Prepare for balloting process

Next SC Meeting

- Agenda:
 - Add missing actions to catalog
 - Review Iowa emissions inventory and projections
- Time and Date TBD



Public Input, Announcements