



www.arclimatechange.us/

Memo

To: Arkansas Governor's Commission on Global Warming
From: The Center for Climate Strategies
CC: Arkansas Governor's Office
Pearlie Reed, GCGW Co-Chair
Kathy Webb, GCGW Co-Chair
Technical Work Group Members
Subject: Preparation for the Sixth Meeting of the Arkansas Governor's Commission on Global Warming
Date: May 19, 2008

At our sixth meeting of the Arkansas Governor's Commission on Global Warming (GCGW) on Monday, May 19, 2008, we will focus on review and approval of the draft "straw proposals" suggested by the Technical Work Groups (TWGs) for each of the draft priority policy options identified in our meeting on April 4. We also will review progress and any recommended updates to the statewide draft inventory and forecast of emissions.

Based on this discussion and any adjustments made by the GCGW, the TWGs will begin work to quantify and further develop policy options. We anticipate that some limited, additional review and approval of straw proposals will be needed at the next meeting of the Commission. Final consideration of these options will begin at the next GCGW meeting on June 17, 2008. At that time the GCGW will be asked to identify an initial set of options as final recommendations that do not have objections. Remaining (not yet fully approved) options will be the subject of the seventh GCGW meeting on July 31 and the final GCGW meeting on September 25, 2008 and the TWG activities that precede it.

As preparation for our meeting, please review the attached lists of TWG suggested draft policy option "priorities for analysis" and other background documents posted to the project website at: www.arclimatechange.us.

In terms of overall progress, the GCGW has completed key milestones since its launch, including:

- Identification of a full range of potential Arkansas options for mitigation of GHG emissions, including over 300 possible state actions.
- TWG identification, by balloting, of 51 initial priorities for analysis of draft policy options.
- Approval of a full range of initial priorities for analysis of draft policy options.

- Completion of the initial statewide inventory and forecast of GHG emissions and start of the review process.

The next stages of the GCGW process will include completion of the following milestones:

- Formulation of “straw proposals” for the design of these initial draft policy options for consideration by the GCGW at our sixth meeting today.
- Completion of the first round of economic analysis of draft policy options by CCS, and identification of early consensus recommendations at our seventh meeting.
- Review and revision of policy option design, analysis, and draft options as needed during TWG calls and meetings.
- Final approval of remaining GCGW policy option recommendations at our ninth meeting.
- Final approval of the statewide inventory and forecast of GHG emissions by the final meeting.

Summary of GCGW Progress and Next Steps:

Status of Draft Policy Options	
Original Number of Potential Options Presented to the GCGW from the CCS Catalog of State Actions	306
Updated Number of Potential Options on the CCS Catalog of States Actions, Including GCGW Additions	326
Current Number of Draft Potential Priority Policy Options for Analysis	51
• Residential, Commercial, and Industrial	10
• Energy Supply	11
• Transportation and Land Use	10
• Agriculture, Forestry and Waste	9
• Cross Cutting Issues	11
Next Steps	
Approve Straw Proposals for Draft Policy Option Design	GCGW Meeting #6
Complete Approval of Remaining Straw Proposals for Draft Policy Option Design, and Present First Round of Analysis of Draft Policy Options and Identify Early Consensus Recommendations	GCGW Meeting #7
Present Second Round of Analysis of Draft Policy Options and Identify Early Consensus Recommendations	GCGW Meeting #8
Approve Final GCGW Policy Option Recommendations	GCGW Meeting #9

Table 1.
Residential, Commercial, and Industrial Technical Work Group
Summary List of Recommended Priority Policy Options for Analysis

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total 2009–2025			
RCI-1	Improved Building Codes	<i>Not Yet Quantified</i>					Pending
RCI-2	Utility and Non-Utility DSM for Electricity and Natural Gas	<i>Not Yet Quantified</i>					Pending
RCI-3	Reduced Energy Use in State-Owned Buildings: Government "Lead by Example"	<i>Not Yet Quantified</i>					Pending
RCI-4	Promotion and Incentives for Improved Building Design and Construction	<i>Not Yet Quantified</i>					Pending
RCI-5	Consumer Education for Consumers and Industry Trades, Professions	<i>Not Yet Quantified</i>					Pending
RCI-6	Incentives and Funds To Promote Energy Efficiency	<i>Not Yet Quantified</i>					Pending
RCI-7	Green Power Purchasing for Consumers	<i>Not Yet Quantified</i>					Pending
RCI-8	Nonresidential Energy Efficiency	<i>Not Yet Quantified</i>					Pending
RCI-9	Support for Energy-Efficient Communities, Including Smart Growth	<i>Not Yet Quantified</i>					Pending
RCI-10	Energy-Savings Sales Tax	<i>Not Yet Quantified</i>					Pending

GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.

Table 2.
Energy Supply Technical Work Group
Summary List of Recommended Priority Policy Options for Analysis

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost-Effective-ness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total 2009–2025			
ES-1	Green Power Purchases and Marketing	<i>Not Yet Quantified</i>					Pending
ES-2	Technology Research & Development	<i>Not Yet Quantified</i>					Pending
ES-3	Renewable and/or Environmental Portfolio Standard (RPS/EPS)	<i>Not Yet Quantified</i>					Pending
ES-4	Grid-Based Renewable Energy Incentives and/or Barrier Removal	<i>Not Yet Quantified</i>					Pending
ES-5	Approaches Benefiting From Regional Application	<i>Not Yet Quantified</i>					Pending
ES-6	Combined Heat and Power	<i>Not Yet Quantified</i>					Pending
ES-7	Geological Underground Sequestration for New Plants	<i>Not Yet Quantified</i>					Pending
ES-8	Transmission System Upgrades	<i>Not Yet Quantified</i>					Pending
ES-9	Nuclear Power	<i>Not Yet Quantified</i>					Pending
ES-10	Carbon Tax	<i>Not Yet Quantified</i>					Pending
ES-11	Efficiency Improvements and Repowering of Existing Plants	<i>Not Yet Quantified</i>					Pending

GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.

Table 3.
Transportation and Land Use Technical Work Group
Summary List of Recommended Priority Policy Options for Analysis

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total 2009–2025			
TLU-1	Infrastructure for Plug-In Vehicles	<i>Not Yet Quantified</i>					Pending
TLU-2	Research and Development for Renewable Transportation Fuels	<i>Not Yet Quantified</i>					Pending
TLU-3	Smart Growth, Pedestrian and Bicycle	<i>Not Yet Quantified</i>					Pending
TLU-4	Procurement of Efficient Fleet Vehicles (Passenger and Freight)	<i>Not Yet Quantified</i>					Pending
TLU-5	Promote and Facilitate Freight Efficiency	<i>Not Yet Quantified</i>					Pending
TLU-6	Improve and Expand Transit Service and Infrastructure	<i>Not Yet Quantified</i>					Pending
TLU-7	School and University Transportation Bundle	<i>Not Yet Quantified</i>					Pending
TLU-8	Alternative Fuel Development and Expansion	<i>Not Yet Quantified</i>					Pending
TLU-9	Public Education	<i>Not Yet Quantified</i>					Pending
TLU-10	New Vehicle Standards: Tailpipe GHG and Fuel Economy	<i>Not Yet Quantified</i>					Pending

GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.

Table 4.
Agriculture, Forestry, and Waste Management Technical Work Group
Summary List of Recommended Priority Policy Options for Analysis

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost-Effective-ness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total 2009–2025			
AFW-1	Manure Management	<i>Not Yet Quantified</i>					Pending
AFW-2	Promotion of Farming Practices that Achieve GHG Benefits	<i>Not Yet Quantified</i>					Pending
AFW-3	Improved Water Management and Use	<i>Not Yet Quantified</i>					Pending
AFW-4	Expanded Use of Agriculture and Forestry Biomass Feedstocks for Electricity, Heat, or Steam Production	<i>Not Yet Quantified</i>					Pending
AFW-5	Expanded Use of In-State Liquid Biofuels	<i>Not Yet Quantified</i>					Pending
AFW-6	Expanded Use of Locally Produced Farm and Forest Products	<i>Not Yet Quantified</i>					Pending
AFW-7	Forest Management and Establishment for Carbon Sequestration	<i>Not Yet Quantified</i>					Pending
AFW-8	Advanced Recovery and Recycling	<i>Not Yet Quantified</i>					Pending
AFW-9	End of Use Waste Management Practices	<i>Not Yet Quantified</i>					Pending

GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.

Table 5.
Cross-Cutting Issues Technical Work Group
Summary List of Recommended Priority Policy Options for Analysis

	Policy Option	GHG Reductions (MMtCO ₂ e)			Net Present Value 2009–2025 (Million \$)	Cost-Effectiveness (\$/tCO ₂ e)	Level of Support
		2015	2025	Total 2009–2025			
CC-1	Greenhouse Gas Inventories and Forecasts	<i>Not Quantified</i>					Pending
CC-2	State Greenhouse Gas Reporting and Registry	<i>Not Quantified</i>					Pending
CC-3	Statewide Greenhouse Gas Reduction Goals or Targets	<i>Not Quantified</i>					Pending
CC-4	The State's Own Greenhouse Gas Emissions (Lead-by-Example)	<i>Not Quantified</i>					Pending
CC-5	Comprehensive Local Government Climate Action Plans	<i>Not Quantified</i>					Pending
CC-6	State Climate Public Education and Outreach	<i>Not Quantified</i>					Pending
CC-7	Optimizing Best-Scale of Reduction Policies	<i>Not Quantified</i>					Pending
CC-8	Creative Financial Mechanisms	<i>Not Quantified</i>					Pending
CC-9	Adaptation and Vulnerability	<i>Not Quantified</i>					Pending
CC-10	Climate-Change Related Economic Development	<i>Not Quantified</i>					Pending
CC-11	Regulatory Realignment in Government to Encourage Constructive Climate Action	<i>Not Quantified</i>					Pending

GHG = greenhouse gas; MMtCO₂e = million metric tons of carbon dioxide equivalent; \$/tCO₂e = dollars per metric ton of carbon dioxide equivalent.

The numbering used to denote the above pending priority policy options is for reference purposes only; it does not reflect prioritization among these important draft policy options.