



Kentucky Climate Action Plan Council (KCAPC)

Meeting #4, August 4, 2010

**Kentucky Energy and Environment Cabinet
The Center for Climate Strategies**

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Welcome and Introductions

- Kentucky Energy and Environment Cabinet (KEEC)
- KCAPC Members
- Kentucky State Agencies
- Members of the Public
- Center for Climate Strategies

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Agenda

1. Welcome and Introductions
2. Approval of KCAPC Meeting #3 Summary
3. Purpose and Goals of KCAPC Meeting #4
4. Approval of KCAPC Interim Report
5. Review and Approval of the Straw Policy Option Proposals from the TWGs
6. Review and Approval of the General Approach to Quantification of the Policy Options
7. Next Steps for KCAPC and TWGs
8. Agenda, Time, and Date for Next Meeting
9. Public Input
10. Announcements
11. Adjourn

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Summary of Prior KCAPC Meeting

- Review and Approval of KCAPC Meeting #3 Summary

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Goals for KCAPC Meeting #4

- Approval of KCAPC Interim Report
- Review and Approval of the Straw Policy Option Proposals from the TWGs
- Review and Approval of the General Approach to Quantification of Policy Options

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Approval of the KCAPC Interim Report

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Stepwise Planning Process

1. Get organized
2. Review and refine inventory & forecast of emissions
3. Identify a full range of possible actions
4. Identify initial priorities for analysis
5. Develop straw policy design proposals
6. Quantify initial GHG reductions and costs/savings
7. Fully develop policy option templates
8. Develop alternatives to address barriers as needed
9. Aggregate and integrate results
10. Finalize and report recommendations

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10 Elements of a Policy Option Template

- **Policy Description**
- **Policy Design**
 - **Goals:**
 - **Timing:**
 - **Parties Involved:**
 - **Other:**
- **Implementation Mechanisms**
- **Related Policies/Programs in Place**
- **Type(s) of GHG Reductions**
- **Estimated GHG Reductions and Net Costs or Cost Savings**
 - **Data Sources:**
 - **Quantification Methods:**
 - **Key Assumptions:**
- **Key Uncertainties**
- **Additional Benefits and Costs**
- **Feasibility Issues**
- **Status of Group Approval**

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Approval of Straw Policy Option Proposals from TWGs

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AFW TWG Proposed Priority Options for Further Analysis

AFW-1: Forestry Management for Carbon Sequestration

AFW-2: Expanded Use of Biomass Feedstocks for
Electricity, Heat, and Steam Production

AFW-3: On-Farm Energy Production and Efficiency
Improvements

AFW-4: In-state Liquid/Gaseous Biofuels Production

AFW-5: Soil Carbon Management

AFW-6: Increase Productivity of Abandoned and Reclaimed
Lands

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AFW TWG Proposed Priority Options for Further Analysis (cont'd.)

AFW-7: Reforestation, Afforestation, and Restoration of
Mined Lands and Other Non-forested Lands

AFW-8: Advanced MSW Reuse, Recycling, and Organic
Waste Management Programs

AFW-9: Landfill Methane Energy Programs

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TLU TWG Proposed Priority Options for Further Analysis

TLU-1: Bike and Pedestrian Comprehensive Plan and
Infrastructure Development

TLU-2: Livability, Brownfield Redevelopment, Downtown
Revitalization and Location-Efficient Strategies

TLU-3: Transit and Transportation System Management

TLU-4: Expand Transit Infrastructure (Rail, Bus, Bus Rapid
Transit)

TLU-5: Education and Outreach for Vehicle Maintenance,
Idle Reduction, and Alternative Modes of Travel

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TLU TWG Proposed Priority Options for Further Analysis (cont'd.)

TLU-6: Land Use, Zoning, Tax, and Building Code Reform,
and Connectivity

TLU-7: Parking Management and Car Pooling/Van Pooling

TLU-8: Initiatives to Promote Strategies to Move Freight in
More GHG-Efficient Ways

TLU-9: Promote Consumption of Locally Produced Goods
and Services

TLU-10: Promote the Use of Alternative Fuels

TLU-11: Promote the Use of Clean Vehicles

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Lunch Break



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ES TWG Proposed Priority Options for Further Analysis

- ES-1: Biomass Development and Efficiency Improvements at Existing Power Plants
- ES-2: Demand-Side Energy Efficiency and Management Programs
- ES-3: Advanced Fossil Fuel Technology (IGCC, CCSR, Advanced Pulverized Coal, CFB, Coal-to-Liquids, Gas-to-Liquids) Incentives, Support or Requirements
- ES-4: CCSR Enabling Policies, R&D, Infrastructure, and Incentives, Including Enhanced Oil Recovery Using CO₂
- ES-5: Pricing Strategies to Promote Efficiency and Renewables, Including Net Metering, Feed-In-Tariffs, Interconnection Rules, Inclined Rates, and Examination of the Standard Rate Structure

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ES TWG Proposed Priority Options for Further Analysis (cont'd.)

- ES-6: New Nuclear Energy Capacity
- ES-7: Renewable Energy Incentives and Barrier Removal, Including CHP
- ES-8: Technology Research and Development (not including CCSR or Wind Potential Study)
- ES-9: Policies to Support Wind Energy
- ES-10: Shale Gas Development and Natural Gas Transportation Infrastructure and Gas-to Liquids Technology
- ES-11: Smart Grid, Including Transmission and Distribution Efficiency
- ES-12: Coal-to-Liquids Production: GHG Emission Reduction Incentives, Support, or Requirements

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RCI TWG Proposed Priority Options for Further Analysis

- RCI-1: Improve building codes for EE, coupled with improved energy code training & enforcement
- RCI-2: Promote, encourage, and incentivize “beyond-code” efficiency in all building characteristics and systems that impact energy consumption
- RCI-3: Expand utility DSM programs (beyond EERS) for electricity
- RCI-4: Develop and implement comprehensive education, outreach, & marketing, including consumer awareness, school curriculum, truth-in-advertising, technical information and support, rationales for action, etc.
- RCI-5: Financing programs and incentives for energy efficiency and CHP (PBF, revolving loans, etc.)

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RCI TWG Proposed Priority Options for Further Analysis (cont'd.)

- RCI-6: Financing programs, incentives, policies, and research for conversion to RE or low-carbon energy sources
- RCI-7: Government Lead by Example (GLE) in highly efficient state and local government buildings
- RCI-8: Training and education for builders, contractors, and building operators
- RCI-9: Building commissioning and re-commissioning, including energy tracking and benchmarking, and implement a building energy labeling program
- RCI-10: Implement advanced metering technologies and associated policies for greater load management, customer control, awareness, price signaling, etc.

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Break



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CCI TWG Proposed Priority Options for Further Analysis

- CCI-1: GHG Emission Inventories, Forecasts, Reporting, and Registry
- CCI-2: Public Education and Outreach
- CCI-3: Adaptation and Vulnerability
- CCI-4: Statewide GHG Emission Reduction, Energy Intensity, and Energy Efficiency Goals and Targets
- CCI-5: State and Local Government GHG Reduction, Energy Intensity, and Energy Efficiency Activities (Lead by Example)

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CCI TWG Proposed Priority Options for Further Analysis (cont'd.)

- CCI-6: Local GHG Reduction, Energy Intensity, and Energy Efficiency Actions
- CCI-7: Financial Policies
- CCI- 8: Conduct an Impact Analysis of Federal GHG Constraints on Kentucky

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Kentucky Quantification Process

- The quantification process will be used by the TWGs to estimate the cost-effectiveness of selected policy options
- See Kentucky Quantification Process Memo

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Next Steps KCAPC, TWGs

- 2 TWG Meetings Before Next KCAPC Meeting
 - TWGs develop full policy option templates for as many policy options as possible
 - TWGs begin quantification of selected policy options

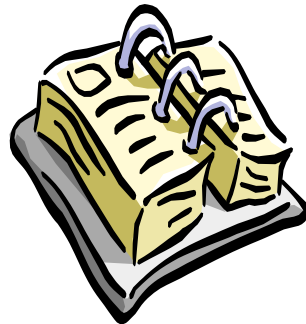
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Next KCAPC Meeting

- Agenda:
 - Review and Approve Some Policy Options from TWGs (non-quantifiable options + selected other options)
 - Review Quantification Results of Selected Policy Options
- Location and Date:
Frankfort, KY; September 29, 2010



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Public Input

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Announcements

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Adjourn

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