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**CLIMATE CHANGE ADVISORY COMMITTEE MEETING
MEETING MINUTES**

March 18, 2010

10:00 A.M. – 12:15 P.M.

RCSOB, Room 105

The meeting of the Climate Change Advisory Committee (CCAC) was called to order at 10:05 A.M. on March 18th, 2010 by Sarah Hetznecker, Chair.

The following members were present:

Richard Allan, Robert Bear, David Cannon, Dan Desmond, George Ellis, Fred Harnack, Sarah Hetznecker (Chair), Vivian Loftness (via conference call), Paul Opiyo (designee for Ex Officio member George Cornelius), Ron Ramsey, Paul Roth (designee for Acting Secretary Quigley), Nathan Willcox, Wayne Williams (designee for Ex Officio member James Cawley).

The following members were absent:

Peter Alyanakian, Lauren Boles, Terry Bossert, Representative Camille “Bud” George, Jan Jarrett, Al Magnotta, John Quigley (Ex Officio member and Vice Chair), Representative Greg Vitali, Ed Yankovich.

The following alternates were present:

None

Proxy Designations:

George Ellis for Terry Bossert; Ron Ramsey for Jan Jarrett; and Richard Allan for Al Magnotta.

PA Department of Environmental Protection (DEP) staff and guests present were:

Amanda Barnes (Facilitator), Secretary John Hanger (DEP), Joe Sherrick (DEP), Kim Hoover (DEP), Brian Trowbridge (DEP), D. Robert Davidson (PA Department of Agriculture), Mark Hammond (Drinker, Biddle and Reath), P. Leigh Bausinger (Drinker, Biddle and Reath), Stephanie C. Wissman (PA Chamber of Business and Industry), Lauren Steele (DGS), Angela Gohn (Greenlee Partners), Greg Czarnecki (DCNR), Jake Smeltz (EPGA), Angelo Albanese (DCNR), John Slade (All4), Erik Ross (Delta Development Group), Elizabeth Hensil (PA Association of Realtors).

INTRODUCTIONS:

Chair Sarah Hetznecker welcomed the committee and asked the members to introduce themselves to the group. The list of proxy designations was reviewed by Ms. Hoover for the committee. Ms. Hoover confirmed there was a quorum with eleven or more voting committee members present. Ms. Hoover introduced a new committee member, Mr. Robert Bear, who is the Director of Environmental Affairs for Alcoa, Inc.

ACTION ITEMS:

- Ms. Hetznecker requested motions to approve CCAC meeting minutes from the January 12th meeting. Minor revisions to the minutes were noted. A motion was made by Mr. Cannon and seconded by Mr. Williams to approve the minutes inclusive of revisions. The committee voted unanimously to approve the meeting minutes.

OVERVIEW OF ALCOA, INC. CLIMATE PROGRAM:

- New committee member Robert Bear explained his position at Alcoa and described the work Alcoa has done with the life-cycle analysis of aluminum-based products. Energy savings and greenhouse gas reductions have been achieved by substituting recycled aluminum for raw material.
- Secretary Hanger thanked Mr. Bear for joining the committee and recognized Alcoa's efforts.

ADAPTATION INTRODUCTION:

- Ms. Hoover reviewed the agenda for the upcoming Adaptation to Climate Change Meeting, including the confirmed speakers. She asked the committee for input on the proposed framework for addressing adaptation to climate change
- Ms. Hoover explained the establishment of working groups for four major sectors: Natural Resources, Infrastructure, Public Health & Safety, and Tourism & Outdoor Recreation. She explained how DEP is selecting chairs for the Adaptation Working Groups.
 - Mr. Williams asked what the relationship between the CCAC and the working groups will be, and Ms. Hoover displayed a flow diagram to illustrate how the DEP will serve as an intermediary between the two groups. Communication will flow both to and from the adaptation working groups and CCAC.
 - Mr. Cannon asked if these are independently established groups, and Ms. Hoover explained that the working groups were being created per the committee's recommendation that a strategy be developed to address adaptation to climate change.

Ms. Hoover further explained that the information collected and recommendations made by the adaptation groups will be a white paper to be apart of the next Action Plan report in 2012. The adaptation meetings will be bi-monthly on alternating months from the CCAC meetings. A steering committee composed of the working group co-chairs, Ms. Hoover, and Mr. Sherrick, will meet bi-monthly as well. Mr. Sherrick added that what the DEP is looking for from these groups is a series of recommendations, similar to those made by the CCAC in their report, which will be useful for state and local governments as well as non-government organizations and industry.

- Ms. Loftness expressed concern about the scale of the infrastructure group and wondered if it shouldn't be split into two groups.
- Mr. Sherrick responded that DEP had considered that and had decided to divide the groups broadly by category. He acknowledged that the group covered a very broad range of topics, but pointed out that while sub-

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groups will naturally form within the working groups, there will be overlap even among the very broad working groups. He emphasized the importance of strong communication within and between groups.

- Mr. Sherrick asked if the committee agreed with the (working group) approach to addressing adaptation to climate change.
- **Action Item:** Mr. Ramsey made a motion to approve, and Ms. Loftness seconded the motion. The committee voted unanimously in favor of approving the department's plan to address adaptation.
- Mr. Cannon observed that this approach would require a lot of management. Ms. Loftness agreed, and stated again that she is concerned about the breadth of the infrastructure group and is worried there are holes.
- Mr. Ellis asked if the committee would be updated regularly on the activities and progress of the Adaptation Working Groups and Mr. Sherrick assured him that it would be.
- Ms. Hoover asked the committee members to forward the electronic Adaptation meeting invites to anyone they believe should be included or think might be interested in participating.

IMPLEMENTATION OF ACTION PLAN UPDATE:

- Mr. Todd Garrison of the Department of General Services presented a report on the significant energy and cost savings achieved by DGS's recent renovations to several state government buildings. (*Note: the presentation is posted to the CCAC website as a meeting material.*)
 - At Ms. Hoover's request, Mr. Garrison enumerated the specific updates made to the RCSOB.
 - Mr. Garrison also noted that more information about the Guaranteed Energy Savings Act (GESA), including the manual for PA government organizations, is available on the DGS website.
 - Secretary Hanger thanked Mr. Garrison and DGS for the excellent work they've done managing the GESA program and congratulated them on their success. The Secretary said Pennsylvania is a leader and this coincides with environmental stewardship opportunities.
- State Legislative Initiatives:
 - Mr. Dennis Maloskey of the Governor's Green Government Council presented a summary of House Bill 444, which includes a requirement that buildings that receive a state appropriation for construction or renovation comply with certain energy and environmental standards. (*Note: the presentation is part of the CCAC PowerPoint, which is posted to the CCAC website as a meeting material.*)
 - Ms. Libby Dodson of the Governor's Green Government Council presented a review of NEEP Appliance Standards and an update on appliance efficiency standards currently being developed for Pennsylvania. (*Note: the presentation is part of the CCAC PowerPoint, which is posted to the CCAC website as a meeting material.*)

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- Mr. Willcox said the goal is for appliance standards to be consistent among states.
- Ms. Loftness noted that Pennsylvania is at the forefront with DGS and high performance buildings.
- Mr. Andrew Place provided an update on the Alternative Energy Portfolio Standard draft legislation with changes to House Bill 80. These changes include expanding Tier 1 to 15 %, annual reporting requirements, solar thermal for hot water is added, solar installations are required to be within the commonwealth and carbon capture and sequestration operation must be leased and the date was moved to 2020.
 - Mr. Desmond expressed concern about carbon sequestration/coal carbon capture initiative(s)—if the technology is not deployable, how can the act presuppose sequestration? Mr. Place replied that the act aims to encourage progress on the economic and technological side. It is likely we will see federal legislation. In response to the concerns, the date was moved from 2015 to 2020.
 - Mr. Ellis asked how the department reconciles the passage of one bill that raises prices for consumers and House Bill 20 that lowers them. Mr. Place disagreed that either of them raises prices and mentioned that there are a number of studies supporting the items in the legislation. Mr. Ellis asked if DEP could have someone from Black & Veatch present their analysis of House Bill 80 at a future CCAC meeting. Mr. Sherrick and Ms. Hoover stated that this could be added to the list of future agenda items.

LOW CARBON FUEL STANDARD (LCFS) UPDATE:

- Mr. Brian Trowbridge provided an update on the Low Carbon Fuel Standard: Since the January Memorandum of Understanding, the coordinating committee has been meeting by conference call weekly and is trying to have proposals ready by the end of the year. It is currently collecting state-specific information to feed into projection models. It hopes to complete the data collection by the end of March and have the projections modeled by the end of May. Other agencies are assisting with data collection, and the data will include a life-cycle analysis for the Marcellus Shale. With an idea of the broadest range of potential impacts on states, the coordinating committee can work out a framework for the standard. The committee is also holding monthly meetings with relevant agency heads from eleven states to keep them informed. It is also engaging regional and state stakeholders and is setting up a webinar to involve them. The committee hopes to organize stakeholders into smaller workgroups centered on specific topics of concern.
 - Mr. Ramsey asked if the CCAC could be kept informed about the stakeholder meetings and requested information be sent to the CCAC when there are opportunities for stakeholders, pointing out that diverse interests are represented in the committee and some may be interested in

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participating. Mr. Ramsey asked if the LCFS framework is addressing issues such as indirect land use.

- Mr. Trowbridge stated that sustainability and the magnitude of indirect land use are being debated nationally. Mr. Trowbridge said the regional steering committee is addressing these issues as required by the Pennsylvania MOU. Information will be forwarded to the committee when there are opportunities for stakeholders to participate.

POSSIBLE AGENDA ITEMS FOR NEXT CCAC MEETING (MAY 20TH):

- Committee asked Mr. Ellis to arrange a presentation by CONSOL Energy, Inc. regarding their ventilation air methane emission abatement project, which involves the installation of equipment which will capture and destroy coal mine methane that would otherwise escape into the atmosphere.
- Mr. Sherrick mentioned that there will be an update on Adaptation.
 - Ms. Loftness asked if there could be a discussion about the overlap of working groups, and Mr. Sherrick stated that this could be integrated into the Adaptation update discussion.
- Ms. Hoover and Mr. Sherrick requested that additional suggestions be submitted to them by e-mail.
- Ms. Hoover asked the committee if the shorter-length meeting (ending before lunch) worked well for them.
 - Ms. Loftness expressed concern about the efficiency of travel and the meeting schedule. Ms. Hoover stated that DEP would consider the possibility of having the Adaptation Steering Committee meet on the same day CCAC meets.

PUBLIC COMMENT

There were no public comments.

ADJOURN

A motion was made by Mr. Cannon and seconded by Mr. Desmond to adjourn the meeting. The motion was approved and meeting was adjourned at 12:15 P.M.