

**CLIMATE CHANGE ADVISORY COMMITTEE
MEETING MINUTES**

January 10, 2017

10:00 a.m. – 3:00 p.m.

Conference Room 105

Rachel Carson State Office Building

MEMBERS/ALTERNATES PRESENT:

Chairperson Steve Krug, Vice Chairperson Terry Bossert, Sara Nicholas, Joseph Sherrick, Mark Hammond, George Ellis, Patrick Henderson, Gary Merritt, Michael Winek, Luke Brubaker (PA Milk Marketing Board), and Marc Mondor

MEMBERS/ALTERNATES ABSENT:

Jim Warner, Ryan Bizzaro, Paul Opiyo, and Steve Winberg

PROXY VOTING:

None

PA DEP STAFF:

Frank Purtell, John Krueger, Jessica Shirley, Dennis Maloskey, Mark Brojakowski, Charles Boritz, Krishnan Ramamurthy, Bo Reiley, David Althoff, Kerry Campbell, Libby Dodson, Mark Hand, and Naishadh Bhatt

MEMBERS OF THE PUBLIC:

Rick Allan (Pugliese/Solar City), Evan Endres and Tamara Gagnolet (The Nature Conservancy), Grant Gulibon (PA Farm Bureau), Bob Barkanic (The Barkanic Group, LLC), Eva Roben (Clean Air Council), and Meegan Kelly, Cassandra Kubes, and Annie Gilleo (ACEEE)

REGULAR MEETING:

The January 10, 2017, regular meeting of the Climate Change Advisory Committee (CCAC) was called to order at 10:06 a.m. by Chairperson Steve Krug. Roll call was taken and, with 9 of 13 seated members present at the start of the meeting, a quorum was established. Members, DEP staff and guests introduced themselves.

DEP Acting Secretary Patrick McDonnell was on hand at the onset of the meeting to address the Committee. Secretary McDonnell thanked the Committee for their help and hard work with the preparation of the 2015 PA Climate Change Action Plan (Update) and asked the Committee to continue to push the recommendations in the Update. He encouraged the Committee to continue with new work on mitigation strategies and adaptation in line with other state agencies that have put forth adaptation plans of their own. He also mentioned the Chesapeake Bay Program's 2017 and 2025 Watershed Implementation Plans and the effects climate change has had and will have on the watershed. At the completion of the Secretary's address the Committee was afforded the opportunity to provide comments and ask questions of Acting Secretary McDonnell.

MINUTES:

The minutes of the November 1, 2016, CCAC meeting were presented to the committee by Mr. Krug for approval. A motion to accept the minutes was made by Mr. Bossert and was seconded. The motion carried by voice vote.

MEETING SUMMARY: (This narrative provides a summary of the discussions that took place during the meeting. It is not a transcript of the proceedings.)

MEMBERSHIP UPDATE:

The CCAC now carries five vacancies (two from the Governor, one from Senate majority, one from Senate minority and one from the House minority). DEP continues to work on filling these vacancies.

Since the November 1, 2016, CCAC meeting one new member has been appointed to the committee. The Senate Minority Leader, Senator Costa, appointed Mr. Marc Mondor to fill one of the two vacant appointed committee seats under his purview. Mr. Mondor's membership is effective January 4, 2017, and will expire January 4, 2021.

PA AGENCY PRESENTATIONS:

2016 GHG Inventory

Mr. Frank Purtell of DEP's Bureau of Air Quality provided a final version of his previous draft presentation of the 2016 PA Greenhouse Gas Inventory (Inventory). The final Inventory presentation included a review of Table 1, a summary of emissions data found in the latest update of EPA's State Inventory Tool (SIT) for 2013 and further clarification of the data provided for the Waste Sector. The 2016 Inventory is considered a stand-alone document as required by § 1361.4 of The Pennsylvania Climate Change Act and will be posted to the CCAC website when finalized.

Methane Reduction Strategies

Mr. Charles Boritz of DEP's Bureau of Air Quality offered an overview PowerPoint presentation on DEP's Methane Reduction Strategies for Natural Gas Operations, General Permit 5 (GP-5) and General Permit 5A (GP-5A). The presentation offered background information prior to February 2, 2013, when air pollution sources, except for stationary compressor engines, at natural gas production sites were exempt from air permitting requirements. On February 2, 2013, DEP issued a comprehensive General Plan Approval and/or General Operating Permit, GP-5, for natural gas compression and processing facilities. On January 19, 2016, Governor Tom Wolf announced new methane emission reduction strategies for oil and gas operations. DEP has developed a general permit, GP-5A, for sources at new or modified unconventional well sites and pigging stations and is revising its current GP-5 to update the permitting requirements for sources at natural gas compression, processing, and transmission facilities. The proposed GP-5A will include specific conditions for well drilling and hydraulic fracturing operations, well completion operations, and wellbore liquids unloading operations. DEP will also propose an amendment to the Air Quality Permit Exemption List to revise Category Number 38. The presentation was followed by a question-and-answer period.

OUTSIDE AGENCY PRESENTATION:

Cassandra Kubes, Meegan Kelly and Annie Gilleo spoke for the American Council for an Energy Efficient Economy (ACEEE). The ACEEE is a nonprofit 501(c)(3) founded in 1980 which acts as a catalyst to advance energy efficiency policies, programs, technologies, investments, and behaviors.

The ACEEE team's presentation covered: background on energy use with and without energy efficiency; multiple benefits of energy efficiency (EE); current EE landscape in Pennsylvania; utility policies and programs (Act 129 and beyond); low-income programs; combined heat and power (CHP); building energy codes; EE financing; and ACEEE resources.

A focal point of the presentation was that by avoiding the need to mine, drill, transport and burn fossil fuels, energy efficiency reduces air emissions and provides economic benefits while meeting increasing demands due to climate change. Energy efficiency is also an important adaptation strategy for climate change and results in quantifiable health benefits.

Committee members posed questions and offered comments throughout the presentation. Questions and comments offered by the committee included EE jobs vs. green jobs, market growth and the triple bottom line of energy efficiency.

DEVELOPMENT OF THE 2018 CLIMATE CHANGE ACTION PLAN UPDATE:

The committee and the Department discussed the development of the next Update. Ms. Shirley led the discussion by introducing the DEP's progress in securing a contractor to work on the development of the 2018 Update. Ms. Shirley informed the Committee that the Department's Office of Pollution Prevention and Energy Assistance (Energy Office) has proposed to join with the Climate Change Program to obtain a contractor to complete a comprehensive assessment of energy potential, production and consumption in Pennsylvania along with an energy resource assessment which will assess all of the indigenous energy resources in the Commonwealth, including coal, oil, water, natural gas, nuclear and renewables, as well as the impact of energy efficiency, energy conservation, energy storage, use of alternative fuels for transportation and other energy resources. Mr. Kerry Campbell of the Energy Office briefed the committee on their portion of the Invitation to Bid (ITB) for the contractor selection process. Ms. Shirley gave the committee an update on progress with action plans from the Update energy assessments and CHP deployment. Ms. Shirley also provided information to the Committee on a statewide planning project, "Finding Pennsylvania's Solar Future," to boost solar energy deployment in the Commonwealth. The DEP-led project will map out scenario plans for PA to produce more solar energy and increase solar-generated in-state electricity sales to 10 percent by 2030. In addition, Ms. Shirley announced that the DEP will acquire a Fellow because of the Commonwealth's William Penn Fellowship Program. The program is a two-year program in which the Fellow will serve a portion of time becoming oriented to state government operations in the Governor's Office of Transformation, Innovation, Management and Efficiency before coming to DEP to work with the Energy Office on PA's solar and climate change projects.

Mr. Mark Hand provided an overview of DEP's new electric vehicle (EV) initiative. The PA EV coalition, as it is named, is a group of state agency personnel and private stakeholders with an interest in advancing the deployment of electric vehicles throughout the state. The recently formed coalition met three times in December, each meeting having a different focus. The first meeting concentrated on EV Education & Outreach, the second on EV Procurement, and the third on EV Charging

Infrastructure. The Department plans to use these initial meetings to assemble more focused subcommittees in 2017 to stimulate deployment of EVs in Pennsylvania.

The Department and Committee continued further discussion on the 2018 Update. Topics of interest for GHG emissions reductions for the 2018 Update include energy efficiency, transportation and CHP deployment. In addition to new mitigation strategies, climate change adaptation continues to be a key point for inclusion in the next Update. The Committee suggested a comprehensive evaluation of past reduction strategies to determine a route for future strategies; however, such a comprehensive analysis cannot be performed at this time because of the lack of data on the effectiveness of past reduction strategies.

It was suggested that the transportation sector should be reviewed more broadly. Everything should be considered when it comes to transportation, the work place, telecommuting, job share, work week length, etc., and how transportation will affect life in the 21st century.

Committee members were asked to prepare a list of strategies and ideas that could be used for guidance for the contractor in the development of the 2018 Update.

ADMINISTRATIVE ITEMS:

DEP will continue to move forward on obtaining an outside contractor to develop the 2018 Update and keep the committee informed on progress.

DEP, along with the Committee members, will develop a list of strategies for possible inclusion in the 2018 Update.

DEP was asked to review the nation-wide electrical generation data, for the committee, compiled by Mr. Purtell, at the next meeting.

PUBLIC COMMENT(S):

Ms. Eva Roben, of the Clean Air Council (CAC), addressed the Committee with comments on DEP's draft General Permits GP-5 and GP-5A. She also expressed appreciation that the CCAC was taking an interest in methane leak mitigation from natural gas infrastructure.

ADJOURNMENT:

A motion to adjourn was made by Mr. Sherrick and seconded. The motion carried, and the meeting was adjourned.