

NEW JERSEY CLEAN AIR COUNCIL

Clean Air Council Members

Leonard Bielory, M.D., Chairman
Toby Hanna, P.E., Vice Chairman
Ferdows Ali, Ph.D.
Jorge H. Berkowitz, Ph.D.
James Blando, Ph.D.
Joseph Constance
Michael Egenton
John Elston
Manuel Fuentes-Cotto
John Maxwell
Pam Mount

Clean Air Council Members

Joyce Paul
Joseph Spatola, Ph.D.
Kenneth Thoman
Junfeng (Jim) Zhang, Ph.D.
Irwin Zonis

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NJ CLEAN AIR COUNCIL MEETING RECORD

July 8, 2009, 9:30 a.m.

NJDEP

401 E. State St.

5th Floor Conference Room

Trenton, NJ

CALL TO ORDER: Dr. Bielory opened the meeting.

COUNCIL MEMBERS PRESENT: All of the Council members were present with the changes noted below. (**See Attachment 1 – Attendance Sheet**)

EXCUSED: James Blando, Manuel Fuentes-Cotto, Joyce Paul
REPRESENTED: Doug Lafayette for Michael Egenton
SPEAKERS: Bill O’Sullivan, Director, Division of Air Quality (DAQ); Commissioner Mauriello; President Jeanne Fox
VISITORS: Kelly Moretta, Schering-Plough Corp., Michael Hornsby, PSEG; Lisa Devito, Board of Public Utilities (BPU), Christine Schell, Olivia Corkedale, Chris Salmi, NJDEP; Howie Geduldig, Public

Meeting Record

Roll call was taken. Chairman called for motion to approve the June minutes. Irwin Zonis made the motion to approve June minutes. Toby Hanna seconded the motion. The June minutes were approved by a unanimous vote.

Administrative Report

Presented by Bill O’Sullivan, Director, DAQ:

1. Stimulus Package—Council requested a copy (electronically, if possible) of distribution of Federal Stimulus money that NJDEP received.
2. Air Quality Forecast Partnership—On June 25, the first “Unhealthy for Sensitive Groups” ozone forecast was issued by the DAQ and televised by the National Weather

Service. So far this summer, there have been very few ozone air quality standard exceedances because of the weather, economic downturn, and emission reduction measures, such as NOx control of peaker electric generators.

3. Clean Cars—The 2009 model year clean vehicle listing for the Low Emission Vehicle (LEV) program includes two pure electric cars, two fuel cell-powered vehicles, four low-speed electric vehicles, eight hybrid-electric models and 41 models of ultra-low emitting gasoline-fueled vehicles. The list grows annually and is published at <http://www.nj.gov/dep/cleanvehicles/> and in the New Jersey Register.

4. Diesel Retrofit—New Jersey brought to EPA's attention that there is national supply and installation problems with tailpipe retrofits of particulate control. A meeting was held in June with EPA and industry to discuss speeding up the installation of retrofits.

5. Diesel Inspection—Outreach seminars were presented in June to the Diesel Emission Inspection Centers (DEICs) on new testing equipment. During the seminars, the DEICs expressed interest in expanding the current inspection and maintenance (I/M) program to include larger vehicles, as well as incorporating additional test methods. The I/M program may expand to larger diesel vehicles in the future.

6. Sulfur in Heating Oil—The low sulfur oil rule proposal package is now under legal review and is expected to be proposed in September.

Discussion:

-John Elston—Common air permits. There are 19 general permits that companies can obtain immediately without case by case review.

-Joseph Spatola—Port emissions? New Jersey is on NY/NJ Port Authority's Steering Committee.

-Jorge Berkowitz—Landfill gas control strategy? Plans must meet New Source performance standards. Energy recovery is encouraged.

-Irwin Zonis—Status of RACT rule implementation? Implementation has started. The high electric demand days (HEDD) part is precedent setting by lowering NOx emissions from peakers. (New Jersey has most peakers in the OTC). First phase is reducing NOx emissions by 20 tons per HEDD. Only by lowering emissions from peakers can New Jersey meet one-hour ozone standards.

-John Maxwell—Section 185 of the Clean Air Act states that if one-hour ozone air quality is not met by 2008, penalties of about \$8,000/ton will be imposed on certain levels of VOC and NOx emissions. New Jersey is awaiting EPA guidance.

-Pam Mount—The Sustainable Jersey Certification Program is a new program which encourages and give support to mayors and towns who are trying to run more sustainable government and towns. The Green Future Committee oversees the certification program under the umbrella of the League of Municipalities with many participating groups like the DEP, Rutgers Sustainable institute, Municipal Land Use Center. Feedback to implement future steps to make a difference in a green future is expected by the end of this summer.

-Jorge Berkowitz—LEED certifications (gold or silver) get better rentals and it pays to be certified. Fees for certification are high, especially "platinum" LEEDS. Maybe 12-year payback. Consult www.usgbc.com (US Green Building Council) for information on LEEDS.

Presentation of 2009 Annual Hearing Report

"Electricity Generation Alternatives for New Jersey's Future: What is the Right Mix for Improving Air Quality and Reducing Climate Change?"

Toby Hanna presented overview of background of report to Commissioner Maureillo and President Fox, including objective of hearing; and that the hearing topic needs further

attention.

The following members presented overview of the recommendations:

Irwin Zonis—Energy Efficiency. Need a successful program. Public awareness is integral to all strategies in the report.

John Maxwell—Fossil Fuels. Technology is advancing to minimize emissions from fossil Fuels. Cogeneration is a mutually beneficial enterprise that avoids duplicate of effort.

Wind & Solar. Push options forward for wind and solar, adding urgency. New Jersey leads in off-shore renewable projects by developers, eliminating risks to ratepayers or utilities.

Financial and market incentives are the same as for wind. Although cost for solar projects are decreasing, the price is still high. Need to move to bring costs down by providing stimulus money to locals for energy efficiency renewables.

Commissioner Mauriello—Off-shore projects will bring jobs to the port areas. Studies needed to characterize impact on the environment to balance use for the areas and match up to wind data. New Jersey is a cautiously aggressive shore state.

Ken Thoman—Nuclear. The four power plants in New Jersey generate half of the state's energy needs. Suggestions are needed for maintaining aging plants. Possibilities exist for new units. Waste issues still unresolved. Transmission infrastructure systems need to be modernized to achieve CAC recommendations.

Commissioner Mauriello—This recommendation is consistent with the Energy Master Plan. New nuclear technology is top-notch. Washington determined that to follow the waste disposal methods of France, a leader for managing nuclear waste, would be a huge capital cost for US. Recommend keeping transmission upgrades in existing corridor.

President Fox—BPU will look at wind and solar models of Massachusetts and Connecticut. Electricity generation is not regulated. Deregulation intended to spur generation but did not. Transmission infrastructure is not regulated. If not upgraded, possibility of brown/blackouts. Alternatives are in the Energy Master Plan.

Joseph Spatola—Hydropower. Development should be politically-free and carbon neutral. Use new micro-hydropower applications in sewage treatment plants. Include in water Master Plan. Waste-to-Energy. Consider projects that could reduce methane and greenhouse gases. Other New Technologies. Energy efficient geo-thermal heat pumps in residential settings.

Commissioner Mauriello—Efforts are being made to overcome obstacle of installing geo-thermal heat pumps that exist when drilling wells. Inlets with 60 foot channels could be conducive for hydropower. BPU has made funds available for a pilot project in the Liberty harbor Marina. Rising tides can capture some power that can be tied into the Liberty Science Center.

Toby Hanna—Policy Solutions. Lessons can be learned from corn-based ethanol to move forward. Endorse continuous money for pilot projects. Determine management at best level—state or federal.

President Fox—Energy efficiency is number one priority. BPU has partnered with League of Municipalities to further progress with residential communities. Partnerships have also been established with NJ Business & Industry Association, Chemical Industry Council for building approach in Clean Energy Program. Stimulus money available for residential is number one priority in Clean Energy Program. New building codes to mirror codes at national level. Second priority is cost of electricity. BPU is working with PJM/FERC in hopes of carbon law to bring cost down.

Commissioner Mauriello—Thanked the CAC for all the work that CAC does at their public hearing and year-round and appreciates the synergistic effort of the group.

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NEW BUSINESS/OLD BUSINESS

- Jorge Berkowitz announced his intent to resign from the CAC.
- John Maxwell announced his resignation from the CAC effective July 31, 2009.
- Irwin Zonis announced his resignation from the CAC effective at close of July meeting. Will attend September meeting to fulfill commitment on Nominating Committee. Commissioner Mauriello read his thank you letter to Mr. Zonis at the meeting, noting his many lifetime accomplishments.
- Dr. Bielory noted to Commissioner Mauriello that Jorge Berkowitz and John Maxwell are planning to leave/leaving the CAC. Both being longstanding members of the CAC.
- Chairman called for motion to adjourn the meeting. Jorge Berkowitz made the motion to adjourn, seconded by Irwin Zonis. The meeting was adjourned at 12:05 p.m.

ARTICLES OF INTEREST

- News Clips

NEXT MEETING

September 9, 2009, 9:30 a.m., NJ Chamber of Commerce, 216 W. State St, Trenton, NJ