

SAVE THE DATE!



US EPA Region 2 K-12 Schools Energy Efficiency/PCB Training Webinars

WHO School officials such as directors of school facilities, facilities managers, head custodians, health and safety coordinators, and other key school facilities personnel.

WHEN December 15, 2011

TIME 10:30 AM to 12 PM EST

REGISTER To register please visit <http://www.cleanairinfo.com/energyefficiencytraining/>

COST There is no registration fee.

WEBINAR COORDINATOR Juan G. Gutierrez, MPA
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Webinar Speakers:

- Juan Gutierrez (EPA, R2 / ENERGY STAR Coordinator)
- Mark Maddaloni (EPA, R2 / Toxicologist)
- Joe Biluck, Jr. (Medford Township Board of Education / Director of Operations and Technology)
- Ky Asral (NJDEP / Small Business Assistance Program Manager)
- Brian DeLuca (NJ BPU – Clean Energy Program contractor / Energy Engineer)

This Webinar provides an opportunity for participants to learn about the following:

- **B**enefits of upgrading and retrofitting lighting in schools.
- **D**angers of polychlorinated biphenyls (PCBs) in light ballasts in schools.
- **A** case study of overall energy efficiency in a school in New Jersey.
- **F**inancial resources which New Jersey provides to schools to become energy efficient.

TOPICS!



K-12 Schools Energy Efficiency/PCBs Training Webinars

New Jersey State Schools Webinar:
December 15, 2011 10:30am -12:00pm EST

US EPA Region 2 is hosting a series of webinars to provide targeted outreach to K-12 Schools. The webinars focus on the benefits of upgrading and retrofitting lighting in schools, especially schools that still use T-12 fluorescent lamps. Older lighting technology such as T-12 fluorescents lamps should be the first to be upgraded. According to the U.S. Department of Energy, "switching from T-12 to T-8 lighting with electronic ballast can reduce light energy by 20 to 30 percent." In some instances fewer T-8 lamps can achieve the same illumination of T-12s and increase the color rendering index, which increases the light quality. T-8s also run much cooler which reduces air conditioning costs. Please note that after July 2012 T-12 lamps will no longer be manufactured and consequently the costs for servicing these lamps will increase.

The webinar will also cover the dangers of polychlorinated biphenyls (PCBs) in light ballasts in schools. PCBs were used extensively in school building materials (e.g., caulk/sealant, lighting fixture ballast, etc) from the 1950's until their ban in 1978. Off-gassing of PCBs into the indoor air of a school has been identified as a potentially significant exposure route. PCB residues on surfaces can also contribute to exposure. PCBs are persistent bioaccumulative toxins and are designated as probable human carcinogens by the International Agency for Research on Cancer. PCBs can also cause various non-cancer health effects including adverse effects on the immune system, liver and on reproductive/developmental outcomes.

The New Jersey webinar will demonstrate a case study of overall energy efficiency in a school in NJ. A critical first step in the process was the endorsement and development of strategies to promote energy conservation, increase the use of renewable energy, and improve environmental impact. This allowed the NJ township board of education to actively participate in the solution to the nation's economic, environmental, and energy issues. These strategies release operational funds that can then be re-aligned to meet our instructional goals or be applied to tax relief. The webinar will stress the importance of incorporating energy conservation practices/technologies into the classroom, with the hope that it will stay with the students as they mature into educated energy consumers.

The webinar will have a speaker from the NJ Board of Public Utilities (BPU) Clean Energy Program to discuss different financial resources which New Jersey provides to schools to become energy efficient. NJ Department of Environmental Protection (DEP) will discuss how its Small Business Environmental Assistance Program can help schools comply with NJ DEP regulations and permits for facility equipment upgrades. NJ DEP will also discuss on how its Office of Economic Growth and Green Energy can help find additional resources for schools looking to improve their building's energy efficiency.

Speakers for the webinar are:

Juan G. Gutierrez / US EPA, Region 2 / ENERGY STAR Coordinator

Mark A. Maddaloni / US EPA, Region 2 / Toxicologist

Joe Biluck, Jr. / Medford Township Board of Education / Director of Operations and Technology

Ky Asral / NJDEP / Small Business Assistance Program Manager

Brian DeLuca / NJ BPU – Clean Energy Program contractor/ Energy Engineer

Additional information, including system requirements and a link to register for the webinar are available at <http://www.cleanairinfo.com/energyefficiencytraining/>

Thank you.

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