

2015 October Compendium of Events, News, Resources, Funding Opportunities, and Research Results for ROCIS Stakeholders

The themes for Tom Phillips' October Compendium include, but are not limited to, pesticide, lead, particulate matter, fracking, and asthma issues related to the intrusion of outdoor pollutants. [Click here](#) to sign up for this monthly compendium, ROCIS event updates and briefs, and to learn more about the ROCIS stakeholder air quality initiative involving low cost monitoring and interventions.

In this compendium ...

EVENTS – REGIONAL AUDIENCE

- ✓ Oct. 28, 2015. Transforming the Built Environment through the Internet of Things. Webinar.
- ✓ Nov. 10, 2015. Designing and Constructing a High-Performance Building Envelope for Multi-Unit Affordable Housing. Pittsburgh, PA.
- ✓ Nov. 12, 2015. Designing Places to Thrive. Pittsburgh, PA.
- ✓ Nov. 12, 2015. Public comments due on the Clean Power Plan for Pennsylvania.
- ✓ Nov. 13, 2015. Energy Coordinating Agency's Annual Sustainability Conference. Philadelphia, PA.
- ✓ Ending Oct. 31. Make My Trip Count: Pittsburgh Commuter Survey.
- ✓ Ending Feb. 26. Photographs that show the sorry picture of Pittsburgh air pollution. "In the Air: Visualizing What We Breathe," at Pittsburgh Filmmakers in North Oakland.

EVENTS – NATIONAL AUDIENCE

- ✓ Oct. 27, 2015 - ongoing. Collaborative for High Performance Schools (CHPS). Webinar.
- ✓ Oct. 30, 2015. Abstracts due for 2016 National Environmental Justice Conference and Training Program, Mar. 9 - 12, 2016
- ✓ Oct. 31-Nov. 4, 2015. American Public Health Association's Annual Meeting Chicago, IL.
- ✓ Nov. 2, 2015 Abstracts due. IAQ 2016: Defining Indoor Air Quality: Policy, Standards and Best Practices. ASHRAE and AIVC. Alexandria, VA.
- ✓ Nov. 3-5, 2015. Affordable Housing Design Leadership Institute. Atlanta, GA.
- ✓ Nov. 6, 2015. Asthma Coalition Summit. San Antonio, TX.
- ✓ Nov. 18-20, 2015. Greenbuild International 2015. Washington, D.C.
- ✓ Dec. 7-9, 2015. Green & Healthy Housing Institute's Executive Leadership Institute. Baltimore, MD.

REGIONAL NEWS

- ✓ Hydraulic Fracturing Linked to Increases in Hospitalization Rates in the Marcellus Shale Region. July 15, 2015.
- ✓ PA DEP Fracking Complaint Investigations Are "Cooked" & Shredded. Sept. 15, 2015.
- ✓ Oil & Gas Drilling Impacts Public Drinking Water Supplies in Potter County, PA. Sept. 24, 2015.
- ✓ Coalition Forms to Fight Philadelphia "Energy Hub" for Fracking Gas, Refineries, and Fertilizer Industries. Oct. 14, 2015.
- ✓ Pipeline Paths Remain a Risky Mystery Beneath Our Feet. Oct. 16, 2015.
- ✓ Group Plans to Sue over Alleged Clean Water Act Violations at Clyde Mine. Oct. 20, 2015.
- ✓ Tougher Smog Standard Not Tough Enough for Some. Oct. 1, 2015.
- ✓ Turning Bikes into Smog-Sensing Machines. Oct. 2, 2015.
- ✓ DTE Shenango Compliance Through 2015's Second Quarter. Oct. 7, 2015.
- ✓ Railroads Should Join Civic Groups in a Mission to Improve Air Quality. Oct. 11, 2015.

OTHER NEWS

- ✓ Teens Monitor Neighborhood Air Quality in San Joaquin Valley. Summer 2015.
- ✓ EPA Updates Refinery Standards: First-ever Fenceline Monitoring Requirements. Sept. 29, 2015.
- ✓ California Law Guarantees Tenant's Right to Know About Pesticide Use. Oct. 19, 2015.
- ✓ Pesticides and PCBs Linked to Increased Risk of Diabetes. Sept. 26, 2015.
- ✓ Indoor PM Health Risk Workshop Planned by National Academy of Science. Oct. 13, 2015.
- ✓ Sustainable Financing for Asthma Education & Home Intervention: RAMP Policy Brief. Sept. 13, 2015.
- ✓ Maine Lowers Action Level for Blood Lead Investigations. Oct. 13, 2015.
- ✓ Do Cars and Clothes Bring Lead Exposure Home? Oct. 19, 2015.
- ✓ EPA Awards \$13.2 Million to Clean up Contaminated Brownfields. Sept. 23, 2015.
- ✓ Who Will Pay for ~\$400M Clean Up of Homes Contaminated By Exide Battery Plant? Aug. 21, 2015.
- ✓ Mapping Home Hazards and Recommending Renovation Actions in Detroit. Sept. 8, 2015.
- ✓ UT Austin Studies IAQ, Noise, Microbes, and Lighting in Six High Schools. May 22, 2015.
- ✓ Portable Classroom Advisors Needed. Oct. 7, 2015.
- ✓ New Podcast from Asthma Community Network on Community Health Workers. Oct 22, 2015.

RESOURCES

- ✓ Free Healthy Home Inspection for Residents with Asthma and Allergies in SW PA.
- ✓ Cleaning for Asthma-Safe Schools (CLASS). California Department of Public Health, 2015.
- ✓ California School and Health Environmental Asthma Coalition. Videos, conference presentations, and other resources.
- ✓ Mobile Source Strategy Project. California Air Resources Board, Oct. 16 workshop, 2015.
- ✓ Toolkit and Case Studies for Passive NO₂ Monitoring to Track Effectiveness of Traffic and Land Use Mitigations. UK Dept. of Environment Food Resources Agency (DEFRA).
- ✓ Traffic-related Air Pollutant Research Projects at National Institute of Health.

FUNDING OPPORTUNITIES

- ✓ California SEHAC: Up to \$500 for Student Projects on Asthma. Due Oct. 30, 2015.
- ✓ EPA: School Bus Replacement and Retrofit Funding Opportunity. Due Oct. 30, 2015.
- ✓ NIH: Personalized Strategies to Manage Symptoms of Chronic Illness. Due Jan. 16, 2016.
- ✓ California Energy Commission: Reduce the Environmental and Public Health Impacts Of Electrical Generation and Make the Electricity System Less Vulnerable to Climate Impacts: Phase II. Questions due Oct. 23, Applications due Dec. 18, 2015.
- ✓ CalEPA: \$1 Million to Support Vulnerable Communities. Due Jan. 22, 2016.

RESEARCH RESULTS

- ✓ Residential Proximity to Major Roads and Term Low Birth Weight. The Roles of Air Pollution, Heat, Noise, and Road-Adjacent Trees. Dadvand, et al., 2014.
- ✓ The Pregnancy Exposome: Multiple Environmental Exposures in the INMA-Sabadell Birth Cohort. Robinson et al., 2015.
- ✓ California Pesticide Air Monitoring Report 2014.
- ✓ The Effects of Exposure to Environmental Factors on Heart Rate Variability: An ecological Perspective. Schnell et al., 2013.
- ✓ Human Exposure to Environmental Health Concern by Types of Urban Environment: The case of Tel Aviv. Schnell et al., 2015.
- ✓ Several traffic-related exposure and health studies, including indoor-outdoor studies. J. Exposure Science & Environmental Epidemiology, Sept./Oct. 2015.

RESEARCH RESULTS continued

- ✓ Characterizing Ultrafine Particles and Other Air Pollutants In and Around School Buses. Zhu et al., 2014.
- ✓ Residential Infiltration of Fine and Ultrafine Particles in Edmonton. Kearney et al., 2014.
- ✓ Real-time Particle Monitor Calibration Factors and PM_{2.5} Emission Factors for Multiple Indoor Sources. Dacunto et al., 2014.
- ✓ Estimating Mortality Derived from Indoor Exposure to Particles of Outdoor Origin Ji and Zhao, 2015.
- ✓ Characteristics of flow and reactive pollutant dispersion in urban street canyons. Park et al. 2015.
- ✓ A method to measure the ozone penetration factor in residences under infiltration conditions: application in a multifamily apartment unit. Zhao & Stephens, 2015.
- ✓ Evaluating the Long-Term Health and Economic Impacts of Central Residential Air Filtration for Reducing Premature Mortality Associated with Indoor Fine Particulate Matter (PM_{2.5}) of Outdoor Origin. Zhao et al., 2015.
- ✓ Health Benefits of Green Public Housing: Associations With Asthma Morbidity and Building-Related Symptoms. Colton et al., Oct. 2015 online.
- ✓ Translating Evidence Into Practice: 10-Year Impact Report. Merck Childhood Asthma Network, Oct. 2015.
- ✓ Future Research Directions in Asthma: An NHLBI Working Group Report. Levy et al., 2015.
- ✓ Arizona Extreme Weather, Climate and Health Profile Report. Chuang et al., March 2015.
- ✓ Urban social housing resilience to excess summer heat. Mavrogianni et al., 2015.
- ✓ Estimation of future PM_{2.5}- and Ozone-related Mortality Over the Continental United States in a Changing Climate: An Application of High-resolution Dynamical Downscaling Technique. Sun et al., 2015

CONFERENCE PROCEEDINGS

- ✓ 2015 Better Buildings Summit, DOE, May 28, 2015, Washington, DC. June 2-3, 2015, Sacramento, CA.
- ✓ 9th International Conference on Urban Climate, July 20-24, 2015, Toulouse, France.
- ✓ Community Modeling and Analysis (CMAS) October 5-7, 2015. Chapel Hill, NC.
- ✓ 2015 International Society of Exposure Science Annual Meeting. October 18 - 22. Henderson, NV
- ✓ Behavior, Energy, and Climate Change Conference. Sacramento, CA. October 18-20, 2015.
- ✓ 2015 ACI Mid-Atlantic Regional Home Performance Conference. Cherry Hill, NJ.

ABSTRACTS AND LINKS (for the above items)

EVENTS – REGIONAL AUDIENCE

Oct. 28, 2015. [Transforming the Built Environment through the Internet of Things.](#)

Webinar on what's new in green architecture, from Vivian Loftness and manufacturers.

Tour the Center for Sustainable Landscape. Phipps Conservatory, Pittsburgh, PA.

Nov. 10, 2015. [Designing and Constructing a High-Performance Building Envelope for Multi-Unit Affordable Housing.](#)

Jeff Davis will present details on a ventilated rain screen façade system and Passive House inspection and testing. GBA offices, Pittsburgh, PA.

Nov. 12, 2015. [Designing Places to Thrive.](#)

Toni Griffin and John Fetterman discuss urban and community designs that address equity, diversity, inclusion, and sustainability. GBA offices, Pittsburgh, PA.

EVENTS – REGIONAL AUDIENCE continued

Nov. 12, 2015. [Public comments due on due on the Clean Power Plan for Pennsylvania.](#)

The PA DEP is taking public comments on how to craft its plan to reduce carbon pollution from power plants to meet the federal [Clean Power Plan](#)'s goals and requirements, including investments in energy efficiency in multifamily homes.

Nov. 13, 2015. [Energy Coordinating Agency's Annual Sustainability Conference.](#)

Philadelphia, PA. Topics include healthy homes, affordability, energy efficiency, climate adaptation, and the federal Clean Power Plan.

Ending Oct. 31. [Make My Trip Count: Pittsburgh Commuter Survey.](#)

To help improve your commute and improve the environment, take this survey if you commute by any mode in the Pittsburgh region, especially if you make regular trips into Downtown, Oakland, and the North Shore.

Ending Feb. 26. [Photographs that Show the Sorry Picture of Pittsburgh Air Pollution.](#)

["In the Air: Visualizing What We Breathe,"](#) at Pittsburgh Filmmakers in North Oakland, attempts to raise our consciousness about the progress we have yet to make.

EVENTS – NATIONAL AUDIENCE

Oct. 27, and beyond, 2015. [Collaborative for High Performance Schools \(CHPS\).](#)

Webinars on best practices for inspecting school facilities and operations.

Oct. 30, 2015 Abstracts due for [2016 National Environmental Justice Conference and Training Program, March 9-12, 2016](#)

A National Dialogue for Building Healthy Communities, Washington, DC.

Oct. 31-Nov. 4, 2015. [American Public Health Association's Annual Meeting](#)

Chicago, IL.

Nov. 2, 2015 Abstracts due. [IAQ 2016: Defining Indoor Air Quality: Policy, Standards and Best Practices.](#) ASHRAE and AIVC. Alexandria, VA.

Nov. 3-5, 2015. [Affordable Housing Design Leadership Institute.](#) Atlanta, GA.

Nov. 6, 2015. [Asthma Coalition Summit.](#)

San Antonio, TX. In conjunction with the American Academy of Allergy, Asthma and Immunology annual conference.

Nov. 18-20, 2015. [Greenbuild International 2015.](#) U.S. Green Building Council. Washington, D.C.

Dec. 7-9, 2015. [Green and Healthy Housing Institute's Executive Leadership Institute.](#)

Baltimore, MD. A forum for interactive learning and discussion, highlighting national best practices and tools to advance healthy, safe and energy efficient housing. Invitation only. Contact GHHI at ghhi@ghhi.org.

REGIONAL NEWS

[Hydraulic Fracturing Linked to Increases in Hospitalization Rates in the Marcellus Shale Region.](#)

July 15, 2015. PA residents in counties with high well density were more likely to be admitted for a suite of ailments, suggesting that suggests that healthcare costs must be factored into the economic benefits of fracking.

[PA DEP Fracking Complaint Investigations Are “Cooked” & Shredded.](#)

Sept. 15, 2015. PA Department of Environmental Protection (DEP) has kept drinking water contamination across Pennsylvania “off the books” since fracking began in 2004. The 2,309 complaint records are now in an online, open-source project called #fileroom (PublicFiles.org), along with interactive, searchable maps built by [FracTracker Alliance](#).

[Oil & Gas Drilling Impacts Public Drinking Water Supplies in Potter County, PA.](#)

Sept. 24, 2015. Two public drinking water systems have been impacted and at least [seven private water supplies](#) contaminated due to ongoing pollution being caused by a natural gas fracking.

[Coalition Forms to Fight Philadelphia “Energy Hub” for Fracking Gas, Refineries, and Fertilizer Industries.](#)

Oct. 14, 2015. The Green Justice Philly collaborative of community and environmental groups is opposing the plan, and pushing the city to increase investments in renewable energy, energy efficiency, and training for workers to transition out of the fossil fuel industry.

[Pipeline Paths Remain a Risky Mystery Beneath Our Feet.](#)

Oct. 16, 2015. An estimated 30,000 more miles of new pipelines will be built in Pennsylvania within the next two decades. Pipeline companies aren’t required to share that information on existing or planned pipeline locations with the public. Mapping errors have lead to pipeline ruptures by construction workers. The Pipeline Hazardous Material Safety Administration is working right now to update its rules for mapping.

[Group Plans to Sue Over Alleged Clean Water Act Violations at Clyde Mine.](#)

Oct. 20, 2015. Water from the abandoned mine is treated and then drained into Ten Mile Creek, which flows into the Monongahela River, a source of drinking water for hundreds of thousands of people in the region.

[Tougher Smog Standard Not Tough Enough for Some.](#)

Oct. 1, 2015. EPA lowers ozone standard from 75 to 70 ppb. Science advisors recommended lower levels.

[Turning Bikes into Smog-Sensing Machines.](#)

Oct. 2, 2015. GASP is using bicyclists to map air pollution hot spots in Pittsburgh.

[DTE Shenango Compliance Through 2015’s Second Quarter.](#)

Oct. 7, 2015. The coke oven facility violated several air emission limits, multiple times.

[Railroads Should Join Civic Groups in a Mission to Improve Air Quality.](#)

Oct. 11, 2015. Options for reducing a major source of air pollution in Pittsburgh are discussed, especially for older locomotives exempt from EPA’s revised regulations.

OTHER NEWS

[Teens Monitor Neighborhood Air Quality in San Joaquin Valley.](#)

Summer 2015. Teens carried backpack PAH monitors to and from school, as part of the [CHAPS](#) project, which is also looking at effects on pregnancy and inflammation. Researchers work with local residents to understand air pollution's effects on children's health.

[EPA Updates Refinery Standards: First-ever Fenceline Monitoring Requirements.](#)

Sept. 29, 2015. The rules require continuous monitoring of benzene concentrations at the fenceline all around refinery facilities, corrective action to protect neighboring communities, and posting of the monitoring data online.

[California Law Guarantees Tenant's Right to Know about Pesticide Use.](#)

Oct. 19, 2015. [SB 328](#) guarantees tenants the right to know about the pesticides used where they live by requiring landlords that self-apply pesticides to notify tenants of when and where pesticide products are used. More information is in the [fact sheet](#).

[Pesticides and PCBs Linked to Increased Risk of Diabetes.](#)

Sept. 26, 2015. Exposure to pesticides significantly increases the risk of type 2 diabetes by nearly 60%, finds an extensive literature review. Another study found that early exposure to endocrine disrupting pollutants such as PCBs increased the risk of gestational diabetes four-fold.

[Indoor PM Health Risk Workshop Planned by National Academy of Science.](#)

Oct. 13, 2015. The Academy's Institute of Medicine plans to hold a public workshop on Feb. 10-11, 2016 to discuss the state of the science on the health effects of indoor exposure to particulate matter.

[Sustainable Financing for Asthma Education and Home Intervention: RAMP Policy Brief.](#)

Sept. 13, 2015. California's regional asthma collaborative issues a call to action to secure sustainable financing, based on strong evidence that these measures improve health outcomes and reduce health care costs.

[Maine Lowers Action Level for Blood Lead Investigations.](#)

Oct. 13, 2015. Maine will now be conducting environmental investigation at 5 µg/dl or above, instead of 15 µg/dl, per CDC recommendations. Enforcement authority was also added.

[Do Cars and Clothes Bring Lead Exposure Home?](#)

Oct. 19, 2015. People who use firearms for work or recreation may be at risk of toxic lead exposure, according to a new study. [Lead on house porches is also a common problem.](#)

[EPA Awards \\$13.2 Million in Supplemental Funds to Clean up Contaminated Brownfields.](#)

Sept. 23, 2015. Awards went to 31 successful grantees helping 44 communities carry out cleanup and redevelopment projects. These projects will also help communities create jobs while protecting people's health and the environment. Many of the RLF cleanups are in under-served, over-polluted, and economically disadvantaged neighborhoods.

[Who Will Pay for ~\\$400M Clean Up of Homes Contaminated By Exide Battery Plant?](#)

Aug. 21, 2015. As many as 10,000 homes were contaminated in the L.A. area.

OTHER NEWS continued

[Mapping Home Hazards and Recommending Renovation Actions in Detroit.](#)

Sept. 8, 2015. Excessive cold, mold and dampness, and lead paint were the most frequent problems found in assessments of 500 homes. To meet 10-year goals to avoid deaths, injuries, illness and loss of mental capacity caused by home environments, Detroit needs at least 4,900 new or rehabilitated homes a year.

[UT Austin Studies IAQ, Noise, Microbes, and Lighting in Six High Schools.](#)

May 22, 2015. The researchers will also spend summer periods testing innovative, low-cost engineering approaches for improving high school interior environments and student health. The project will provide hands-on learning experience for students and teachers.

[Portable Classroom Advisors Needed.](#)

Oct. 7, 2015. The Collaborative for High Performance Schools is seeking nominations of parties to participate in updating the [National CHPS Criteria for relocatable, modular and prefabricated school buildings](#). Contact Stephany Mason <techcomm@chps.net>.

[Podcast: It Takes a Village: Mobilizing Community Health Workers to Engage a Community.](#)

Oct. 22, 2015. The Asthma Community Network. In this recorded episode, Sinai Urban Health Institute's best practices for the community health worker program and study highlights are discussed. Explore proper training and support for community health workers before, during, and after they deliver in-home asthma care services. Examine how collaborative partnerships, thorough monitoring and evaluation practices, and full community engagement can be leveraged to address asthma disparities.

RESOURCES

[Free Healthy Home Inspection for Residents with Asthma and Allergies in SW PA.](#)

For Allegheny and surrounding counties, the Health Department will conduct a home assessment, give advice, and provide a toolkit of intervention supplies.

[Cleaning for Asthma-Safe Schools \(CLASS\).](#)

California Department of Public Health, 2015. How-to Guide, videos, fact sheets, and webinar on healthy cleaning practices and cleaning products to protect students, teachers, and janitors.

[California School and Health Environmental Asthma Coalition.](#)

Videos, conference presentations, and other resources.

[Mobile Source Strategy Project.](#)

California Air Resources Board, Oct. 16 workshop, 2015. The discussion draft addresses how to meet air quality standards, achieve greenhouse gas (GHG) emission reduction targets, reduce petroleum consumption, and decrease health risk from transportation emissions over the next fifteen years. Both on-road and off-road sources are addressed.

[Toolkit and Case Studies for Passive NO₂ Monitoring to Track Effectiveness of Traffic and Land Use Mitigations.](#)

UK Dept. of Environment Food Resources Agency (DEFRA).

[Traffic-related Air Pollutant Research Projects at National Institute of Health.](#)

Recent and ongoing project information, from Similar Projects tab.

FUNDING OPPORTUNITIES

[California SEHAC: Up to \\$500 for Student Projects on Asthma.](#) Due Oct. 30, 2015.

[EPA: School Bus Replacement and Retrofit Funding Opportunity.](#) Due Oct. 30, 2015.

[NIH: Personalized Strategies to Manage Symptoms of Chronic Illness.](#) Due Jan. 16, 2016.

[California Energy Commission: Reduce the Environmental and Public Health Impacts Of Electrical Generation and Make the Electricity System Less Vulnerable to Climate Impacts: Phase II.](#)

Questions due Oct. 23. Applications due Dec. 18, 2015. Topics include: IEQ, Health, and Human Performance; Electrification and Environmental Justice; Public Health Research Roadmap; Climate Adaptation and Resilience; Small Grants; etc.

[CalEPA: \\$1 Million to Support Vulnerable Communities.](#) Due Jan. 22, 2016.

RESEARCH RESULTS

[Residential Proximity to Major Roads and Term Low Birth Weight. The Roles of Air Pollution, Heat, Noise, and Road-Adjacent Trees.](#) Dadvand, et al., 2014.

[The Pregnancy Exposome: Multiple Environmental Exposures in the INMA-Sabadell Birth Cohort.](#) Robinson et al., 2015.

[California Pesticide Air Monitoring Report 2014.](#) Three agricultural communities were monitored for a year. Of the 23 high-risk pesticides and breakdown products detected, 22 did not exceed their screening levels or regulatory target concentrations.

[The Effects of Exposure to Environmental Factors on Heart Rate Variability: An Ecological Perspective.](#) Schnell et al., 2013.

[Human Exposure to Environmental Health Concern by Types of Urban Environment: The Case of Tel Aviv.](#) Schnell et al., 2015.

[Several traffic-related exposure and health studies, including indoor-outdoor studies.](#) J. Exposure Science & Environmental Epidemiology, Sept./Oct. 2015.

[Characterizing Ultrafine Particles and Other Air Pollutants In and Around School Buses.](#) Zhu et al., 2014.

[Residential Infiltration of Fine and Ultrafine Particles in Edmonton.](#) Kearney et al. 2014.

[Real-time Particle Monitor Calibration Factors and PM_{2.5} Emission Factors for Multiple Indoor Sources.](#) Dacunto et al., 2014.

[Estimating Mortality Derived from Indoor Exposure to Particles of Outdoor Origin](#) Ji and Zhao, 2015.

[Characteristics of Flow and Reactive Pollutant Dispersion in Urban Street Canyons.](#) Park et al., 2015.

RESEARCH RESULTS

[A Method to Measure the Ozone Penetration Factor in Residences Under Infiltration Conditions: Application in a Multifamily Apartment Unit.](#) Zhao & Stephens, 2015.

[Evaluating the Long-Term Health and Economic Impacts of Central Residential Air Filtration for Reducing Premature Mortality Associated with Indoor Fine Particulate Matter \(PM2.5\) of Outdoor Origin.](#) Zhao et al., 2015.

[Health Benefits of Green Public Housing: Associations With Asthma Morbidity and Building-Related Symptoms.](#) Colton et al., Oct. 2015 online. [Press release.](#)

[Translating Evidence Into Practice: 10-Year Impact Report.](#) Merck Childhood Asthma Network, Oct. 2015. The project evaluated the implementation of evidence-based, sustainable interventions in different “care coordination” settings: school district, clinic or health care system, and community, in four US cities.

[Future Research Directions in Asthma: An NHLBI Working Group Report.](#) Levy et al., 2015.

[Arizona Extreme Weather, Climate and Health Profile Report.](#) Chuang et al., March 2015. From the Arizona Building Resilience Against Climate Effects (BRACE), a CDC initiative. Air quality and extreme heat risks and vulnerability indicators were mapped and discussed. Journal articles and posters are also available at the author’s websites.

[Urban Social Housing Resilience to Excess Summer Heat.](#) Mavrogianni et al., 2015. Indoor temperature and PM were modeled. [Presentation](#) also available.

[Estimation of Future PM2.5- and Ozone-related Mortality Over the Continental United States in a Changing Climate: An Application of High-resolution Dynamical Downscaling Technique.](#) Sun et al., 2015.

CONFERENCE PROCEEDINGS

[2015 Better Buildings Summit.](#)

DOE, May 28, 2015, Washington, DC. Presentations on energy efficiency: HVAC maintenance, retrofits, commissioning, operator training, financing, etc.

[Educational Conference on the Use of Vegetation as Near-Roadway Mitigation for Air Pollution.](#)

June 2-3, 2015, Sacramento, CA. Updates on research by CARB/UCLA, EPA, Cornell, UCD, etc.

[9th International Conference on Urban Climate.](#)

July 20-24, 2015, Toulouse, France. Presentations and abstracts on indoor and outdoor air quality, heat, climate adaptation, vegetation, sensors, public health.

[Community Modeling and Analysis \(CMAS\) Oct. 5-7, 2015.](#)

Chapel Hill, NC. Includes presentations and extended abstracts on climate change, wildfires, air quality, and health.

CONFERENCE PROCEEDINGS continued

[2015 International Society of Exposure Science Annual Meeting.](#)

Oct. 18-22, Henderson, Nevada. Indoor and outdoor pollutant sources, pollutant infiltration, heat exposure, pollutant monitoring, air cleaning, and other interventions were addressed. Searchable abstracts are available.

[Behavior, Energy, and Climate Change Conference.](#)

Oct. 18-20, 2015. Sacramento, CA. Premier meeting on understanding human behavior and decision making that is needed to accelerate the transition to an energy-efficient and low-carbon future.

[Proceedings](#) will be available.

[ACI Mid-Atlantic Regional Home Performance Conference.](#)

Oct. 20-21, 2015. Cherry Hill, NJ.

That's it for the October Compendium!

Please send us event information, news, resources, research results for next month's compendium. Visit the ROCIS website for current and past compendiums, as well as the ROCIS white papers, and archives from meetings and webinars.

Cheers,
Tom

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