



**National Safe and Healthy Housing Coalition
Member Presentations at the National Healthy Homes Conference
June 2011**

Monday, June 20, 2011

Session Title: Federal Healthy Homes Legislation and Policy

Time: Monday, 1:00-2:30 p.m.

Presenters: Jane Malone (National Center for Healthy Housing), Melanie Hudson (Children's Health Forum), Patricia Adkins (Home Safety Council), Ruth Lindberg (National Center for Healthy Housing), Amy McLean Salls (National Center for Healthy Housing)

Several core themes define the next steps to be taken toward mainstreaming healthy homes: the need to enact and enforce housing standards; the need for well-targeted resources for health-protective housing maintenance/rehab/retrofit and community capacity building; and the opportunity to leverage resources for energy efficiency delivery and health care reform with healthy housing. Advancing this complex agenda, while supporting related objective, requires a national movement and strategy. In this session we will explore just a few of the current and recent efforts of the National Safe and Healthy Housing Coalition. The Partnerships Work Group has been connecting with possible partners such as congressional caucuses and national employer organizations that influence private insurers' coverage plans. The coalition will be leading discussions with CMS and private insurers in the coming months to foster support for environmental assessments and interventions. The Legislative Work Group has been tracking Senator Jack Reed's and Rep. Bob Brady's healthy homes bills as well as opportunities to include their provisions in allied legislation. A new work group is leading NGO development of evidence-based standards for healthy homes that can be used by federal agencies and model code organizations. These efforts (and possibly future participation) will be of interest to practitioners, agency staff, and advocates.

Session Title: Green & Healthy Homes Initiative (GHHI) - Overview & Tutorial

Time: Monday, 1:00-2:30pm

Presenter: Ruth Ann Norton (The National Coalition to End Childhood Lead Poisoning)

This session will provide a general overview of the Green and Healthy Homes Initiative (GHHI) and highlight key innovative elements behind this service delivery model currently underway in 15 pilot sites. This session will highlight inefficiencies in current assessment coordination, emphasizing the need for and benefits of a holistic housing intervention model to address housing-related health, safety, and energy efficiency issues in older, low-income neighborhoods. Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI.

Session Title: Understanding Indoor Air: How the System Works

Time: Monday, 1:00 – 2:30 p.m.

Presenter: Carl Grimes (Healthy Habitats LLC)

Indoor air quality is defined one way by mold inspectors, another way by HVAC contractors, yet another by industrial hygienists and public health, and even differently by carpet cleaners, manufacturers, home builders, and landlords. They all claim they are measuring, testing, or improving indoor air quality. They are all correct but only partially. Each is involved in one component of the dynamic inter-related system of homes commonly referred to as "indoor air quality" (IAQ). The workshop will identify the major components of IAQ with an emphasis on how they interact to either degrade or improve the IAQ of homes. The activity will be a guided group examination and discussion of photographs and data from three representative home inspections.

Session Title: Doing Good and Building Better Green and Healthy Homes

Time: Monday, 1:00 – 2:30 p.m.

Presented by: Mike Haigh (Dallas Area Habitat for Humanity)

This session will use examples from two successful affordable housing developments using innovative green and healthy designs and present an EPA perspective on Green and Healthy Homes. Through a highly collaborative relationship between owner, architect, engineers, contractor and government agencies, Kenyon House, an apartment building for homeless men and women with HIV/AIDS was designed and built for LEED Platinum and Universal Design. This session will explain the process the project team utilized to create a healthy building for both the residents and the environment. This session will also offer an EPA perspective on best practices and techniques to enhance the healthiness of green homes as well as an overview of free EPA tools. Recent advances in the markets for green construction materials, products, and techniques offer today's home builders, owners and renovators a wider range of greener options than ever before. Utilizing these techniques and products to construct a green home can increase the home's energy and water efficiency, reduce its carbon footprint and operating costs, and make it a healthier place in which to live. However, not everything advertised as "green" succeeds in meeting these goals, particularly in the area of health.

Session Title: Green & Healthy Homes Initiative (GHHI) Assessment Tool

Time: Monday, 3:00-4:00pm

Presenters: Wesley Stewart, Hector Moreno (The National Coalition to End Childhood Lead Poisoning); Ken Strong, Eric Booker (Baltimore City Housing Department).

This session will provide an overview of the Green and Healthy Homes Initiative (GHHI) Comprehensive Assessment Tool (CAT), a handheld, software-based assessment that can be performed by any housing inspector to enable quick triage and cross-referrals. Local governments, tribes, non-government organizations, and federal and state government agencies servicing low income families with housing-related health, safety, and energy efficiency issues will learn more about the development, use, and benefits of the GHHI CAT. Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI.

Session Title: Green & Healthy Homes Market Research Results

Time: Monday, 3-4:00pm

Presenters: Stephanie Bailenson (National Academy of Public Administration); Matt Ammon (U.S. Department of Housing and Urban Development, Office of Healthy Homes and Lead Hazard Control); Ruth Ann Norton, Michael McKnight (The National Coalition to End Childhood Lead Poisoning); Denise Fairchild (Emerald Cities Collaborative); Monica Wang, Sophia Qiu (Harvard School of Public Health)

This session will present the results of three efforts to investigate the actual and perceived barriers to integrating green and healthy housing interventions into weatherization and energy efficiency upgrade programs. Results include examinations of the current state of housing and weatherization. Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI

Session Title: Universal Design in Healthy Affordable Housing

Time: Monday, 3:00 – 4:00 p.m.

Presented by: Tiffani Irwin (Habitat for Humanity International), Thom Phillips (Habitat for Humanity of Michigan)

This session will address principles of Universal Design (UD) and strategies for integrating these principles into building practice. Further, presenters will be encouraged to increase their commitment to implementing UD in affordable housing programs. Extended families are once again living together; baby-boomers are primary care-givers for their parents. In developed nations such as ours, it is anticipated that life expectancy will continue to rise. Life-changing accidents, illnesses, and disabilities are unfortunate facts of life. An increasing number of people will require accessible living environments and assistive devices in order to continue to live their lives as normally and independently as possible. Habitat for Humanity will share some methods and successes for addressing these challenges through implementing UD in affordable housing.

Session Title: Who Is Doing Healthy Weatherization and How?

Time: Monday, 3:00 – 4:00 p.m.

Presenters: Jenae Bjelland, Bob Scott (National Association for States Community Services Programs); Shelley Kawamura (Institute for the Built Environment); Lynne Page Snyder (National Energy Assistance Directors Association/Energy Programs Consortium)

This session will highlight the needs of current weatherization programs and their attempts to integrate healthy homes standards into practice. First, it will provide an overview of the potential health impacts related to remodeling and weatherization programs, then discuss approaches and resources for integrating healthy homes practices and, finally, describe an online inventory tool containing healthy housing-related practices and collaborations as related to the Weatherization Assistance Program at the state, tribal, and local levels.

Session Title: Historical Persistence of Unhealthy Homes

Time: Monday, 3:00 - 4:00 p.m.

Presenter: Carl Grimes (Healthy Habitats LLC)

Although housing and health have improved dramatically throughout history, some problems and characteristics stubbornly persist. One structural component of modern housing is as old as the Neanderthal cave. Others can be traced to the middle ages, the plague, and the notorious

tenements in 19th century New York City. Social pressures and entrepreneurial influences from the past frequently cycle back into prominence today.

A brief history of the structural and social influences in housing can improve our understanding of what supports and what detracts from healthy housing. Historical interrelationships between people and buildings can reveal how a small alteration in perception or shift in social influences can lead to a dramatic improvement in our ability to better understand, design, and maintain healthy homes. Successes and failures of housing and people will be highlighted based on historical documents, studies, and publications. They will illustrate driving forces such as business profit, regulatory compliance, medical attitudes, and even the recent drive toward energy efficient homes. This brief historical review also identifies a key obstacle to healthier homes: An otherwise accepted and widely used methodology which is persistently misapplied to the analysis of health and housing and which mistakenly excludes the singularly fundamental component of homes. An approach based on an informed historical perspective - including an example of how chain saws were used to dramatically correct a serious housing defect (with an inadvertent improvement of another) - has the potential to reduce this inherent uncertainty and to increase success. A brief history of the shift from living in natural environments to the built environment can increase our appreciation and motivation for improving design, construction, recognition, and maintenance of healthy homes.

Session Title: Local and State Housing Codes and Healthy Housing Policy

Time: Monday, 3:00 – 5 p.m.

Presentation: Are All Politics Local? Housing Codes and Strategies for the Future

Presenters: Jane Malone (National Center for Healthy Housing)

In this presentation, for some background, we will provide a succinct history of housing/sanitary codes in the US and consider briefly the UK's Home Health and Safety Rating System. Then we will look at the current "system" for housing codes including (1) how the model international codes are enacted and updated; (2) how standards-setting organizations develop code-worthy technical evidence-based standards that sometimes become part of housing codes; (3) approaches to and differences between local and state codes - enactment and enforcement ; and (4) strategies for creating a national conversation about housing codes and improving the international model codes.

Session Title: Public Health in Housing and Community Development

Time: Monday, 3:00 – 5:00 p.m.

Presenters: Ruth Lindberg (National Center for Healthy Housing, Andrew Dannenberg (Centers for Disease Control and Prevention), Pilar Lorenzana-Campo (Public Health Law and Policy), James Krieger (Public Health – Seattle & King County), Karen Roof (EnviroHealth Consulting)

The association between housing and health has been well known for over a century. This presentation will examine how incorporating health into housing and community development (including land use planning) can result in measurable public health impacts.

Participants will learn about practical tools for incorporating health considerations into the broader neighborhood fabric. This presentation will include four speakers, each of whom offers a different tool for creating neighborhoods that promote public health. Dr. Andrew Dannenberg will discuss the use of Health Impact Assessments to examine the effects of land use and transportation decisions on communities. Dr. James Krieger will present the results of efforts in Seattle and King County, Washington to use agency partnerships and community empowerment strategies to create systems change and healthier built environments at public housing sites. Pilar Lorenzana-Campo will discuss creative partnerships to support healthy communities; strategies for participation in planning processes; and policies that set the stage for increased access to healthy food and opportunities for physical activity. Ruth Lindberg will discuss efforts to incorporate health into land use planning in Howard County, Maryland through its Healthy Communities Task Force.

This presentation supports the track themes by focusing on evidence-based strategies for creating neighborhoods that promote public health and by offering tools that have direct and practical application to communities.

Session Title: Affordable Can Be Healthy Too

Time: Monday, 4:15 – 5:15 p.m.

Presented by: Jane Massey (Dallas Area Habitat for Humanity); Krista Egger (Advanced Energy); Esmond Anderson (Cape Fear Habitat for Humanity (North Carolina))

Creating healthy homes in healthy communities is a challenge even when building market-rate housing on greenfield land. How can it be done retrofitting and building affordable housing — reaching homebuyers with incomes below 60% AMI — in neglected neighborhoods? This session will focus on the experience of Habitat for Humanity in two distinct projects in Texas and North Carolina. It will explain and discuss some of the key construction details that successfully produced tight, energy efficient and healthy homes.

Session Title: Burdens of Home Injury and Death: Associated Costs and Benefits of Interventions and Prevention Strategies

Presentation: Preventing Home Injuries through Safety Modifications: A Review of the Evidence

Time: Monday, 4:15 – 5:15 p.m.

Presented by: Dr. Angela Michalide (Safe Kids Worldwide) and Dr. Carolyn DiGuseppi (Colorado School of Public Health, University of Colorado Denver)

Convened by the Centers for Disease Control and Prevention, subject matter experts systematically reviewed evidence on the effectiveness of housing interventions that affect safety and injury outcomes, such as falls, fire-related injuries, burns and drowning, carbon monoxide poisoning, heat-related deaths, and noise-related harm, associated with structural housing deficiencies. Structural deficiencies were defined as those deficiencies for which a builder, landlord, or homeowner would take responsibility (i.e., design, construction, installation, repair, monitoring). Three of the 17 interventions reviewed had sufficient evidence for implementation: installed, working smoke alarms; isolation four-sided pool fencing; and preset safe hot water temperature. Five interventions needed more field evaluation, eight needed formative research,

and one was found to be ineffective. This evidence review shows that housing improvements are likely to help reduce burns and scalds, drowning in pools, and fire-related deaths and injuries.

Session Title: Green, More than a Color: Research on the Potential Benefits of Green Housing on the Indoor Environment and Health

Time: Monday, 4:15-5:15pm

Presenters: Emily Ahonen, Colin Murphy (University of Illinois at Chicago); Susan Aceti (National Center for Healthy Housing); Ellen Wells (Case Western Reserve University School of Medicine); Matt Berges (Environmental Health Watch)

What are the health impacts of green and energy efficient housing? Does the use of green healthy homes practices achieve health gains and reduce exposure to toxicants? These studies address the potential association between green affordable housing and occupants' health, and the potential for green housing to improve health and related healthcare costs. The studies employ various techniques, including repeat collection of self-reported health data, medical care utilization data, and environmental sampling data, to answer research questions. Approved for CEUs by: ABIH, ACAC, NAHB.

Tuesday, June 21, 2011

Session Title: Lessons Learned from Integration of Healthy Homes into Energy Conservation Programs

Time: Tuesday, 1:00 – 2:30 p.m.

Presentation: Watts and Well-Being: Do Residential Energy Conservation Upgrades Improve Health?

Presenters: Yianice Hernandez (Enterprise Community Partners), Jill Breyse (National Center for Healthy Housing)

There is a growing need to evaluate the human impact of residential energy efficiency programs to better understand the benefits of energy conservation on health. Energy upgrades such as heating system upgrades, air sealing, and other methods can improve building moisture management, pest control, comfort and lighting. These upgrades may in turn improve resident physical and mental health by reducing exposure to mold, asthma triggers, combustion by-products, and pests. However, conventional energy upgrades may also unintentionally damage health if the upgrade process disturbs lead-based paint or does not allow for sufficient fresh air exchange, which may increase risk factors for respiratory ailments or trap contaminants such as radon, formaldehyde, and other volatile organic chemicals. Because upgrades may help or hurt resident health, it is important that energy work be carefully and thoughtfully evaluated for its impact on health.

This presentation will discuss the methods that weatherization programs routinely use to address health and safety hazards, and the limitations of such efforts. This presentation will also discuss innovative methods being adopted by weatherization programs to more fully address health through partnerships with state and local health programs. It will discuss the research gaps in demonstrating a link between energy conservation and improvements to resident health, as well as the impact of weatherization in enhancing the indoor air quality of homes to provide significant health benefits to residents. The Watts to Well-Being study will be presented to

illustrate methods that can be used to evaluate the impact of energy upgrade work on resident health. This study, sponsored by a 2008 HUD Healthy Homes Technical Studies grant, the National Center for Healthy Housing, in partnership with Action for Boston Community Development, Center for Neighborhood Technology and Enterprise seek to characterize the effects of energy upgrades on resident health in approximately 550 low-income dwelling units over a one-year time period in Chicago, Boston and New York City.

Partnering to Build Healthy Communities

Time: Tuesday, 3:00 – 4:00 p.m.

Presented by: Andy Blackmun (Habitat for Humanity Metro Denver), Yianice Hernandez (Enterprise Community Partners)

This session will present information on the neighborhood context, housing design and construction methods used on the project level and discuss the intended health and safety benefits to the homeowners who live there. In addition, the session will cover the significance of access to light rail and other public transportation as well as easy access to neighborhood amenities as a mechanism for improved health and elements that encourage physical activity. It will also cover the process for applying to Enterprise for Green Communities Certification, as well as similarities and differences with other green projects.

Passive House: The Silver Bullet for Affordable, Healthy and Energy-Efficient Homes

Time: Tuesday, 3:00 – 4:00 p.m.

Presented by: Ginger Watkins (Kentucky Habitat for Humanity); Kent Adcock (Habitat for Humanity of Washington DC)

This session will present the experiences of two Habitat for Humanity affiliates that are in the preliminary stages of integrating Passive House design technology into their construction programs. They are: Kentucky Habitat for Humanity – State Support Organization, and Habitat for Humanity of Washington, D.C. Hear from these organizations as they discuss benefits of Passive House Design and how they are going about bringing this cutting-edge building design to affordable housing in their areas of the country.

Session Title: Developing and Using Evidence for Healthy Communities

Time: Tuesday, 3:00 – 4:00 p.m.

Presentation: Housing Interventions at the Neighborhood-Level and Health: Strength of the Existing Evidence and Opportunities for Future Research

Presenter: Ruth Lindberg (National Center for Healthy Housing)

The way that communities are designed and built influences resident health. Efforts to improve neighborhood environments and to maintain and increase the number of affordable housing are critical to ensuring safe, healthy, and affordable housing for all people in the United States. These efforts are particularly important for decreasing health disparities given that people of color disproportionately reside in high-poverty neighborhoods.

This presentation focuses on the results of a systematic review examining existing evidence linking neighborhood-level housing interventions to improvements in health. We assessed 10

programs and policies: rental vouchers; relocation to low-poverty neighborhoods; demolition of distressed public housing and relocation of residents; universal design; crime prevention through environmental design; smart growth and connectivity designs; residential siting away from highways; zoning; density bonuses; and green space around housing. Of the 10 interventions considered, the Housing Choice Voucher Program had sufficient evidence to support implementation or expansion based on its impacts on health according to the review criteria. The other reviewed interventions and policies lacked sufficient evidence for widespread implementation solely based on their health benefits, but demonstrated positive effects on other areas of social, economic, and environmental well-being. This presentation will also identify opportunities for improving research designs to specifically examine health improvements related to neighborhood-level programs and policies from the outset.

This presentation supports the conference track themes by highlighting timely research regarding improvements in health stemming from neighborhood-level housing policies and programs. Additionally, this presentation will help participants understand how to intentionally evaluate the impact of new programs and policies on health in a way that furthers the strength of the evidence linking housing and health.

Session Title: The Connection: Bringing Healthy Homes and Energy Efficiency Together

Time: Tuesday, 3:00 – 5:00 p.m.

Presenters: Lou Witt, Phil Jalbert (U.S. Environmental Protection Agency); Bob Scott, Ameer Bishay, Rebecca Stewart (National Association for State Community Services Programs); Ellen Tohn (Tohn Environmental Strategies); Dana Nute (Belknap Merrimack Community Action)

This session will describe the Department of Energy's Home Weatherization Program and the Vice President's Recovery through Retrofit Initiative, two examples of newly emphasized and funded policy initiatives at the federal level. This session will also provide an overview of the Weatherization Assistance Program, including its service delivery network, goals, metrics, and energy efficiency technologies. Lastly, this session will describe the innovative One Touch healthy homes approach, undertaken in New Hampshire to facilitate the coordinated delivery of local health, housing, and energy efficiency programs to increase actions to address housing-based health problems.

Session Title: Transitioning from a Lead Focus to Healthy Homes – Part 2

Time: Tuesday, 4:15 – 5:15 p.m.

Presentation: The Healthy Kids Collaborative: How a Public-Private Lead Safety Partnership Can Work in Your State

Presented by: Melanie Hudson, Executive Director, Children's Health Forum; Sue Gunderson, Executive Director, CLEARCorps USA; and Barbara Baldwin, Program Coordinator, Healthy Kids Collaborative Rhode Island

The Healthy Kids Collaborative (HKC) is a statewide lead safety initiative in Rhode Island, funded by DuPont, and conducted as a partnership between the Children's Health Forum and the Rhode Island Attorney General with input and guidance from the community. In 2009 alone, 324 Rhode Island children younger than six years old had an elevated blood lead level for the first time. As part of a larger effort to combat this problem, HKC has implemented a comprehensive,

multi-year, multi-million dollar program that includes elements of lead safe education, outreach, training, and remediation of housing units.

HKC partnered with CLEARCorps USA to carry out the remediation of 600 low income housing units in high risk neighborhoods in three years. The targeted neighborhoods were identified with the help of the Brown Medical School. Remediation efforts drew upon best practices taken from CLEARCorps' national experiences. The systems are uncomplicated, but effective, and can be replicated nationally. Data on the types of homes and the demographics of tenants is collected and long term impacts of the remediation on childhood lead poisoning will be analyzed.

While national programs served as the model for much of the work, the goals of the program would not have been met without local partners. CLEARCorps USA and HKC have depended heavily on the expertise of local groups and have hired them as sub-grantees. The state health department and city and state HUD programs have worked cooperatively with the project. Numerous nonprofit organizations have helped with outreach, referrals, and recruitment of participants. Children living in units have been referred for testing and case management. Home visits have been made to help tenants evaluate lead hazard risks. Landlords have agreed to keep housing units affordable upon completion of remediation.

The result has been a program that has gone beyond normal expectations. More than 300 housing units have been remediated to lead safe standards in less than two years on a very limited budget. Up-to-date financial information will be provided in the presentation on per-unit costs and how to keep costs down while working in high risk housing with other healthy housing issues. The presentation will include before and after photographs of homes, outreach materials developed, and GIS mapping for evaluation.

Wednesday, June 22, 2011

Session Title: The ABC's of Integrated Pest Management in Low Income Housing: Allergens, Baits, and Cockroach Mitigation Strategies

Time: Wednesday, 1:30 – 3 p.m.

Presentation: Advancing Safe Pest Management in Mainstream Rental Housing

Presenters: Jane Malone (National Center for Healthy Housing) and Skip Crowe (Greensboro Housing Coalition)

This session will discuss findings from a study assessing factors contributing to the adoption of an effective integrated pest management (IPM) program in low income, private housing. The session will present research on effective IPM protocols for cockroach control, and a review of IPM research funded by the National Institute of Environmental Health Sciences.

Session Title: Building & Implementing a National Advertising Campaign

Time: Wednesday, 1:30-3:00pm

Presenters: TBD, US Environmental Protection Agency; Ad Council; Coalition to End Childhood Lead Poisoning

This session will provide participants with training in effective media outreach and advocacy. A lead poisoning prevention campaign will be used as a case study. Approved for CEUs by: ABIH, ACAC, NAHB.

Session Title: Home Environmental Assessments: Tools for Physicians

Time: Wednesday, 1:30 – 3:00 pm

Presenters: Kevin Kennedy, Jay Portnoy (Children's Mercy Hospitals and Clinics), James Sublett (University of Louisville), Carl Grimes (Healthy Habitats LLC)

Residential Environmental Health Assessments are a new component both primary care physicians and specialists can use to identify many indoor environmental problems in patient homes that are contributing to poor health and the presentation of specific signs and symptoms in the clinical setting. However, it is difficult for physicians to connect these symptoms with a patient's home and challenging to find an environmental professional to work with in identifying home hazards and adequately reporting the findings of a home environmental assessment in a way that assists the health care provider in managing their patient's disease. This panel discussion includes two physicians and two environmental professionals who will describe the different sides of this process and how a health professional can work effectively with a healthy building professional to formulate a hypothesis for guiding the assessment process. The panel will discuss when a home assessment is appropriate, how to identify a qualified home assessment professional, and what should be included in the assessment and the assessment report. The panel will spend some time discussing the AAAAI/ACAAI Joint Task Force Workgroup that is developing a Clinical Practice Parameter for Home Assessments.

Session Title: Weatherization Plus Health: From Workforce to Implementation

Time: Wednesday, 1:30-3:00pm

Presenters: John Davies (Opportunity Council Building Performance Center); John Mello (Baltimore Center for Green Careers, A Civic Works Venture); Ruth Ann Norton (The National Coalition to End Childhood Lead Poisoning); Ken Strong (Baltimore City Housing Department); Debbie Paton (Opportunity Council, Community Services).

Home assessment, education, and project coordination requires a dynamic and collaborative approach to successfully reduce lead hazards, eliminate combustion by-products in the home, mitigate high moisture conditions, and control dust entering the house. This session will discuss the systems needed to ensure and monitor a coordinated approach from eligibility through project completion, using the city of Baltimore as an example of unprecedented local collaboration around green and healthy homes, energy efficiency workforce development, and contractor creation to achieve green job creation and strong healthy communities. Approved for CEUs by: ABIH, ACAC, NAHBBPI, NARI.

Session Title: Building Capacity to Prevent Lead Hazards: Evaluation of Tools and Training that Make a Difference

Time: Wednesday, 4:30 – 5:30 p.m.

Presentation: The Persistence of Lead Hazards: Results from CEHRC

Presenters – Jane Malone (National Center for Healthy Housing) and Sherry Dixon (National Center for Healthy Housing)

The Community Environmental Health Resource Center was created by the Alliance for Healthy Homes to build the capacity of community-based organizations to establish, strengthen, and enforce healthy housing policies by using environmental sampling to support advocacy and achieve correction of hazards and housing condition at the unit-, building- and community-level. These presentations will briefly summarize the results of initial collection of data about hazards in 3000 homes across US cities based on observations using the CEHRC visual survey and dust sampling, discuss results of follow up interviews in 800 homes in nine cities within a year of the initial assessment, and discuss longer term outcomes in 120 homes that were evaluated using the CEHRC visual survey and dust sampling as well as occupant interviews. The types of interventions and other actions taken to address hazards will be reviewed, as well as factors associated with different outcomes.

Session Title: CO - What You Need to Know

Time: Wednesday, 4:30 - 5:30 p.m.

Presenters: Robert Scott and Ameer Bishay (National Association for States Community Services Programs)

This session will provide participants with an understanding of the many issues associated with carbon monoxide problems, its warning signs, detection, and best practices for reducing the potential risks.