

Buildings Committee Meeting
NASEO-ASERTTI 2013 State Energy Outlook Conference
February 6, 2013, 3:00 p.m.-5:00 p.m. ET

Attendees:

1. Ward Lenz, North Carolina Energy Division
2. Ryan Freed, Kansas Energy Division
3. George Phelps, Knauf Insulation
4. Patrick Woodcock, Maine Governor's Energy Office
5. Brian Coble, Advanced Energy
6. Casey Murphy, ICF International
7. Michael Bodaken, National Housing Trust
8. Denise Brems, Utah Office of Energy Development
9. Mark Ginsberg, Ginsberg Green Strategies LLC
10. Sara Telano, Arkansas Energy Office
11. Dave Farnsworth, Regulatory Assistance Project
12. Brian Henderson, NASEO
13. Anthony Roy, Earth Advantage Institute
14. Jay Perkins, Mitsubishi Electric Cooling and Heating
15. Bonnie Rouse, Montana Department of Environmental Quality
16. Sarah Ruen Blanchard, ASERTTI
17. Marianne Meagher, CA Technologies
18. Daniel Saucier, Mississippi Development Authority
19. Jenah Zweig, Southeast Energy Efficiency Alliance
20. Kara Saul Rinaldi, National Home Performance Council
21. Robert Jackson, Michigan Energy Office
22. Allen McFarland, U.S. Energy Information Administration
23. John Winkel, U.S. Department of Energy
24. Stacey Angel, U.S. Environmental Protection Agency
25. Peter Douglas, New York State Energy Research and Development Authority
26. Chuck Clinton, NASEO
27. Michelle Farris, South Dakota Bureau of Administration
28. Mona Mosser, New Jersey Board of Public Utilities
29. Mike Winka, New Jersey Board of Public Utilities
30. Elizabeth Noll, American Gas Association
31. Jennifer Somers, U.S. Department of Energy
32. Brenda Wilbers, Missouri Division of Energy
33. Chuck Guinn, NASEO
34. Jeremy Williams, U.S. Department of Energy
35. David Lee, U.S. Department of Energy
36. Jessie Stratton, Connecticut Department of Energy and Environmental Protection
37. Veronique Marier, District Department of the Environment
38. Greg Guess, Kentucky Department for Energy Development and Independence
39. Leslie Cook, U.S. Environmental Protection Agency
40. Caterina Hatcher, U.S. Environmental Protection Agency
41. Brian Hensley, Tennessee Department of Environment and Conservation
42. Tony Morgan, Florida Office of Energy
43. Andrea Schroer, Georgia Environmental Finance Authority
44. Karen Cramton, New Hampshire Office of Energy and Planning
45. Gregory Coleman, TRC Solutions
46. Nichele Parker, Maryland Energy Administration
47. David St. Jean, Maryland Energy Administration
48. Bill Zwack, SRA International
49. Mark Wolfe, Energy Programs Consortium
50. Frank Murray, New York State Energy Research and Development Authority
51. Andrea Dravo, Building Performance Institute
52. Dave Carey, Harcourt Brown and Carey
53. Cabe Clark, Air-Conditioning, Heating, and Refrigeration Institute
54. Jeff Harris, Alliance to Save Energy
55. Scott Waterman, Alaska Housing Finance Corporation
56. David Terry, NASEO
57. Christopher Wagner, NASEO
58. Mark Wills, ASHRAE
59. Paul Karrer, Building Codes Assistance Project
60. Patricia Stanton, Conservation Services Group
61. Katie Papadimitriou, Schneider Electric
62. Megan Levy, Wisconsin State Energy Office
63. Susan Brown, Wisconsin Division of Energy
64. Deana Dennis, National Electrical Manufacturers Association
65. Christine Donovan, Vermont Energy Investment Corporation
66. Sandy Fazeli, NASEO
67. Kudret Utebay, The Cadmus Group, Inc.

Welcome and Introductions

Buildings Committee Co-Chairs Ward Lenz, North Carolina Energy Division Director, and Ryan Freed, Kansas Energy Division Director opened the meeting by welcoming attendees and facilitating introductions around the room. They provided an overview of the meeting agenda, which would cover residential and multifamily buildings, building energy codes, and ENERGY STAR Portfolio Manager.

Update from DOE's Residential Program – Home Performance, Score Card, and Research

David Lee, Residential Program Supervisor, Buildings Technology Program. U.S. Department of Energy (DOE), presented on DOE's initiatives for residential buildings. He discussed the evolution of residential energy efficiency technology research priorities and described DOE's efforts to integrate these critical research priorities with deployment initiatives through buildings energy codes, ENERGY STAR, the Builders Challenge, and Building America.

Mr. Lee also provided a number of updates on DOE residential programs. Home Performance with ENERGY STAR, now in its tenth year, improved over 75,000 homes in 2012 alone. The Better Buildings Neighborhood Program, coming to a close, will soon be releasing a web-based database and decision tool sharing data and lessons learned from the 41 grantees of the program. The Home Energy Score program has resulted in over 2,000 audits. DOE continues to improve and modify the tool to ensure that the scores it generates are accurate and effective at influencing homeowner decision-making. Finally, Mr. Lee announced the 2013 Solar Decathlon and Energy XPO, which will take place October 3 to 13, 2013 in Irvine California.

Mr. Lee's PowerPoint presentation is available at <http://energyoutlook.naseo.org/presentations/Lee-ResidentialProgramOverview-Summary.pdf>.

DOE Building Energy Codes Program: 2013 Priorities and Resources

Jeremy Williams, Project Manager at the U.S. Department of Energy (DOE), provided an update on DOE's Building Energy Codes Program (BECP). BECP's priorities with respect to the model code development process are to decrease barriers to code adoption and compliance and to explore performance-based and alternative compliance paths. BECP is also investing significant time in improving levels of verified code compliance, through its tools and compliance resources. Mr. Williams encouraged states to reach out to BECP and other organizations, such as NASEO or the Building Energy Codes Assistance Project, with any codes questions or requests for technical assistance.

Mr. Williams's PowerPoint presentation is available at <http://energyoutlook.naseo.org/presentations/Williams-DOE-Update-and-National-Collaborative.pdf>.

Challenges and Opportunities in the Multifamily Buildings Sector

Moderated by Brian Henderson, NASEO Southeast Regional Coordinator, this roundtable discussion highlighted state and national efforts to improve the energy performance of multifamily residential buildings. The roundtable panelists included Mark Wolfe, Executive Director of the Energy Programs Consortium (EPC); Michael Bodaken, Executive Director of the National Housing Trust (NHT); and Ward Lenz, North Carolina Energy Division Director.

Mr. Henderson opened the roundtable with a description of NASEO's new project in multifamily energy efficiency. NASEO is convening State Energy Offices and Housing Finance Agencies for a series of discussions designed to identify areas of collaboration that would strengthen existing multifamily energy

efficiency programs in the Mid-Atlantic and Southeast regions. Mr. Henderson and Sandy Fazeli, NASEO Buildings Program Manager, are the main points of contact for this project. A copy of Mr. Henderson's opening presentation is available at <http://energyoutlook.naseo.org/presentations/Henderson-Fazeli-Multifamily.pdf>.

During the panel discussion, Mr. Wolfe noted that there is a large opportunity to combine water and energy savings measures to maximize the rate of return for multifamily upgrades. Outside of the savings opportunities, however, he also addressed the fact that generating demand for multifamily efficiency projects is a major challenge which EPC is engaging stakeholders to address and overcome.

Mr. Bodaken addressed the disproportionately small amount of money going towards multifamily energy efficiency in the U.S. While about one in five buildings in the U.S. is a multifamily structure, this sector receives only a seven percent share of utility program funds. He added that NHT is particularly interested in working with State Energy Offices because of their established relationships with utilities and their expertise in implementing energy efficiency projects.

Mr. Lenz next discussed North Carolina's approach to multifamily through its Weatherization Multifamily Pilot Program. This pilot gave the Energy Office an opportunity to apply weatherization funds not only to single-family detached homes (as is normally the case in many states), but also to the multifamily sector. The pilot has weatherized 800 units and will be ending soon to allow the Energy Office to analyze its impact and results.

Mr. Henderson opened the discussion to the other roundtable attendees. Representatives from the State Energy Offices in Wisconsin, Maryland, Michigan, and New Jersey discussed the multifamily programs that their offices are developing, operating, or have operated. Additionally, representatives from the Environmental Protection Agency (EPA) provided more detail on ENERGY STAR resources for multifamily buildings, including the Portfolio Manager Platform for Multifamily Buildings.

Overview of ENERGY STAR Portfolio Manager Transitions and Training Opportunities in 2013

Leslie Cook, ENERGY STAR Public Sector Manager at EPA, next gave an update on EPA's Portfolio Manager tool for benchmarking energy use. EPA is currently upgrading Portfolio Manager in order to improve its usability and integrate new tracking and reporting features. An upgraded version was released for testing in September 2012, and the new system will launch in June 2013. Leslie also presented findings from the DataTrends series, which examines energy and water benchmarking data from the thousands of buildings in Portfolio Manager.

Leslie's presentation is available at <http://energyoutlook.naseo.org/presentations/Cook-Upgrade-Data-Trends.pdf>.

Update on NASEO's Buildings Program and Priorities for 2013

Due to time constraints, Ms. Fazeli and Chris Wagner, NASEO Buildings Project Manager, were unable to deliver their presentation providing an update on NASEO's Buildings Committee projects and activities. They encouraged meeting attendees to speak with them over the course of the conference to find out more about NASEO's Buildings Activities. Additionally, they proposed to give their presentation during the next Committee call, scheduled for April 2013.

Action Items

1. The committee co-chairs encouraged Buildings Committee members to share ideas and topics of interest with NASEO Buildings staff, Ms. Fazeli and Mr. Wagner. Future Buildings Committee calls and meetings will include time built into the agenda for committee members to raise ideas for future meetings and solicit feedback.
2. Ms. Fazeli and Mr. Wagner will give a presentation on NASEO's Buildings activities during the next Buildings Committee call, scheduled for April 2013.
3. Ms. Fazeli and Brian Henderson will follow up with State Energy Offices individually to gauge their interest in participating in the multifamily project.