

## Sheila J. Hayter, P.E.

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Sheila Hayter is the Project Assessment and Development Section Manager within the Integrated Applications Center (IAC) of the U.S. Department of Energy's (DOE) National Renewable Energy Laboratory (NREL) in Golden, Colorado. In this capacity, she leads a team of technical and policy experts who support federal, state, and local entities on energy efficiency (EE) and renewable energy (RE) topics with the goal to make significant reductions in non-renewable energy consumption through energy efficiency and increased use of RE technologies. Sheila's past activities include leading DOE's Solar America Cities technical assistance activities for Boston and New York City, with the goal to assist these municipalities incorporate strategies into policies, procedures, and specific projects that will result in widespread application of solar technologies. Since joining NREL in 1992, Sheila's work has included serving on the Organizing Committee and leading the subjective judging component of the 2002, 2005, and 2007 DOE Solar Decathlons, managing sustainable buildings activities funded by the DOE Federal Energy Management Program, managing the Photovoltaics (PV) for Buildings activities funded by the DOE Solar Program, evaluating building performance during the design and monitoring phases to support the DOE High Performance Buildings Program, and writing papers, giving conference presentations, and developing/giving training related to high-performance buildings. Sheila is registered professional engineer in the State of Colorado.

Sheila served on the ASHRAE Board of Directors as a vice president (2009 – 2011) and also as a Director at Large (2005 – 2008). She chaired the Publications and Education Council, has served on Technology Council, Finance Committee, Planning Committee Society Rules Committee, Research Activities Committee (chair 2004 – 2005), Continuing Education Committee (chair 1998 – 1999), and ASHRAE Program Committee. She chaired the Greening ASHRAE Meetings and Exposition presidential ad hoc committee (2006 – 2008), and was a member of the Building Energy Labeling, ASHRAE Logo, Globalization Roadmap, and Strategic Plan IV ad hoc committees as well as served as a member of the Advance Energy Design Guide Steering Committee. In addition, Sheila has served in leadership roles of many technical committees. Sheila received a 2007 NREL Staff Award for outstanding performance, 2007 Professional Progress Award from Kansas State University's College of Engineering, and an ASHRAE Technology Award in 1999. She received the ASHRAE Distinguished Service Award in 2001 and the Exceptional Service Award in 2011 and was named an ASHRAE Fellow in 2008.

Her topic for our January meeting will be:

### Integrating Renewable Energy Systems into Buildings

This presentation introduces technical opportunities, means, and methods for incorporating renewable energy (RE) technologies into building designs and operations. The speaker will give an overview of RE resources and available technologies used successfully in the USA to offset building electrical and thermal energy loads. Methods for applying these technologies in buildings and the role of building energy efficiency in successful RE projects will be addressed.