



## Achieving Zero Energy: Advanced Energy Design Guide for K-12 Schools

Tuesday, April 10, 2018 | 2:00pm–3:30pm EDT | [Register Now](#)

*Earn 1.5 AIA HSW LUs with this intermediate-level course (#AIACES041018)*

The [Advanced Energy Design Guide](#) has long been an important tool helping design professionals meet all of an owner's energy performance requirements and promote building energy efficiency in many types of projects. The series began with the 30% Guides offering 30% energy savings compared to buildings that meet the minimum energy requirements of ASHRAE/IESNA/ANSI Standard 90.1-1999. The subsequent 50% Guides were created to achieve 50% energy savings compared to Standard 90.1-2004.

Who's ready to take the next step? The brand new **Achieving Zero Energy** series provides a cost effective approach to achieve advanced levels of energy savings. The Guides offer contractors and designers the tools needed for achieving a Zero Energy Building that, on an annual basis, draws from outside resources equal or less energy than it provides using on-site renewable energy sources. This webinar will focus on the first **"Zero Energy Design Guide"** for **K-12 school buildings**, how it was created, and how designers can implement it into their practice. This Guide been developed through the collaboration of ASHRAE, the American Institute of Architects (AIA), the Illuminating Engineering Society (IES), and the U.S. Green Building Council (USGBC), with support from the Department of Energy (DOE). The partners have made all of the Advanced Energy Design Guides [available for download](#) at no charge.

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| <p><b>L<br/>O<br/>B<br/>J<br/>E<br/>C<br/>T<br/>I<br/>V<br/>E<br/>S</b></p> <ol style="list-style-type: none"> <li>Understand the entire scope of a zero energy K-12 school project, from project visioning through post occupancy.</li> <li>Create measurable energy goals that are readily achievable now.</li> <li>Develop client and stakeholder buy-in of the zero energy goals</li> </ol> | <p>through integration of zero energy performance with the educational mission of the school.</p> <ol style="list-style-type: none"> <li>Use the AEDG as a resource for successful, cost effective zero energy K-12 projects in all climates, employing an integrated design process informed by building simulation tools.</li> </ol> |
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### Sylvia Wallis AIA, LEED AP BD+C, CPHC – Associate, HED Design

A practicing architect for over 30 years, Sylvia Wallis brings expertise in creating sustainable interventions that enhance the cultural identity of each place. As a design architect and sustainability specialist with HED since 2005, she has focused her work on high performance and net zero strategies for civic, cultural, and educational projects, integrating a range of building simulation applications into the design process. A Certified Passive House Consultant and a former member of the Board of Directors of Passive House California, Sylvia has consulted on various residential and institutional passive house projects.



### Daniel H. Nall, PE, FAIA, FASHRAE, LEED Fellow – Vice President, Syska Hennessy Group

Dan Nall is the Regional Director of High Performance Solutions at Syska Hennessy Group, a registered architect, a professional engineer, an ASHRAE Fellow, a Fellow of the AIA, a LEED Fellow, an ASHRAE certified Building Energy Modeling Professional, a certified High Performance Building Design Professional and a Certified Passive House Consultant. He is vice chair of the ACEC NYC Chapter Energy Code Committee and a member of the NYC Buildings Sustainability Board. He was an author of eight of ASHRAE's twelve Advanced Energy Design Guides (AEDG), and is the AIA Representative on the AEDG Steering Committee.



### Paul Torcellini – Principal Engineer, Commercial Buildings Research, National Renewable Energy Laboratory

Paul Torcellini is a Principal Engineer for Commercial Buildings Research at the National Renewable Energy Laboratory (NREL) and a faculty member at Eastern Connecticut State University. An author of more than 50 papers, Paul is a key contributor to the development of the Advanced Energy Design Guides including chairing the technical committee that produced the Zero Energy Design Guide for K-12 Schools.



**Moderator:** [Paul Karrer](#) – Manager, AIA Building Codes Policy | [codes@aia.org](mailto:codes@aia.org) | (202) 626-2562

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