

February 8 - 9, 2012 • Saratoga Springs, NY

# New York ENERGY STAR® for Homes Conference



Sponsored by:



## More Business. Less Energy. Now!

*Improve your building methods, business, and bottom line.*

### Your two-day conference registration includes:

- Get the latest updates on NYSEERDA's Home Performance with ENERGY STAR® and ENERGY STAR® Homes programs
- Network and expand your business and bottom line
- Connect with other industries and grow your business
- Discover the trade show's innovative products and services
- Receive Continuing Education Units from: AIA, NAHB, NARI, NATE, RESNET, ASHI, BPI, & InterNACHI
- Gain proven building science know-how to lower your clients' energy costs
- Distinguish yourself as a dedicated member of the green workforce

**For more information on conference registration, visit**  
**[www.affordablecomfort.org/ny](http://www.affordablecomfort.org/ny)**  
**or contact Janet Johnson at 800-344-4866 ext.201.**

### This ENERGY STAR® conference is recommended for:

- New York home builders
- Contractors
- Realtors
- Auditors
- Architects and Designers
- Developers
- Lenders
- Appraisers
- Inspectors
- Remodelers
- HERS raters
- Home performance contractors
- Renewable Energy Professionals
- Code officials
- Housing officials
- Students
- Industry experts
- Weatherization staff
- Utilities

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**AGENDA — Wednesday, February 8**

7:00 AM – 8:30 AM

REGISTRATION, BREAKFAST & EXHIBITS

8:30 AM – 10:00 AM

Opening Plenary — Remarks: **Karen Hamilton**, Director of Residential Energy Services, NYSERDA  
**Amy Fazio**, Executive Director, ACI

10:00 AM – 10:30 AM

BREAK

TRACK TITLES	Essentials	Advanced Technical	Renewables: Programs	HVAC	Boom Your Business	Programs & Credentialing	Mobile Lab
<b>Breakout 1</b> 10:30 AM – Noon	<b>Combustion 101</b> <i>Bill Spohn</i>	<b>Densepack: Quality Assurance</b> <i>Jim Cleveland, +</i>	<b>Overview of NYSERDA's Solar Thermal &amp; Photovoltaic Programs</b> <i>Marci Brunner, Frank Mace, Diane Stacey</i>	<b>Mechanical Ventilation &amp; ASHRAE 62.2</b> <i>Courtney Moriarta</i>	<b>Marketing to Win</b> <i>Blaine Fox, Aaron Goldfeder, +</i>	<b>BPI Standards &amp; Certification Update</b> <i>Bruce DeMaine</i>	<b>Intro to Thermal Imaging</b> <i>Larry Armanda, A. Tamasin Sterner</i>

Noon – 1:30 PM

LUNCH & EXHIBITS

<b>Breakout 2</b> 1:30 PM – 3:00 PM	<b>Air Leakage Testing</b> <i>Robert Grindrod</i>	<b>When Codes &amp; Building Science Conflict</b> <i>Mike DeWein</i>	<b>How to Become a Photovoltaic or Solar Thermal Installer under NYSERDA's programs</b> <i>Marci Brunner, Frank Mace</i>	<b>Diagnosing Airflow Problems: Part I*</b> <i>Jack Rise</i>	<b>Transitioning to Home Performance Contracting</b> <i>Dan Kartzman, Dick Kornbluth</i>	<b>New BPI Standard for QA Field Inspections of Home Performance Work: Overview &amp; Pilot Results</b> <i>Brian Atchinson, Casey Murphy, +</i>	<b>Combustion Testing (including CAZ depressurization)</b> <i>Steven Dyba, A. Tamasin Sterner</i>
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3:00 PM – 3:30 PM

BREAK

<b>Breakout 3</b> 3:30 PM – 5:00 PM	<b>Moisture &amp; IAQ Issues</b> <i>Terry Brennan</i>	<b>A Protocol for Advanced Air Sealing</b> <i>Bob Kahabka</i>	<b>QA Field Inspection of PV/ST Solar Installations: Procedures &amp; Findings</b> <i>Patrick O'Shei, Michael Levitz, +</i>	<b>Diagnosing Airflow Problems: Part II**</b> <i>Jack Rise</i>	<b>Low Rise Multifamily: A New Opportunity for Builders &amp; Home Performance Contractors</b> <i>Mike Burke</i>	<b>The Contractors Guide to Navigating &amp; Leveraging NYSERDA Programs</b> <i>TBD</i>	<b>Introduction to Combustion Heating Systems: Identifying Components (Oil &amp; Gas)</b> <i>Larry Armanda, Charles Kern</i>
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5:00 PM – 7:00 PM

EXHIBITOR RECEPTION

\* Topics for part I include: the top two airflow problems in the HVAC industry, the fan laws, friction rate or static pressure?, fitting effective length

\*\* Topics for part II include: flexible duct, how to choose a blower, airflow basics, diagnostics

+ additional presenter(s) may be added



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**AGENDA – Thursday, February 9**

7:00 AM – 8:30 AM

**BREAKFAST & EXHIBITS**

TRACK TITLES	Essentials	Advanced Technical	Renewables: Technical	HVAC	Boom Your Business	Programs & Credentialing	Mobile Lab
<b>Breakout 4</b> 8:30 AM – 10:00 AM	<b>Baseload Basics</b> <i>Nate Yehle</i>	<b>Advanced Framing: Better, Faster &amp; Cheaper</b> <i>Mark Hutchins</i>	<b>Design &amp; Installation of Residential Solar Thermal Systems</b> <i>Peter Skinner</i>	<b>Hydronic Heating Optimized for Retrofit Applications</b> <i>John Siegenthaler</i>	<b>How Not to Get Sued</b> <i>Dave Beaulieu, Kyle Marie Doody</i>	<b>ENERGY STAR V3 HVAC Quality Checklist</b> <i>Rob Sherwood</i>	<b>Air Leakage Testing (including Zone testing)</b> <i>Steven Dyba, A. Tamasin Sterner</i>

10:00 AM – 10:30 AM

**BREAK**

<b>Breakout 5</b> 10:30 AM – Noon	<b>Infrared Camera Pricing &amp; Performance Considerations</b> <i>Matt Schwoegler</i>	<b>Net-Zero Energy Homes: The Future of Homebuilding, Today</b> <i>Anthony Aebi, Larry LaDuca, Angelo Natale, Pasquale Strocchia</i>	<b>Photovoltaic Installation &amp; Performance</b> <i>Betsy Ferris Wyman</i>	<b>Solar Thermal: Combisystems for Space &amp; Water</b> <i>John Siegenthaler</i>	<b>Leveraging Today's Clean Energy Workforce</b> <i>Tony Joseph, Rebecca Sterling</i>	<b>NYSERDA QA System &amp; Contractor Evaluation: Overview and Future</b> <i>Patrick O'Shei, Andrew Van Gorder</i>	<b>Exhaust Fan Flow Measurement</b> <i>Larry Armanda, Charles Kern</i>
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Noon – 1:30 PM

**LUNCH & EXHIBITS**

<b>Breakout 6</b> 1:30 PM – 3:00 PM	<b>A Building Analyst's Toolbox</b> <i>Paul Raymer</i>	<b>Building Science Brainteasers – Unusual Problems &amp; Solutions from Home Performance Projects</b> <i>Dave Abrey, Michelle Knaszak</i>	<b>All About Geothermal</b> <i>Jack DiEnna</i>	<b>Minisplit Applications</b> <i>Dave Hazel</i>	<b>Grow Your Business by Incorporating Advanced Technologies &amp; Renewables</b> <i>Aaron Goldfeder (moderator) Panelists TBD</i>	<b>Version 3 Ins &amp; Outs</b> <i>Mike Burke, Mark Hutchins, Rob Sherwood</i>	<b>BPI Field Exam Practice</b> <i>Larry Armanda, A. Tamasin Sterner</i>
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3:00 PM – 4:00 PM

**CLOSING SESSION – Looking Forward: The role emerging technologies will play in NYSERDA's residential programs**

**Who Should Attend?**

Builders, contractors, home energy raters, remodelers, weatherization crews, utilities staff, program administrators, HVAC specialists, renewable energy professionals, and home performance professionals.

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## THANKS TO OUR SPONSORS

### Sustaining Sponsors



### Host Sponsor



### Silver Sponsors

Monroe Infrared Technology

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### Media Sponsors



### Conference Pricing

\$375 for registration by Jan. 11

\$475 for registration after Jan. 11

\$300 for a one-day registration

\$1200 for an exhibit booth

Please contact **Chris Docchio** at 412-424-0046 or [cdocchio@affordablecomfort.org](mailto:cdocchio@affordablecomfort.org) if you are interested in exhibiting.

Please contact **Jim Browne** at 412-424-0094 or [jbrowne@affordablecomfort.org](mailto:jbrowne@affordablecomfort.org) if you are interested in a sponsorship.

### Hotel Information

The Saratoga Hilton & Saratoga Springs City Center  
534 Broadway  
Saratoga Springs, NY 12866

### Reservations

Click here to make hotel reservations online, or call 888-866-3596. Mention the **ACI New York ENERGY STAR® for Homes Conference** to receive the group rate. The group rate starts at \$109, plus applicable tax & fees at time of check-in. Hotel Block expires Friday, January 12, 2011, or until sold out.

\*\*Complimentary in-room Internet in all group guests rooms

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## New York ENERGY STAR® for Homes Conference



### Featured Presenters



#### **Terry Brennan**

Twenty-five years ago, Terry Brennan was doing pretty much what he's doing now: researching ways to improve indoor air quality in our built environment, and fixing buildings to make them safer, more comfortable, and more energy efficient with his company, Camroden Associates in Westmoreland, N.Y. But the fact that his business has since expanded from almost entirely single-family residential work to include clients such as the U.S. Army Corps of Engineers is a testament to how far the industry has come. He has been one of those people out in the field getting things done, but not without finding time to be one of the industry's leading thinkers. He has worked with the EPA, Lawrence Berkeley National Laboratory, the State of New York, and the U.S. Army Corps of Engineers.



#### **Jack Rise, CMS**

Jack Rise, CMS, is a Certificate Member Specialist of the Refrigeration Service Engineers Society. He has extensive industry experience having worked as a contractor for 18 years, as a distributor of HVAC products for 13 years and for a major HVAC manufacturer for 5 years. He was an RSES instructor for 10 years, currently runs training sessions for NATE and EPA/CFC Section 608 Certifications and ACCA/ANSI Standard 5 (HVAC Quality Installation Standard). Jack travels extensively around the country conducting seminars on residential and commercial load calculations, system design and on the use of HVAC computer based software. His company HVAC Technical Training, is located in Tampa, Florida



#### **Robert Kahabka**

Robert has over 30 years experience in building construction, energy analysis, air quality analysis and remediation services. He has 20 years experience in adult education, including classroom and field training on building construction, energy efficiency and indoor air quality. He has served as a local Weatherization manager and a Technical Representative and Training Specialist for New York State Division of Housing and Community Renewal. His current business, Northern Comfort Diagnostics, provides accredited training, consulting services and quality assurance for The ENERGY STAR® Homes Program and Home Performance Programs of New York State, Pennsylvania and New England.



#### **John Siegenthaler, P.E.**

John Siegenthaler, P.E., is a mechanical engineering graduate of Rensselaer Polytechnic Institute, a licensed professional engineer, and Professor Emeritus of Engineering Technology at Mohawk Valley Community College. "Siggy" has over 32 years of experience in designing modern hydronic heating systems. He is a hall-of-fame member of the Radiant Panel Association, and a presenter at national and international conferences on hydronic and radiant heating. John is principal of Appropriate Designs – a consulting engineering firm in Holland Patent, NY. The 3rd edition of his textbook – *Modern Hydronic Heating* will be released in January 2011. John currently writes about hydronic heating and solar thermal system design for several trade publications including: Plumbing & Mechanical, PM Engineer, Supply House Times, and Heating, Plumbing, and Air Conditioning (Canada).

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### About ACI

ACI is a national nonprofit organization that has become the go-to resource for information, education and best practices in an area of residential building construction that has become known as Home Performance and Weatherization. ACI has led the movement for a sustainable, energy efficient approach to home building and retrofitting by partnering with key leaders focused on advancing this industry. Through national and regional conferences and trade shows, ACI connects the professional contractors and technicians on the front lines with the newest building science information from leading industry experts. It is the ACI vision that every family has a home that is energy efficient, durable, comfortable, healthy, and safe, and every community has access to skilled home performance services and professionals.

For more information about an ACI event, or to host an event in your area, visit [www.affordablecomfort.org](http://www.affordablecomfort.org) or call (412) 424-0070.

### Continuing Education Units

ACI is a continuing education service provider, and many sessions offer credits for advancing attendees' professional careers through educational opportunities from allied organizations.

Earn CEUs from the following providers at this conference.





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## COACH Mobile Training and Testing Lab – *New This Year!*

The conference will feature the COACH Mobile Training and Testing Lab, a recycled motor home that will demonstrate home performance and building diagnostics. COACH will teach energy auditors, inspectors, and retrofitters how furnaces work, including identifying dangerous conditions, safety controls, proper venting, and proper health and safety testing protocols to meet rigorous federal requirements for low-income weatherization programs. In addition, it will be used to train participants on how to do air leakage testing on houses, proper and safe house ventilation, thermal imaging with infrared cameras, and safe attic air sealing.



## Two-Day Trade Show

As the home performance industry continues to evolve, businesses are required to meet many new demands. The New York ENERGY STAR® for Homes Conference offers you the opportunity to interact with high quality, highly valued, highly targeted products and services. If your business is part of this growing industry, you belong at this ACI trade show.

## Participating Exhibitors

Building Performance Institute Inc  
Conservation Services Group  
Energy Federation Inc  
Mitsubishi  
Monroe Infrared Technology Inc

NYSERDA  
Snell Infrared  
The Energy Conservatory  
Venmar Ventilation Inc  
Vent Cap Systems

## Trade Show Hours

### Tuesday, February 7

Exhibitor Set Up: Noon – 5:00 PM

### Wednesday, February 8

7:00 AM – 8:30 AM  
10:00 AM – 10:30 AM  
NOON – 1:30 PM  
3:00 PM – 3:30 PM  
5:00 PM – 7:00 PM

### Thursday, February 9

7:00 AM – 8:30 AM  
10:00 AM – 10:30 AM  
NOON – 1:30 PM  
Exhibitor breakdown starts at  
1:30 PM

\*Hours subject to change

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