

JOIN US
October 15, 2015, Manhattan
TKP NY Conference Center
109 W. 39th Street



BUILDINGENERGY

NEW YORK CITY

CROSS-DISCIPLINARY CONFERENCE + TRADESHOW
FOR THE HIGH PERFORMANCE BUILDING + SUSTAINABLE
ENERGY INDUSTRIES

Brought to you by the
NORTHEAST SUSTAINABLE ENERGY ASSOCIATION

CONFERENCE PROGRAM

BIG CITY BIG CONVERSATIONS



Welcome from the Conference Co-Chairs



BuildingEnergy NYC 2015: Big City, Big Conversations.

New York is one of the biggest cities in the world. We have some of the most challenging energy problems and some of the best energy professionals to provide the solutions. We need times and places to compare notes and sharpen our tools for the future.

BuildingEnergy NYC is the most rapidly growing, cross-disciplinary conference that offers practical, hands-on solutions to the financial, environmental, legal, and maintenance challenges facing NYC building owners and

practitioners in every neighborhood and borough. Conceived in 2012, and nearly doubling in size yearly, BuildingEnergy NYC is a conference where members of New York's building industry come together to learn from each other how to make the buildings of this great city even better.

In the American Council for an Energy Efficient Economy (ACEEE) 2015 Energy Efficiency scores for cities, New York City scored #2, nationally. The study indicated that there was need for improvement in transportation and energy and utility benefits programs. Let's get to work.

- What are we doing here in New York City to ensure its infrastructure, buildings, and policies are being sustained for future generations?
- How do we ensure efficient operation? How do we know when things are working?
- Who's operating, retrofitting, building, and financing buildings well, and how do they measure success?
- How can we learn from experts and continue to innovate our industry?
- What products and services are available to achieve our goals?

At BuildingEnergy NYC this year, we're excited to tackle those questions, start dialogues, and bring together the leaders in the industry to guide us. We are excited to welcome the attendees, speakers, and exhibitors to learn from each other, swap stories, and network to build connections. A final special acknowledgement of NESEA's valued sponsors, especially our lead sponsor, Con Edison, and all our sponsoring partners: we appreciate all you've done to make this event possible.

Thanks for supporting us and we hope you have a great conference and tradeshow.

Samantha Schoenberger,
Director, Housing Development & Sustainability
Selfhelp Community Services

John Skipper,
Business Development
Con Edison Energy Efficiency Programs

BuildingEnergy NYC 2015 is brought to you by the Northeast Sustainable Energy Association.



The Northeast Sustainable Energy Association (NESEA) is the region's leading organization of professionals working in sustainable energy, whole systems thinking, and clean technology. We advance the adoption of sustainable energy practices in the built environment through our annual BuildingEnergy conferences and trade shows, online Masters Series, Pro Tours, Bottom Lines business network, and more. Learn more and join us at www.nesea.org.

Schedule for October 15, 2015

LOCATION: TKP CONFERENCE CENTER, 109 W. 39TH STREET, MANHATTAN



7:30-8:30AM	Registration and Exhibit Hall Open
8:30-9:00AM	Welcome to BE NYC (Exhibit Hall)
9:00-10:30AM	Session 1
10:30-11:00AM	Break
11:00AM-12:30PM	Session 2
12:30-1:30PM	Lunch in the Exhibit Hall
1:30-3:00PM	Session 3
3:00-3:30PM	Break
3:30-5:00PM	Session 4
5:00-6:00PM	Networking Reception in the Exhibit Hall

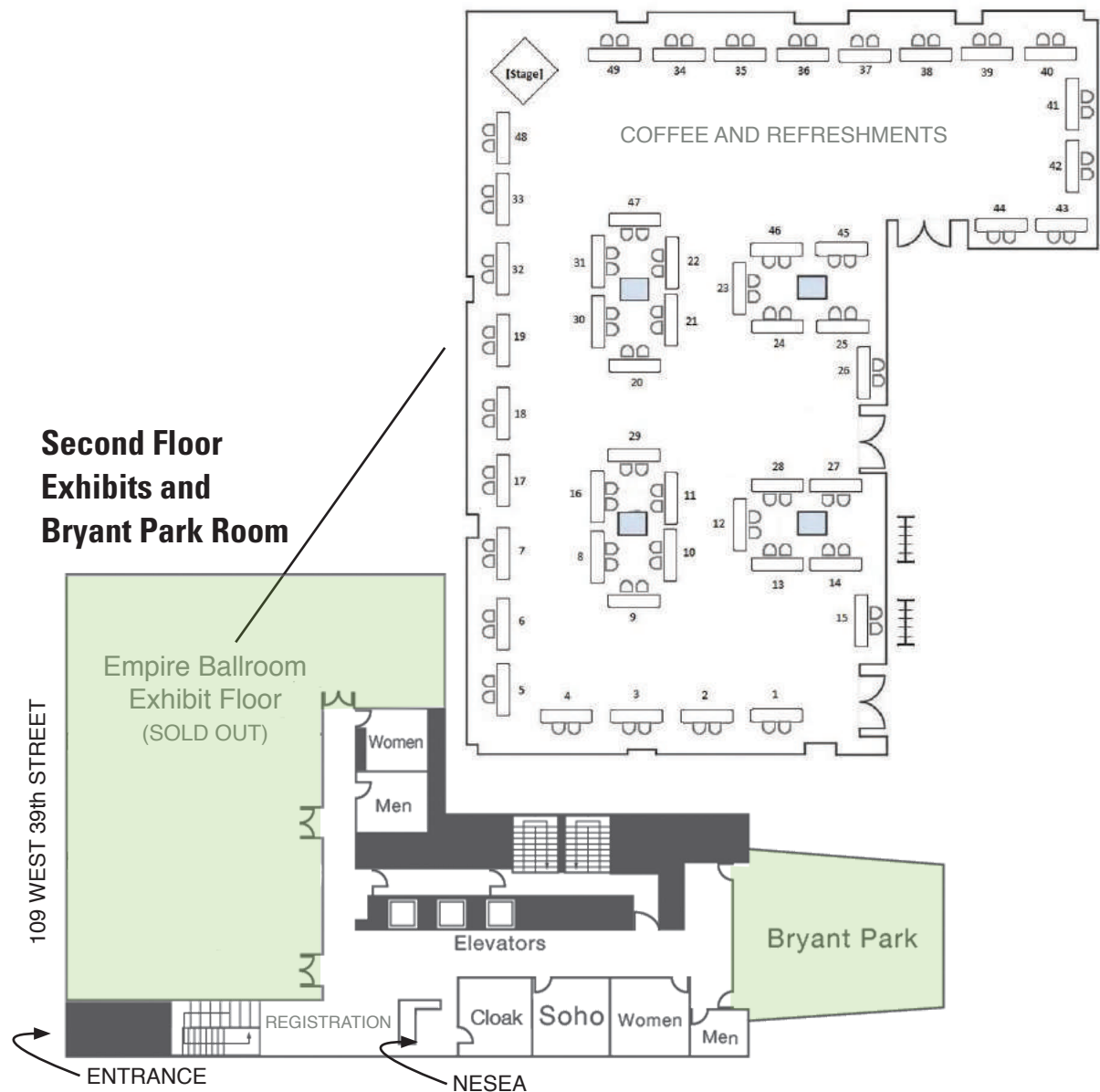
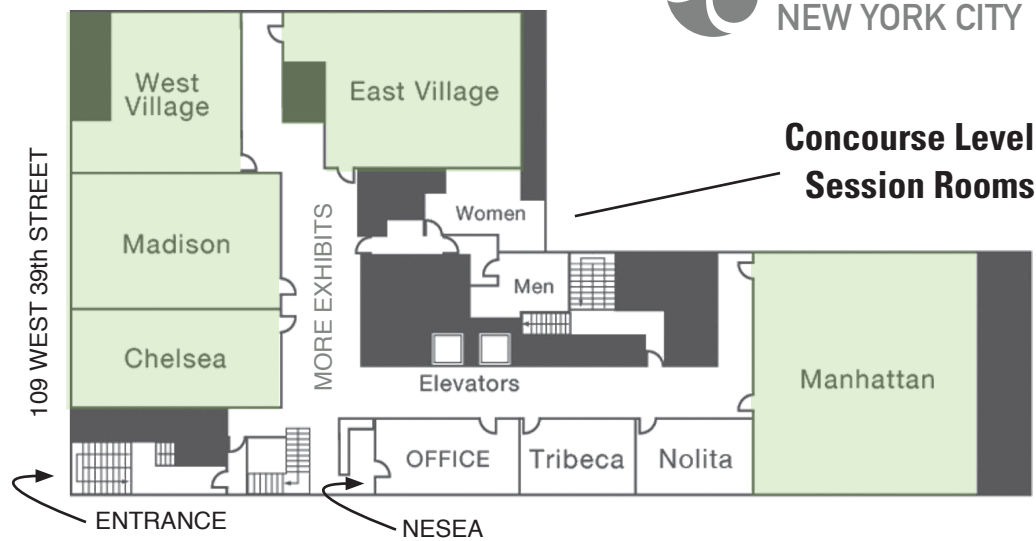
TRACKS AND TRACK CHAIRS

Track 1: Multifamily Laura Humphrey, NYSEDA; Andrea Mancino, Bright Power	Track 2: Commercial and Institutional Lauren Brust, Steven Winter Associates; Lloyd Kass, New York Power Authority	Track 3: The Changing Energy Landscape Elizabeth Derry, The Community Preservation Corp.; Patrick Love, New York Mayor's Office
Track 4: What's Trending: Systems Fatou Jabbie, USL Technology Consulting; F.L. Andrew Padian, PadianNYC	Track 5: What's Working: Solutions F.L. Andrew Padian, PadianNYC ; Leia Simms, Enterprise Community Partners	Track 6: What Lies Beneath: Infrastructure F.L. Andrew Padian, PadianNYC; Samantha Schoenberger, Selfhelp Community Services



Put the conference in your pocket. Get the app through Guidebook. Build your schedule, rate speakers, share pictures, business cards and more. guidebook.com/g/BENYC15

Site Map



Old Tools, New Tricks: Creative Solutions for Common Energy Problems	Location: Manhattan Track 1: Multifamily
<i>Speakers: Barry Stephens- Zehnder America; Mark Pando- Bright Power; FL Andrew Padian- Padian NYC; Thomas Holmes- Remediation Specialists, Inc.; Daniel Rieber- Northern Manhattan Improvement Corporation; Henry Gifford- Chris Benedict, R.A.; Tom Sahagian- Independant Energy Efficiency Consultant</i> Many of us think we know the story when it comes to fixing and optimizing energy systems in NYC buildings. It's easy to fall back on industry-accepted measures and methods to energy efficiency. But do they actually work as well as we think? What new approaches are out there? This rapid fire presentation features innovative thinkers showcasing unorthodox ways to fix common issues in typical multifamily buildings. Each speaker will have 20 slides displayed for 20 seconds each... Ready, set, go!	
Making Money by Saving Energy	Location: East Village Track 2: Commercial & Institutional
<i>Speakers: Jon Hettinger- Tishman Speyer's Design & Construction Group; David Pospisil- Con Edison; Adam Early, Goldman Sachs</i> Do all major capital improvements result in better buildings with lower operating costs, better energy management strategies and improved data collection? This panel will discuss the changes made throughout their portfolios to improve NOI, reduce maintenance costs and improve operations. It will also present the challenges associated with planning for new technologies and staff training so savings can be realized.	
Active Design and Healthy Housing	Location: Bryant Park Track 3: The Changing Energy Landscape
<i>Speakers: Elizabeth Garland- Icahn School of Medicine at Mount Sinai; Joanna Frank- Center for Active Design; Les Bluestone, Blue Sea Development Company</i> Active Design is an evidence-based approach to the development of buildings and communities that uses architecture and urban planning to make physical activity and healthy foods more accessible. Affordable housing represents an ideal target for incorporating these strategies, since lower-income communities are disproportionately affected by obesity and chronic disease, and often have less access to health-supporting resources. This multi-disciplinary panel will share how Active Design supports healthier housing for people of all incomes and abilities.	
Microgrid Solutions: From Building to Region	Location: Madison Track 4: What's Trending: Systems
<i>Speakers: Randolph Horner- Hudson Valley Business Journal; Chris Lotspeich- Celtic Energy Inc.; Micah Kotch- New York State Energy Research and Development Authority (NYSERDA)</i> Microgrids are sophisticated backup power systems, both energy supply and demand, to strengthen overall grid resilience. Ranging from single buildings, to neighborhoods, and then to regions, they are able to operate if the main grid is down. This session will highlight a bold NY statewide initiative encouraging microgrid development, and describe both a citywide and regional example of proposed microgrids, their functions, and the institutional concerns to get these systems running.	
Benefits of Cx and RCx: Compliant Buildings, Healthy People	Location: West Village Track 5: What's Working: Solutions
<i>Speakers: Gina Bocra- NYC Department of Buildings; Wesley Stanhope- CLEAResult; Maureen Mahle- Steven Winter Associates, Inc.</i> This discussion will examine multifamily and commercial commissioning and retro-commissioning projects with an emphasis on: code compliance; increasing energy savings; preventing building system failures; resolving operations and maintenance issues; and improving indoor environmental quality (IAQ). The session presentations will describe some of the most common aspects of buildings such as ventilation, and some the lesser-known measures like user tools and resources available in the marketplace to start commissioning buildings for compliance, efficiency, and health.	
Cities: How are Our Neighbors Doing?	Location: Chelsea Track 6: What Lies Beneath: Infrastructure
<i>Speakers: Bradford Tito- New York State Energy Research and Development Authority (NYSERDA); Kate Lawrence- Department of Development and Planning, City of Albany; Richard Freeh- Mayor's Office of Sustainability, City of Philadelphia; Melissa Wright- Natural Resources Defense Council (NRDC)</i> Cities play critical roles in achieving our climate goals, and proactive approaches toward energy efficiency and clean energy drive economic development, revitalization, and local job growth. This session will provide a detailed look at the efficiency and clean energy plans in some of NYC's neighboring cities – Philadelphia, Yonkers, and Albany– and discuss lessons learned from efforts to advance energy solutions. Such participation in city-to-city networks and city-state partnerships are particularly effective ways to unleash innovative solutions.	

We the People...In Multifamily Buildings!	Location: Madison Track 1: Multifamily
<i>Speakers: Heather Nolen- Steven Winter Associates, Inc.; Patrick Long- Related Management Company Jennifer Senick- Rutgers Center for Green Building; Bomee Jung- New York City Housing Authority (NYCHA)</i> Studies have shown that human behavior is just as important to a building's performance as energy efficient systems themselves. Engagement and training for residents and building operators is often overlooked, as the focus is usually on installing advanced new energy efficient equipment. This panel-style session will explore challenges and real life examples of how resident engagement, operator training and behavioral awareness have reduced energy usage in multifamily buildings and created healthier, happier living spaces.	
Moving Iconic Buildings into the 21st Century	Location: East Village Track 2: Commercial & Institutional
<i>Speakers: Richard Bottali- Metro-North Railroad; Rebecca Marshall- Jacob K. Javits Center; Karen Timko- Metro-North Railroad; Ozgem Ornektekin, DCAS Division of Energy Management</i> This panel will present the in-depth story behind each building and how each of the three buildings were upgraded to protect use, design, and quality. The presenters will dive into how they have modernized the buildings without losing the integrity of the original design and how it is a seamless transition for the users.	
Reforming the Energy Vision's (REV's) Effect on You	Location: West Village Track 3: The Changing Energy Landscape
<i>Speakers: Greg Hale- New York City Energy Efficiency Corporation (NYCEEC); Mark Thielking- Energize NY; Janet Joseph, New York State Energy Research and Development Authority (NYSERDA); Richard Berkley, Public Utility Law Project of NY</i> The electric industry is in transition. Innovation and increasing competitiveness of renewable energy resources, combined with aging infrastructure, extreme weather events, and system security and resiliency needs, are all leading to significant changes in how electricity is generated, distributed, managed and consumed. This session will describe how New York State's Reforming the Energy Vision (REV) strategy will lead to regulatory changes that promote more efficient use of energy, deeper penetration of renewable energy resources such as wind and solar, and wider deployment of "distributed" energy resources.	
Demand Response Strategies	Location: Chelsea Track 4: What's Trending: Systems
<i>Speakers: Saheel Chandrani- Johnson Controls, Inc.; Tim Lezgus- Con Edison; Dan Egan, Vornado Realty Trust</i> This session will explore the incorporation of techniques to increase performance in utility-based energy programs and to draw insights from current Demand Response (DR) uses in New York City. Speakers will review the benefits, concerns, and solutions encountered in actual DR projects, successful DR integration at one of the City's well-known landmark buildings, going beyond traditional building efficiency initiatives during design and construction, and including backup power sources to ensure grid reliability.	
Passive House: Affordable, Retrofit, and Huge	Location: Manhattan Track 5: What's Working: Solutions
<i>Speakers: Steven Bluestone- The Bluestone Organization; Luke Falk- Related Companies; Michael Ingui- Baxt Ingui Architects; Katrin Klingenberg- Passive House Institute US (PHIUS)</i> Probably the most adopted newer certification in the building industry, Passive House is a US and international standard that small to very large owners are using to build and retrofit. Simple, affordable, and durable, this standard works in many types of buildings. Learn from four experienced practitioners about how smaller buildings are retrofitted, how affordable housing is built within budget, and how large scale dormitories and other buildings will be built in the future.	
Transportation Infrastructure: Where We Are, How We Must Change	Location: Bryant Park Track 6: What Lies Beneath: Infrastructure
<i>Speakers: Charles Komanoff- Komanoff Energy Associates; Projjal Dutta- MTA New York City Transit</i> Mass transit in and into NYC serves 15.1 million people, yet people still drive their cars into the City. The nation's largest mass transit system helps reduce carbon dramatically in the City, and a new congestion pricing proposal is supported in NYC, but ignored in Albany. Learn from two experts about where we are and where we need to go to move people in and out of NYC.	

The Property Manager’s Perspective: Getting Value from Benchmarking and Audits	Location: East Village Track 1: Multifamily
<i>Speakers: Emma Raymont- MaGrann Associates; Joshua Eisenberg- Urban American; Aaron Mehta, FS Energy</i> Large multifamily buildings in New York City are required to conduct benchmarking and ASHRAE II audits of their buildings by law. Learn from leading property managers how to use these mandates to net real returns for your building. Property managers will discuss the use of benchmarking in routine building operations. Case studies of retrofit projects that resulted from audit recommendations will also be explored.	
Innovation Drives Operations	Location: Madison Track 2: Commercial & Institutional
<i>Speakers: Dave Jones- Honeywell; Betty Watson- SolarCity Corporation; Lewis Kwit- Energy Investment Systems</i> Discussion of demand management, battery, elevator technologies - all new ways to manage energy usage in buildings that result in real savings to the owner/tenants.	
BQDM: Retrofitting for Reliability	Location: Bryant Park Track 3: The Changing Energy Landscape
<i>Speaker: Dom Lempereur- Enterprise Community Partners, Inc.; Greg Elcock- Con Edison; Catherine Luthin- Luthin Associates, Inc.; Nat DiDonato, Luthin Associates, Inc.</i> From Brownsville to Woodhaven, new policies and practices that are changing how we identify, finance, and implement energy conservation projects. This session will provide an overview of Con Edison’s Brooklyn Queens Demand Management (BQDM) program then dive into the innovative strategies that are improving grid reliability and saving dollars. From big to small, commercial to residential, we’re covering it all.	
Solar in the City	Location: Chelsea Track 4: What’s Trending: Systems
<i>Speakers: Anthony Pereira- Altpower, Inc.; Lucie Dupas- EnterSolar; Thomas Thompson- JA Solar USA, Inc.; Amelia Amon, Alt. Technica</i> Solar electric (PV) and hot water (DHW) generation systems are visible throughout the metropolitan area, yet some view solar in NYC as obstacle. New York has a thriving market with some of the best incentives and among the highest electricity rates in the country. During this session, experts will discuss successful installations, community solar projects, Building Integrated PV (BIPV), and what the changes in government incentives will mean to the industry.	
Show Me the Money: If You Can’t Pay for It, You Can’t Do It	Location: West Village Track 5: What’s Working: Solutions
<i>Speakers: Posie Constable- Clean Heat Finance; Doug Lawrence- 5 Stone Green Capital; Elizabeth Derry, The Community Preservation Corporation</i> If a building owner feels they can’t afford to internally finance a retrofit job, they drop the ball, the associated savings, and the business for our sector. To avoid these business losses, practitioners need to understand local and regional incentives, traditional financing methods, and cutting edge ways to get your projects done. These three knowledgeable and highly experienced financial gurus will walk you through many ways to help close the deal.	
Water: Life Blood of Our Infrastructure	Location: Manhattan Track 6: What Lies Beneath: Infrastructure
<i>Speakers: Warren Liebold- NYC Department of Environmental Protection; Eric A. Goldstein- NRDC; FL Andrew Padian- PadianNYC</i> NYC uses about a billion gallons of water per day, and the system that delivers it to our tap is both vast and frail, as is the system to dispose of and reuse our water. Water costs many owners more than energy, and sometimes property taxes. Learn about the system, NYCDEP incentives to reduce usage, successful retrofit projects, and the current and future state of NYC’s sewer system.	

Living on the Edge: Resiliency, Energy, and Affordability	Location: Madison Track 1: Multifamily
<i>Speakers: Mark Ginsberg- Curtis + Ginsberg Architects LLP; Rick Gropper- L+M Development Partners; Laurie Schoeman- Enterprise Community Partners, Inc.</i> With every passing year, temperatures and storms are becoming more extreme in our region. Protecting both tenants and building systems requires a new way of thinking about floodproofing, thermal comfort, and power loss. Speakers will review best practices and design solutions that have been implemented in affordable housing developments and retrofits to address a wide variety of environmental stressors. Speakers will also explore the public and private sources used to fund the projects.	
All Hands on Deck: How to Improve O&M	Location: Bryant Park Track 2: Commercial & Institutional
<i>Speakers: Michael Bobker- CUNY Institute for Urban Systems; John Mikullitz- Aramark Engineering Solutions; Karen Bee-Donohoe- SUNY at Albany; Gabriel Cowles, New York Power Authority (NYPA)</i> Focused look at real building case study for SUNY buildings and what is happening at CUNY. Discussion of RCx strategies to realize savings.	
New York City's Data Revolution	Location: East Village Track 3: The Changing Energy Landscape
<i>Speakers: Jenna Tatum- NYC Mayor's Office of Long-Term Planning and Sustainability; Richard Yancey- Building Energy Exchange; Laurie Kerr- Urban Green Council</i> Building owners and decision-makers of New York City's largest buildings now have more information than ever before to understand their energy consumption and prioritize investments in new equipment and maintenance. Many building owners are undertaking efficiency measures as a result of this information, but they still face a range of obstacles to pursuing building upgrades, such as limited capital, difficulties navigating financing and incentive programs, and the complexities of undertaking energy efficiency upgrades. This panel will outline how benchmarking and audit data collected by the City is being used to develop programs and tools to help building owners and decision-makers overcome these barriers and accelerate investments in energy efficiency.	
Lighting = Cash + Code	Location: Chelsea Track 4: What's Trending: Systems
<i>Speakers: Crissy Haley- JLL Energy and Sustainability Services; Floris Keverling Buisman- 475 High Performance Building Supply; Keith Schafer- Empire LED Solutions</i> Lighting efficiency has increased substantially with technology inherent in LED's, yet few buildings have come on board. Codes will drive changes in lighting down the road that should be addressed today. Daylighting is key and so is insuring that its inherent heat gain does not negatively impact the building load. Listen to three leaders in the field discuss the newest technologies in existing lighting, lighting controls and code requirements, and effectively using daylighting.	
Airsealing and Firestopping: Smart Science	Location: West Village Track 5: What's Working: Solutions
<i>Speakers: Margo Valdes- CLEAResult; Andrew D'Agostino- The Community Preservation Corporation (CPC); Grant Salmon, Steven Winter Associates, Inc.</i> Air leaks cause comfort, energy, fire, durability, and vermin problems throughout buildings. Recent studies have shown that: stack effect losses in high rise buildings leak large amounts of treated air (who knew?); airsealing as part of new construction helps meet performance standards and increase comfort; and airsealing individual apartments as part of retrofit projects saves occupants money and increases comfort in those units. Listen to three diverse presentations on methods and results in airsealing projects.	
The Building Process as Infrastructure	Location: Manhattan Track 6: What Lies Beneath: Infrastructure
<i>Speaker: Chris Benedict- Architecture & Energy Ltd.</i> Every building is tied to a series of infrastructure systems through government, wires, cables, energy, and humans. In this session an architect examines the "meta-infrastructure" that buildings nestle into. We are in a new era that deserves new thinking in planning, zoning, codes, energy, occupancy, and resiliency. This talk examines the form and nature of what we want to achieve with thoughts on the form and nature of the infrastructure that can deliver it.	

Thank you, Trade Show Exhibitors

SPONSORS NOTED IN GREEN



The exhibit floor is open all day long in the Empire Ballroom on the second floor. Visit vendors to learn more about state-of-the-art products and services that can make your business better. **Be sure to attend the conference reception from 5-6p.m. on the tradeshow floor in the Empire Ballroom.**

475 High Performance Building Supply

Table # 47

Brooklyn, NY | www.foursevenfive.com

475 helps make high performance, low-energy buildings, optimized for the highest levels of sustainable and affordable comfort. 475 supplies vapor-intelligent airtightness by Pro Clima, decentralized HRVs by Lunos, thermal bridge free skylights by Lamilux, and woodfiber insulation by Gutex.

Aegis Energy Services

Table # 34

Holyoke, MA | www.aegisenergyservices.com

Aegis Energy Services, Inc. is an innovative Combined Heat and Power (CHP) company based in Holyoke, MA. Founded in 1985, Aegis Energy Services' modular systems are currently utilized across the Northeast and Mid-Atlantic providing sustainable, clean power options for a wide array of customers.

Aluthermic GmbH

Table # 14

Germany | www.alu-therm.de

Aluthermic is your specialist for the additional insulation of thermally not decoupled aluminum window profiles and facades. The technology offers economic recovery using waterproof and windproof insulation shells without opening the building and business interruptions. Aluthermic is looking to partner with facade architects and developers, forensic engineers as well as energy consultants and companies interested in LEED certifications in the US.

Association for Energy Affordability, Inc.

Table # 6

Bronx, NY | www.aea.us.org

AEA provides energy technical services including GPNAs, investment grade audits, benchmarking and retro-commissioning, specializing in multifamily and affordable housing. We are energy efficiency and passive house consultants for existing buildings and new construction and a NYSERDA MPP Partner. AEA implements government and utility energy efficiency programs, and is the organizer of the Multifamily Buildings conference series.



Bieber Architectural Windows

Table # 38

New York, NY | www.bieber-windows.com

Bieber Bois design and manufacture a full range of energy efficient windows and doors. Custom made in Wood, Aluminum-clad and bronze clad. Bieber's staff is knowledgeable and can help you from our Brooklyn Design Center.

BuildingsNY

Table # H-3

New York, NY | www.buildingsny.com

Industry leading trade show for 30+ years serving needs and interests of Owners and Managers of NYC high-rise residential building: May 24-25, 2016 at Jacob Javits Center, NYC

ConEdison Solutions, Inc.

Table # 9

Valhalla, NY | www.conedsolutions.com

ConEdison Solutions is a leading energy services company that provides competitive electricity and natural gas supply, renewable energy, sustainability services, cost-effective energy efficiency solutions, and energy performance contracting. The company serves commercial, industrial, residential and government customers, including universities, public school districts, and hospitals nationwide.

Consolidated Edison Company of New York, Inc.

Table # 2

Valhalla, NY | www.conEd.com/greenteam

Con Edison provides energy to 3.4 million customers in New York and Westchester County, New York. Newsweek recently named the company the 'Greenest' utility in the United States.



Consulate General of the Federal Republic of Germany - New York

Table # 14

New York, NY | www.newy.diplo.de

Climate protection, promotion of renewable energy sources and protection of the environment are major focal points of German Government policy. These policies have also become a driving force for German businesses, which are already at the forefront of innovation and job creation in the field. Germans and Americans can be a powerful motor for cooperation on climate and energy policies. The Transatlantic Climate Bridge has been initiated by the German Government to help Americans and Germans exchange know-how and to pave the way for joint solutions.



Cosella-Dorken Products, Inc.

Table # 42

Brooklyn, NY | www.cosella-dorken.com

Cosella-Dorken delivers innovative, high-performance air and moisture barriers for commercial and residential construction sold under the DELTA's brand name. A North American manufacturer based out of Beamsville, Ontario, Cosella-Dorken Products, Inc. is a subsidiary of Ewald Dorken AG, a leading European developer and manufacturer of waterproofing and drainage products sold worldwide.

Covestro

Table # 26

Spring, TX | www.materialscience.bayer.us

Bayseal SPF wall and roofing insulation and EcoBay spray foam insulation are a key component for creating thermal and moisture protection critical to high performance homes and commercial buildings. Covestro's vision "To make the world a brighter place" speaks to our commitment to applying sound principles of building science and to economic, social and environmental sustainability for the construction industry.

Daikin Applied, Inc.

Table # 44

Jersey City, NJ | www.daikinapplied.com

Daikin Applied designs and manufactures technologically advanced commercial HVAC systems for customers around the world. Daikin Applied's parent company, Daikin Industries, Ltd. is a Fortune 1000 company with 2013 revenues in excess of \$18 billion and more than 51,000 employees worldwide, making it the largest HVAC manufacturer in the world.

dPoint Technologies

Table # 25

Vancouver, BC | www.dpoint.ca

dPoint develops, manufactures and sells membrane materials and energy recovery exchangers that improve the energy efficiency, indoor air quality and comfort of residential and commercial buildings throughout North America, Europe, China and India. dPoint's Energy Recovery Ventilation (ERV) technology saves customers money and allows them to live healthier and more environmentally-sustainable lives. dPoint was recently recognized as the 45th fastest growing company in Canada and has had their ERV technology installed in over 60,000 HVAC systems.

Dryvit Systems, Inc.

Table # 33

West Warwick, RI | www.dryvit.com

Dryvit Outsulation System has been green since 1969 long before the green buzz. The Dryvit Outsulation System is the most energy efficient cladding available based on the Oak Ridge National Laboratory (ORNL) common cladding tests. Come check us out!

eCO2Heat GmbH

Table # 14

Germany | www.eco2heat.us

Being produced by a leading infrared heater manufacturer, eco2heat products offer many unique features. All of eco2heat infrared wall and surface heaters underlie this patented technology and convince customers and experts alike with the highest quality, thermal and energy efficiency (thus cost savings) and significant health benefits. Eco2heat is looking to partner with HVAC dealers and retail chains, electricians as well as developers and architects in the US.

Energy Focus, Inc.

Table # 30

Solon, OH | www.energyfocusinc.com

Energy Focus, Inc. is a leading provider of energy efficient LED lighting products, and a developer of energy efficient lighting technology. Our solutions provide energy savings, aesthetics, safety and maintenance cost benefits over conventional lighting. Our long-standing relationship with the U.S. Government includes numerous research and development projects for the DOE and DARPA, creating energy efficient LED lighting systems for the U.S. Navy fleet.

EnterSolar

Table # 23

New York, NY | www.entsolar.com

EnterSolar is a leading provider of solar solutions to the retail, commercial and industrial marketplace with a focus on delivering

compelling, long-term ROI on every project. EnterSolar develops strategic options that best leverage the capital, tax and energy facets of each facility in a client's portfolio. EnterSolar provides an array of financing options including direct purchase alternatives, power purchase agreements and solar lease arrangements.

European Architectural Supply (EAS)

Table # 19

Lincoln, MA | www.eas-usa.com

European Architectural Supply, based in Massachusetts, has been delivering products of unrivaled craftsmanship and environmental sensibility to customers all over the United States for over ten years. We specialize in high-quality engineered windows and doors, custom-built in every style, from classic traditional designs to sleek modern conceptions.

Evolve Technologies, LLC

Table # 5

Scottsdale, AZ | www.thinkevolve.com

Evolve Technologies develops innovations that help homeowners Enjoy More and Use Less. Our core technology, ShowerStart, conveniently saves the water and energy that's wasted while waiting for the shower to warm. With ShowerStart a thermostatic shut-off valve (TSV) is all that's needed to conserve without changing shower pressure, flow or morning routines.

FuelCell Energy

Table # 45

Danbury, CT | www.fuelcellenergy.com

FuelCell Energy is a global leader in the design, manufacture, operation and service of ultra-clean, efficient and reliable fuel cell power plants. Currently operating in over 50 locations throughout nine countries, FCE power generation systems are a proven and affordable clean energy solution for municipalities, university campuses and any customer looking to benefit from low carbon energy production and enhanced grid resiliency on a megawatt-scale.

German American Chamber of Commerce - NY

Table # 14

New York, NY | www.gaccny.com

We are dedicated to building relationships between German and US companies in all sectors. The GACC has set an emphasis on sustainability and the green economy, mainly through programs sponsored by the export initiatives for energy efficiency and renewable energies and the transatlantic climate bridge.



Fujitsu General

Table # 43

Fairfield, NJ | www.fujitsugeneral.com | www.gogreenstar.com

Fujitsu General manufacturer of high performance air source heat pump heating and air conditioning equipment brought to you by Wales-Darby, Inc. representing the highest quality and most technologically advanced manufacturers, offering reliable solutions to the HVAC and plumbing industries. Expert design and system installations provided by Green Star Energy Solutions, the regions premier Building Performance contractors.

Grundfos Pumps Corporation

Table # 3

Olathe, KS | www.us.grundfos.com

Grundfos is a global leader in advanced pump solutions. We focus on energy efficient pumps for HVAC and plumbing applications.

Habitat Magazine

Table # H-2

New York, NY | www.habitatmag.com

Habitat Magazine serves the co-op & condominium board community and the professionals who serve it.

Heat Timer Corporation

Table # 36

Fairfield, NJ | www.heat-timer.com

Building Efficiency Heat-Timer: Building Efficiency Buildings Start with Heat-Timer Comfort and efficiency are bi-products of a finely tuned control system. Precision control decreases fuel consumption by eliminating problems such as short cycling, overheating, undetected system leaks, etc. When buildings are expertly controlled, temperatures are consistent and people are more comfortable. Eco-Friendly Solutions Eco-Friendly Home At Heat-Timer, our goal is to provide innovative, cost effective control solutions that enhance the comfort and efficiency of new and existing buildings. In doing so, we reduce the environmental impact of building heating systems worldwide often within the imperfect framework of existing mechanical systems.

InSoFast LLC

Table # 29

Wyomissing, PA | www.insofast.com

InSoFast, LLC since 2006. InSoFast Continuous Insulation Panel, combines do-it-yourself simplicity with cutting edge performance. InSoFast is an engineered alternative to the complex multi-part conventional systems. With millions of square feet in place and thousands of happy customers, why work so hard when you don't have too?

Intus Windows

Table # 18

Washington, DC | www.intuswindows.com

Intus Windows is one of the pioneers in manufacturing and distributing of super energy-efficient windows and doors in the US. Our super energy efficient Passive House certified and suitable windows, doors and curtain walls will fit any commercial, residential or industrial application.

Johnson Controls, Inc.

Table # 10

New York, NY | www.johnsoncontrols.com

Johnson Controls is a \$42 billion global multi-industrial leader with multi-disciplinary expertise in complex engineering projects including automation, controls, energy efficiency, demand response, HVAC and systems integration. Our products and services optimize operational efficiencies for customers to get the most out of every unit of energy, water, and material resource used in their facilities.

Leveraged Green Energy

Table # 40

Arlington, VA | www.solidpower.com/en/home

Leveraged Green Energy is a US-based venture capital fund that has invested in and is commercializing two revolutionary technologies. LGE's SolidPower 2nd generation solid oxide fuel cell brings superior performance at grid-party pricing, and LGE's waste-to-energy technology (GASPLASMA) reaches new levels of efficiency of energy conversion and the first that produces a syngas that is of sufficient purity and consistency to be truly "gas-engine-ready"

LineLoss Pro

Table # 28

Boston, MA | www.linelosspro.com

Line Loss Pro provides innovative energy saving solutions to the commercial market. Its flagship product, LLPro, is a revolutionary passive electro-magnetic technology that captures harmonics or, "noise", and restores proper phase and polarity to the AC system. LLPro, improves energy performance and reduces energy consumption, saving companies 12% to 30% of their total electrical energy cost.

MaGrann Associates, Inc

Table # 11

Mount Laurel, NJ | www.magrann.com

MaGrann Associates of Mount Laurel, NJ, is an innovative energy/building consulting and engineering firm headquartered in Mount Laurel, New Jersey with additional offices in Pennsylvania, Washington, D.C., Kentucky, Ohio and Hawaii. Since 1982, it has partnered with clients to deliver exceptional performance in customized building design, program management, and green building certification.

Manhattan Chamber of Commerce

Table # H-1

New York, NY | www.manhattancoc.org

Manhattan Chamber of Commerce (MCC) is a vibrant business membership organization comprised of a cross section of 10,000 business members and subscribers ranging from sole proprietors to large corporations and multi-national firms. Connect with entrepreneurs, leaders and executives by becoming an MCC member today and help your business grow.



Mitsubishi Electric Heating & Cooling

Table # 46

Southborough, MA | www.mitsubishielectric-usa.com

For the past 30 years, Mitsubishi Electric Cooling and Heating has enhanced people's lives by improving comfort, conserving energy, and promoting environmental sustainability. As a leading marketer of intelligent and efficient air-conditioning and heating systems for new construction or renovation, our product lines include CITY MULTI Variable Refrigerant Flow Zoning systems and Mr. Slim Split-ductless A/C and Heat Pumps.

Exhibitors

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National Grid

Table # 15

Worcester, MA | www.nationalgridus.com

National Grid, one of the world's largest utilities, connects consumers to energy sources through its networks. In the United States, National Grid delivers electricity to approximately 3.3 million customers in Massachusetts, New York, and Rhode Island. The largest distributor of natural gas in the northeast, National Grid serves approximately 3.4 million customers.



New York Power Authority (NYPA)

Table # 7

White Plains, NY | www.nypa.gov

We're the country's largest state public power organization, producing some of the cheapest electricity in North America. We are a national leader in promoting energy efficiency and the use of renewable-fuel and clean-energy technologies.

New York State Energy Research and Development Authority (NYSERDA)

Table # 1

Albany, NY | www.nysenda.ny.gov

NYSERDA offers objective information, innovative programs, technical expertise, and funding to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels. A public benefit corporation, NYSERDA has been advancing innovative energy solutions since 1975.



Northeast Sustainable Energy Association

Table # H-5

Greenfield, MA | www.nesea.org

Founded in 1974, the Northeast Sustainable Energy Association (NESEA) is today the region's leading membership organization promoting sustainable energy practices in the built environment. We, as professionals in the fields of renewable energy and building, embrace whole systems thinking as the path to sustainability.



NY Passive House, Inc.

Table # H-4

New York, NY | nypassivehouse.org

NYPH is an independent non-for-profit organization that promotes the Passive House building energy standard in NYS and the NYC metropolitan area through public outreach, education, support of industry professionals and advocacy. We provide marketing opportunities for our membership, and support the success and vitality of the Passive House community.

Oldcastle, Inc.

Table # 13

Selkirk, NY | www.oldcastle.com

Oldcastle, Inc., is the North American arm of CRH plc, one of the world's leading building products and materials companies based in Dublin, Ireland. Oldcastle operations include more than 1,800 locations in 50 states and 6 Canadian provinces. Oldcastle has 39,000 employees.



Passive House Institute US (PHIUS)

Table # 39

Chicago, IL | www.phius.org/home-page

PHIUS, a 501(c)(3) organization, has trained 2,000 architects, engineers, energy consultants, energy raters, and builders. It is the leading passive building research and information provider in North America. PHIUS has also established strategic relationships with key organizations including RESNET, Carnegie Mellon University, Habitat for Humanity, Rocky Mountain Institute and others.

PEPCO Controls

Table # 27

Deer Park, NY | www.pepcocontrols.com

PECONIC ENERGY PRODUCTS CORPORATION ("PEPCOTM") delivers energy savings of Gas, Oil, Electric and Steam in multi-family residential apartment buildings, commercial office buildings, industrial facilities, warehouses, nursing homes, schools, colleges and universities, government office buildings, greenhouses, hotels etc... by regulating, monitoring and controlling building mechanical and electrical systems (Boilers, Pumps, Fans, Chillers, AHU's, RTU's, FCU's and Lighting) via Computerized Building Automation and Energy Management System powered by DELTA CONTROLS

Prosoco, Inc.

Table # 37

Lawrence, KS | www.prosoco.com

PROSOCO manufactures the R-Guard Fast Flash Air & Waterproof Barrier System. The Fast Flash system helps Passive House professionals achieve their goal of maximum energy efficiency by stopping heating and cooling losses from air leaks through the building envelope. The vapor-permeable, durable, continuous and seamless air and water barrier system seals off all the tiny holes, seams and gaps that let air leak in and out, carrying energy dollars with it, and stressing the HVAC system.

Quality Conservation Services Inc. (QCS)

Table # 17

Oak Ridge, NJ | www.qualityconservationservices.com

Quality Conservation Services, Inc. (QCS) is an award-winning, national energy services company (ESCO) specializing in delivering sustainable and recurring energy savings by implementing proactive energy management solutions that address usage, associated costs and meeting future carbon emission standards for existing properties and their tenants in all market segments including: commercial and industrial, residential, municipal, federal, and multifamily. QCS has strategic partnerships with utility providers, state and federal agencies, manufacturers, financiers, and other industry-leading firms to offer the most cutting-edge technologies and attractive funding options for energy efficiency projects in the market.

Rathe Associates

Table # 12

Farmingdale, NY | www.ratheassociates.com

Manufacturer representative for commercial boilers & water heaters, hydronic heating accessories and controls, pumps & circulators, commercial radiation, radiant heating & snow melting, steam specialties and controls. We offer sales, service, specialties and solutions to the New York/New Jersey area.

Roxul, Inc.

Table # 4

Milton, ON | www.roxul.com

Roxul Inc. is a division of Rockwool International - the world's largest mineral or stone wool manufacturer. We manufacture batts for stud walls, semi-rigid boards for exterior walls and rigid products for roofs. Stone wool is non-combustible, water repellant, sound absorbent, and environmentally sustainable.

SIGA Cover, Inc.

Table # 35

Irvine, CA | www.sigacover.com

SIGA is a leading manufacture, with over 40 years of experience producing and supporting High Performance air, weather, and vapor tight tapes and membranes for the building envelope.

Steven Winter Associates, Inc.

Table # 20

New York, NY | www.swinter.com

Steven Winter Associates, Inc. provides research, consulting and advisory services to improve commercial, residential and multifamily built environments for private and public sector clients. We specialize in energy, sustainability and accessibility consulting as well as certification, research & development and compliance services. Our engineers and architects have led the way since 1972 in the development of best practices to achieve high performance buildings.

Tecogen, Inc.

Table # 32

Waltham, MA | www.tecogen.com

Tecogen's InVerde/INV-100 Inverter-Based Cogeneration Module produces electricity and hot water for commercial, institutional, and industrial facilities. The InVerde offers full "black-start" capability and is UL 1741 and 2200 certified for simplified grid interconnection. The INV-100 can cut energy costs and GHG emissions by 40%.

The USAI Lighting Collaboratory

Table # 16

New York, NY | www.usailighting.com

USAI Lighting leads the industry in designing and manufacturing sophisticated LED downlighting products which boast superior color consistency and output benchmarks. Manufacturing and assembly is based in New Windsor, NY.

Thornton Tomasetti, Inc.

Table # 41

Portland, ME | www.thorntontomasetti.com

Thornton Tomasetti is passionate about creating efficient, high-performance, climate-responsive buildings and communities. We use whole-systems thinking and leading-edge analytical tools to develop innovative solutions that balance economic, social and environmental factors. Our experienced team offers sustainable design strategies, energy analysis, NYSERDA technical assistance, compliance modeling and green building certification consulting.

Triacta Power Solutions

Table # 8

Carleton Place, ON | www.triacta.com

Triacta Power Solutions designs and manufactures advanced metering solutions for energy management and tenant billing

in multi-unit commercial, institutional and residential applications. Every Triacta meter ships with leading edge software that combines meter management, automated data collection, powerful analysis tools and flexible billing capabilities, everything you need to create and manage your metering infrastructure.

Vidaris, Inc.

Table # 31

New York, NY | www.vidaris.com

Vidaris is a provider of niche consulting services within the A/E/C industry for both new construction and existing buildings, with a focus on high-performance buildings and specialty structures. Through a holistic approach, Vidaris creates value for its clients through the unique synergy of its consulting services for building envelope, sustainability and code. Vidaris maintains independence as a third party advisor in order to best deliver and serve our clients' requirements and expectations. In sum, Vidaris helps make buildings better.

Yardi/Enerliance

Table # 21

New York, NY | www.enerliance.com

The Load Based Optimization System (LOBOS) from Yardi is an intelligent HVAC platform that significantly reduces energy consumption in large buildings and campuses without sacrificing tenant comfort. LOBOS also enables automated demand response participation and system-level fault detection and diagnostics.

Yaro Windows

Table # 22

Cambridge, MA | www.yaro-dsi.com

We provide every client with comprehensive support from initial design concepts through finish installation. Our approach focuses on finding the best possible value by supplying custom designed solutions with supporting services of delivery and installation.

Zehnder America, Inc.

Table # 24

Hampton, NH | www.zehnderamerica.com

Zehnder specializes in high-performance ventilation solutions to promote comfortable, healthy, and energy-efficient indoor living. As an important component of an energy-efficient home or multi-family building, Zehnder's heat recovery ventilation systems typically recover over 90% of the room temperature and ensure fresh filtered air for the inhabitants year-round.

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