MORE INNOVATION.  
BIGGER CONFERENCE.  
BETTER BUILDINGSNY.

YOUR COMPLIMENTARY CONFERENCE PASS INCLUDES:

• Access to the full BuildingsNY Education Program — with twice as many sessions in 2017!

• Exhibit hall pass for both BuildingsNY and INTERPHEX

www.buildingsny.com/learning
TUESDAY, MARCH 21 (ROOM 1C01)

10:15am-11:15am - Modeling Economizer Saving
Brian Meneghan, Specifying Engineer, Carrier

11:45am-12:45pm - Storage for Commercial Buildings
Richard Gerbe, Co-Founder, Highmark

1:15pm-2:15pm - Smart Insulation Solutions
Suzanne Rowe Barrett, Partner/VP of Sales, Thermaxx

3:30pm-4:00pm - Advanced Wireless Technology
Magnum Energy Solutions

WEDNESDAY, MARCH 22 (ROOM 1C01)

10:15am-11:15am - Gas Chiller Solutions
John Taguer, Sr. Director, D&B Engineering

11:45am - 12:45pm - Smart Buildings
Raphael Carty, CEO, Callida Energy

2:30 pm - 3:30pm - Building Water Systems
Dann Holmes, Business Development Manager, NSF International

TUESDAY MARCH, 21 | EDUCATION HIGHLIGHTS

OPENING KEYNOTE: HUD, HOUSING, AND THE TRUMP PLAN: WHAT’S NEXT?
8:45 am – 9:45 am
Speaker: Gerald M. Howard, CEO, National Association of Home Builders
Hear from a national leader with decades of experience in Washington on housing issues.

Jerry Howard, Chief Executive Officer of the National Association of Home Builders, has over 25 years of association experience and a lifetime in the housing industry. Jerry began his association career at the National Association of Realtors, where he served as a Legislative Analyst for tax issues. Prior to joining NAHB, Jerry served as the Chief Lobbyist for the National Council of State Housing Agencies where he was instrumental in the development of the low-income housing tax credit as part of the Tax Reform Act of 1986. Jerry came to NAHB as tax counsel in 1988 and served in a variety of roles, including Chief Lobbyist. He was promoted to Executive Vice President and Chief Executive Officer in February 2001.

CITYHALL@BUILDINGSNY CLINIC & SESSIONS
10:00 am – 3:00 pm
The Mayor and City Council have been busy all year creating new rules and lease notice requirements. Get the latest updates from all the enforcement agencies at BuildingsNY and resolve compliance, regulation and violation issues on-the-spot

NYC AGENCIES INCLUDE:

Department of Housing Preservation & Development will explain violations and correction procedures.
Department of Finance will answer questions from tax and assessment problems to SCRIE and DRIE issues.
Department of Buildings will explain new gas pipe inspection requirements as well as help with permit issues and questions.
Department of Environmental Protection will be on hand to resolve water bill issues.

NEW STORMWATER PERMITTING REGULATIONS & GREEN INFRASTRUCTURE PROGRAMS
2:45 pm – 3:45 pm
Speaker: Dr. Pinar Balci, Assistant Commissioner, NYC Department of Environmental Protection
The New York State Department of Environmental Conservation (DEC) received its first citywide MS4 permit required under the Clean Water Act on August 01, 2015. The intent of this permit is to manage urban sources of stormwater runoff to protect and improve water quality.

Accordingly, New York City is currently developing a citywide Stormwater Management Program (SWMP) Plan that addresses many elements, including: Public Education and Outreach; Public Involvement/Participation; Mapping; Illicit Discharge Detection and Elimination; Construction Site Stormwater Runoff Control; Pollution Prevention; and Control of Floatables and Settleable Trash and Debris.
FIRST LOOK! PREVIEW TO 2017 REVISED GENERAL CONDITIONS AND NEW SUSTAINABLE PROJECTS EXHIBIT

10:15 am – 11:15 am
Speakers: Michael Bomba, Esq., Director & Counsel, AIA
Ken Cobleigh, Esq., Managing Director & Counsel, AIA

AIA document A201, the General Conditions of the Contract for Construction, defines the roles, responsibilities, and working relationships among project team members. Newly revised for 2017, join us for a detailed analysis of the A201 to discover essential information that you should understand before beginning any project. Attendees will gain a preview of the key changes for 2017; understand how revisions will impact their practice; and examine how the new Sustainable Projects Exhibit can be used to provide a positive outcome on the health, safety and welfare of building occupants.

WHY YOU SHOULD SWITCH TO EC FANS & MOTORS FOR HIGH EFFICIENT TECHNOLOGY

11:45 am – 12:45 am
Moderator: Ron Zeccardi, Vice President, BOMA New York
Paul Errigo, President, GREENCROWN Energy & Water
Charles Seifertie, EC Motor Specialist, DVM Industries
Dan Pugliese, Sr. Vice President of Engineering of Hines, Morgan Stanley

EC Fans & Motors can be up to 80% more efficient and can help buildings not only save money, but achieve energy reduction goals and compliance. Learn the applications, benefits, and incentives available, and discover if your property should take advantage of EC Motor technology. Hear from properties who have already upgraded to EC motors.

PLAYING FOR ADVANTAGE, GUARDING THE FLANK: EMERGING TRENDS IN REAL ESTATE

11:45 am – 12:45 pm
Speaker: Byron Carlock Jr., US Real Estate Leader, PwC

Big assets, big cities, big capital, and big competition. Join PwC’s Byron Carlock as he provides an overview of real estate investment and development trends, real estate finance and capital markets, property sectors, metropolitan areas, and other real estate issues throughout the United States. You’ll hear about the best bets for 2017 from a wide range of industry experts, including investors, fund managers, developers, property companies, lenders, brokers, advisers, and consultants we interviewed for PwC’S recent Emerging Trends in Real Estate Report.

INNOVATION STAGE

Your destination for supplier-endorsed, free education providing valuable tools and insights to help you save money and earn more profits. These informative half-hour sessions are conveniently located on the exhibit floor. Hear from well-known, knowledgeable buildings professionals including 32BJ Training Fund, Site Compli, NYC Retrofit Accelerator, and more.

TOPICS INCLUDE:
32BJ Training Fund: New FDNY Regulations
32BJ Training Fund: DSNY Recycling Regulations
Managing Compliance Issues and Protecting Your Brand
Steam Heating Systems and Reducing Emissions

Visit www.buildingsny.com for the complete schedule.
<table>
<thead>
<tr>
<th>TARGET AUDIENCE</th>
<th>8:45 AM – 9:45 AM</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Audiences</td>
<td>Opening Keynote - HUD, Housing, and the Trump Plan: What’s Next?</td>
<td>1B03</td>
</tr>
<tr>
<td></td>
<td>Gerald Howard, CEO, National Association of Home Builders</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>10:00 AM – 3:00 PM</strong></td>
<td></td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>CityHall@BuildingsNY</td>
</tr>
<tr>
<td>Contractors</td>
<td>Developers</td>
<td>Owner Information Tables</td>
</tr>
<tr>
<td></td>
<td><strong>10:15 AM – 11:15 AM</strong></td>
<td></td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>CityHall@BuildingsNY</td>
</tr>
<tr>
<td>Contractors</td>
<td>Developers</td>
<td>Section 8: Department of Housing, Preservation &amp; Development &amp; NYC Housing Authority</td>
</tr>
<tr>
<td>Architects</td>
<td>The Small and Mid-Size Firm’s Essential Guide to Contract Documents</td>
<td>1B04</td>
</tr>
<tr>
<td>Contractors</td>
<td>Owners</td>
<td>Ken Cobleigh, Esq., Managing Director &amp; Counsel, Contract Documents, AIA</td>
</tr>
<tr>
<td>Architects</td>
<td>Contractors</td>
<td>Ken Levenson, Executive Director, PassiveHouse</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>Security is Driving Your Costs Up, Here’s Why</td>
</tr>
<tr>
<td>Architects</td>
<td>Contractors</td>
<td>Doug Haines, Owner, Haines Security Solutions</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>Learning to Benchmark with Energy Star Portfolio Manager*</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Alan Grotheer, Manager, NYC Benchmarking Help Center</td>
</tr>
<tr>
<td>Engineers</td>
<td>Developers</td>
<td>Jacqueline Espinal, Associate, NYC Benchmarking Help Center</td>
</tr>
<tr>
<td></td>
<td><strong>11:45 AM – 12:45 PM</strong></td>
<td></td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>CityHall@BuildingsNY</td>
</tr>
<tr>
<td>Architects</td>
<td>Contractors</td>
<td>HPD Code Enforcement: Department of Housing, Preservation &amp; Development</td>
</tr>
<tr>
<td>Developers</td>
<td>Moderator: Dan Margulies, Executive Director, ABO</td>
<td></td>
</tr>
<tr>
<td>All Audiences</td>
<td>Security is Driving Your Costs Up, Here’s Why</td>
<td>1B04</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>Learning to Benchmark with Energy Star Portfolio Manager*</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Alan Grotheer, Manager, NYC Benchmarking Help Center</td>
</tr>
<tr>
<td>Engineers</td>
<td>Developers</td>
<td>Jacqueline Espinal, Associate, NYC Benchmarking Help Center</td>
</tr>
<tr>
<td></td>
<td><strong>1:15 PM – 2:15 PM</strong></td>
<td></td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>CityHall@BuildingsNY</td>
</tr>
<tr>
<td>Architects</td>
<td>Contractors</td>
<td>Department of Buildings</td>
</tr>
<tr>
<td>Developers</td>
<td>Moderator: Dan Margulies, Executive Director, ABO</td>
<td></td>
</tr>
<tr>
<td>Architects</td>
<td>The Architect’s Guide to Managing Risks on Residential Construction Projects</td>
<td>1B04</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>New, No-Cost Energy Efficiency Training Program</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Tom Sahagian, Educator, CUNY Building Operator Training</td>
</tr>
<tr>
<td>Engineers</td>
<td>Developers</td>
<td>John Lee, Deputy Director, Green Buildings &amp; Energy Efficiency,</td>
</tr>
<tr>
<td></td>
<td>Mayor’s Office of Sustainability</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Leigh Shapiro, Executive Director, NYC Department of Small Business</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>2:45 PM – 3:45 PM</strong></td>
<td></td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>Here For You: An Update From the NYS Sustainable Business Council</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Bob Rossi, Executive Director, NYS Sustainable Business Council</td>
</tr>
<tr>
<td>Contractors</td>
<td>Engineers</td>
<td>VRF System Commission Process and As-Built Situation</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>New Stormwater Permitting Regulations and Green Infrastructure Programs</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Huanan Shen, Engineer, Centrifugal Associates Group, LLC.</td>
</tr>
<tr>
<td>Engineers</td>
<td>Developers</td>
<td>Bill Artis, Consulting Sales Engineer, Daikin</td>
</tr>
<tr>
<td>Owners</td>
<td>Superintendents</td>
<td>New Stormwater Permitting Regulations and Green Infrastructure Programs</td>
</tr>
<tr>
<td>Managers</td>
<td>Superintendents</td>
<td>Dr. Pinar Balci, Assistant Commissioner,</td>
</tr>
<tr>
<td>Engineers</td>
<td>Developers</td>
<td>NYC Department of Environmental Protection</td>
</tr>
<tr>
<td>TARGET AUDIENCE</td>
<td>8:45 AM – 9:45 AM</td>
<td>LOCATION</td>
</tr>
<tr>
<td>----------------</td>
<td>------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| All Audiences  | Keynote: Protecting Your Buildings’ Critical Infrastructures from Cyber Attacks  
Joel Langill, Industrial Control System Cyber Security SME, Critical Infrastructure Protection, AECOM Management Services | 1B03 |

<table>
<thead>
<tr>
<th>10:15 AM – 11:15 AM</th>
<th>LOCATION</th>
</tr>
</thead>
</table>
| Owners | Mangers | Architects | Contractors | Engineers | VRF - The Future of HVAC  
Moderator: Tom Krol, VP, Business Development, Donnelly Mechanical  
Dan Donnelly, CEO, Donnelly Mechanical  
Andre Robitaille, Sales Manager, ABCO Supply  
Rich Rogers, Regional Manager, Mitsubishi Electric | 1C02 |
| Architects | Owners | Contractors | Engineers | FIRST LOOK! Preview to 2017 Revised General Conditions and New Sustainable Projects Exhibit  
Michael Bomba, Esq., Director & Counsel, AIA  
Ken Cobleigh, Esq., Managing Director & Counsel, Contract Documents, AIA | 1B04 |
| Superintendents | Contractors | Achieving Deep Carbon Reductions: Case Studies in the NYC Carbon Challenge  
Patrick Love, NYC Carbon Challenge Coordinator, Mayor’s Office of Sustainability | 1C04 |

<table>
<thead>
<tr>
<th>11:45 AM – 12:45 PM</th>
<th>LOCATION</th>
</tr>
</thead>
</table>
| Owners | Managers | Why You Should Switch to EC Fans & Motors for High Efficient Technology  
Moderator: Ron Zeccardi, VP, BOMA NY  
Paul Errigo, President & CEO, GREENCROWN Energy & Water  
Charles Seiftertie, EC Motor Specialist, DVM Industries  
Dan Pugliese, Sr. Vice President, Morgan Stanley | 1C02 |
| Architects | Superintendents | Contractors | Playing for Advantage Guarding the Flank: Emerging Trends in Real Estate  
Byron Carlock, Jr., US Real Estate Leader, PwC | 1B04 |
| Owners | Managers | Architects | Superintendents | Engineers | Optimize Your Building’s Operational Performance: Tools for Re-tuning  
Moderator: Da-Wei Huang, Senior Applied Research Associate, Building Performance Lab, CUNY Institute for Urban Systems  
Dan Donovan, Energy Manager, Senior Stationary Engineer, Department of Citywide Administrative Services  
George Hernandez, Staff Scientist, Pacific Northwest National Laboratory  
Alex Mikszewski, Energy Manager, Brooklyn Public Library System Panelists | 1C04 |

<table>
<thead>
<tr>
<th>1:15 PM – 2:15 PM</th>
<th>LOCATION</th>
</tr>
</thead>
</table>
| Property Managers | Owners | Who Pays For Late or Delayed Construction...Contractor, Sub Contractor, Construction Manager, or Building Owner?  
Margie Russell, Executive Director, NYARM | 1C02 |
| Owners | Contractors | Engineers | Legal Considerations in Digital Practice and Buildings Information Modeling  
Michael Bomba, Esq., Director & Counsel, Contract Documents, AIA | 1B04 |
Mike Licastro, North East Regional Sales Manager, Armstrong Fluid Technology | 1C04 |

<table>
<thead>
<tr>
<th>2:30 PM – 3:30 PM</th>
<th>LOCATION</th>
</tr>
</thead>
</table>
| Building Owners | Managers | Building Fire Safety in NYC’s Existing Commercial Office Buildings  
Daniel Colombini, Principal, Goldman Copeland | 1B04 |
| Building Owners | Managers | Facility Maintenance Managers | Design Guidelines for Zero Waste  
Clare Miflin, Associate Principal, Kiss + Cathcart, Architects  
Christina Grace, Principal & Foodprint Systems Consultant, Foodprint Group | 1C04 |
SPEAKER SPOTLIGHT

Bill Artis
Consulting Sales Engineer, Daikin

Ken Cobleigh, Esq.
Managing Director & Counsel, Contract Documents AIA

Alan Grotheer
Manager, NYC Benchmarking Help Center

Dr. Pinar Balci
Assistant Commissioner, NYC Department of Environmental Protection

Daniel T. Donnelly
Chief Executive Officer, Donnelly Mechanical

Doug Haines, MPSE
Owner, Haines Security Solutions

Tom Sahagian
Tom Sahagian, Educator, CUNY Building Operator Training

Dan Donovan
Energy Manager, Senior Stationary Engineer Department of Citywide Administrative Services

George Hernandez
Staff Scientist, Pacific Northwest National Laboratory

Michael B. Bomba, Esq.
Director & Counsel, Contract Documents AIA

Paul Errigo
President & CEO, GREENCROWN Energy & Water

Gerald M. Howard
CEO, National Association of Home Builders

Daniel Colombini
Principal, Goldman Copland

Jacqueline Espinal
Associate, NYC Benchmarking Help Center

Da-Wei Huang
Senior Applied Research Associate, CUNY BPL

Byron Carlock, Jr.
US Real Estate Leader, PwC

Christina Grace
Principal & Food Systems Consultant, Foodprint Group

Tom Krol
VP Business Development, Donnelly Mechanical