



NEW YORK
STATE OF
OPPORTUNITY.

NYSERDA

**20
19**

MULTIFAMILY SUMMIT

Where the best energy efficiency
experts get even better.

October 21-23, Tarrytown, NY

Summit Information

Welcome to the 2019 Multifamily Summit!

Continuing Education Credits

The Summit sessions have been submitted for continuing education credits for BPI and AIA. Each session will have a BPI and AIA sign-in sheet located at the front of the room. If you wish to receive BPI CEUs or AIA LUs, you must sign-in on the appropriate sheet at the end of the session.

Day 1 of the Summit was approved for 4.0 CPHC (Certified Passive House Consultant) credits.

Wifi

The WiFi name is **Hhonor_Meeting**. A popup screen should appear with the Wifi sign-in page. If this screen does not appear, please open a browser and try to open any site such as yahoo.com and this will redirect to the WiFi sign-in page.

Once on the log-in page, please select the bullet point for **“promotion/coupon code”**, click next and then you input **“NYSERDA19”** in the empty box and click next. At this point, you should be signed onto the WiFi.

Project Spotlight Showcase

Take a stroll through our project spotlight displays where you will learn about thought provoking projects, best practices, and evolving technologies in the multifamily sector.

Summit Exhibits

Please make sure to visit our exhibitors during the networking breaks.

Energy Resources USA

G.S. Dunham, LLC

Heat-Timer Corporation

Intellastar

Legend Power® Systems

Minotair Ventilation Inc.

Mitsubishi Electric Trane HVAC US LLC

PlugIn Stations Online LLC

Quadlogic Controls Corporation

Sustainable Comfort Inc.

SWTCH Energy Inc.

WexEnergy LLC

XYZ Studio

BlueGreen Alliance

Agenda

Monday, October 21, 2019

4:00 p.m.– 6:00 p.m.	Registration
6:00 p.m.– 7:00 p.m.	Cocktail Reception

Tuesday, October 22, 2019

8:00 a.m.– 8:45 a.m.	Continental Breakfast and Registration		
8:45 a.m.– 9:00 a.m.	Opening Remarks and Welcome		
9:00 a.m.– 9:45 a.m.	Plenary Session: Pursuing Passive — A High-Performance Retrofit Study		
9:45 a.m.– 10:00 a.m.	Break		
10:00 a.m.– 11:00 a.m.	A Sink or Swim: How NYC WAP Subgrantees Tackled the Challenge of ASHRAE 62.2 Compliance on Their Own	B Electrical Service Capacity for Air Source Heat Pump Conversions	C Solar and Energy Storage Opportunities in New York State
11:00 a.m.– 11:15 a.m.	Break		
11:15 a.m.– 12:00 p.m.	NYSERDA Program Updates		
12:00 p.m.– 12:30 p.m.	Lunch		
12:30 p.m.– 1:15 p.m.	NYSERDA's Workforce Training Initiatives		
1:15 p.m.– 1:30 p.m.	Break		
1:30 p.m.– 2:30 p.m.	A Carbon Pricing and Resiliency – A Joint Session	B We Should Know Better: Top 10 Multifamily Design Mistakes	C Integrated Physical Needs Assessments: What, Why, and How
2:30 p.m.– 2:45 p.m.	Break		
2:45 p.m.– 3:45 p.m.	A “We Went LED” is not Sufficient: The Place of Lighting in High-Efficiency Programs	B Affordable Passive House	C Informing Developer's Decision Making for High Performance Buildings
3:45 p.m.– 4:00 p.m.	Break		
4:00 p.m.– 5:00 p.m.	A Common Issues with VRF Installations	B It's Raining Inside: Moisture Issues in New Multifamily Construction	C The Fairview: Integrated Deep Energy Retrofits & Resiliency in Multifamily Residences
5:00 p.m.– 6:00 p.m.	Cocktail Hour		
6:00 p.m.– 8:00 p.m.	Dinner		

Agenda

Wednesday, October 23, 2019

8:00 a.m.– 9:00 a.m.	Continental Breakfast		
9:00 a.m.– 9:15 a.m.	Opening Remarks & Welcome		
9:15 a.m.– 9:45 a.m.	NY State Energy Policy Developments		
9:45 a.m.– 10:30 a.m.	Panel Discussion: Evolving Energy Policy and Resources for Building Owners		
10:30 a.m.– 10:45 a.m.	Break		
10:45 a.m.– 11:30 a.m.	A Heat Pump Case Studies	B Getting Smart Buildings to Work for You	C Beyond the utility bill: Non-energy benefits of high-performance buildings that drive value for owners and tenants
11:30 a.m.– 11:45 a.m.	Break		
11:45 a.m.– 12:30 p.m.	A Multifamily EVSE Installation 101	B New Efficiency New York and Affordable Multifamily Housing	C Finance Tools To Get Your Project Done
12:30 p.m.– 1:30 p.m.	Lunch		
1:30 p.m.– 2:30 p.m.	Solutions for Buildings in Gas Constrained Areas		
1:30 p.m.– 3:30 p.m.	Heat Pump Installation Issues in Existing Residential Buildings: Impact on Training of Contractors		

Presentation and Session Details

Monday, October 21

4:00 p.m.—6:00 p.m. | Registration

Location: Grand Hall

6:00 p.m.—7:00 p.m. | Cocktail Reception

Location: Grand Hall

Greet old friends and meet new colleagues while enjoying lite fare and complimentary beverage.

Tuesday, October 22

8:00 a.m.—8:45 a.m. | Continental Breakfast and Registration

Location: Grand Hall

8:45 a.m.—9:00 a.m. | Opening Remarks and Welcome

Location: Grand Ballroom

**9:00 a.m.—9:45 a.m. | Plenary Session
Pursuing Passive: A High-Performance Retrofit Study**

Location: Grand Ballroom

Yetsuh Frank, Building Energy Exchange

Yetsuh Frank of the Building Energy Exchange will present this feasibility study of upgrading an existing multifamily building in New York City to meet the Passive House standard for retrofits. The building selected for analysis is a 15-story, market-rate residential building on a small campus of nearly identical buildings in Brooklyn. Focused on phasing energy conservation measures over time while the building is occupied, the report aims to guide building owners through the opportunities available for phased deep retrofits that provide comfortable, healthy spaces aligned with the city's building emissions mandates. An array of improvements to the envelope, windows, heating and cooling systems, ventilation, domestic hot water, lighting, and plug loads, were explored to determine the most effective solutions that limit disruption to the occupants. This analysis indicates it is feasible to transform an occupied building of this type to meet the climate action goals of the coming century, while providing the highest quality living environment.

9:45 a.m.—10:00 a.m. | Break

CONCURRENT SESSIONS | 10:00 a.m.—11:00 a.m.

A | Sink or Swim: How NYC WAP Subgrantees Tackled the Challenge of ASHRAE 62.2 Compliance on Their Own

Location: Hudson BC

Daniel Reiber, NMIC

Dave Hepinstall, Association for Energy Affordability

Francis Rodriguez, Association for Energy Affordability

This session will share case studies of ASHRAE 62.2 compliance in multifamily buildings, as mandated by the U.S. DOE's Weatherization Assistance Program (WAP). The focus will be on existing multifamily buildings going through the WAP, and how several NYC Weatherization agencies took on the challenge to achieve compliance. There will be a brief overview of how the WAP came to adopt the ASHRAE 62.2 standard, the State's glacial pace to provide guidance to subgrantees, and the ultimate path chosen by a brave group of nonprofits determined to get the job done. Naturally ventilated buildings (where no Mechanical Ventilation exists) and buildings with 100% mechanical ventilation will be discussed as well as buildings that contain a mix of mechanical ventilation and naturally ventilated apartments. The trial and error process of deciding the best method of compliance, the different pathways subgrantees chose to achieve compliance, and the success achieved in the end will also be presented. This session intends to show how a fear-based policy decision spawned some innovation in NYC, with the ultimate goal of keeping apartments well ventilated.

B | Electrical Service Capacity for Air Source Heat Pump Conversions

Location: Salon 1

Ian Shapiro, Taitem Engineering

The large-scale conversion of fossil-fuel heating systems to heat pumps is anticipated to be an important path to reducing carbon emissions. Installation costs are viewed as a significant obstacle to this work. Within installation costs, a major component is the provision of electrical power to the heat pump. If electrical upgrades are needed, the cost can increase dramatically. If electrical upgrades can be avoided, the installation becomes measurably more affordable. How often are electrical upgrades needed? How can the assessment of whether upgrades are needed be done by advance-team people, such as energy auditors? What are the important elements of the electrical service, including the feeders, main breakers, and panels? What other things do you need to know to make a determination on whether an upgrade is needed, such as the existing electrical load in an apartment? What code requirements are important to be aware of? Can upgrades be prevented, for example by downsizing heat pumps, if envelope work is done? What is the cost to upgrade the electrical service, if required? In other words, what cost can be prevented if an upgrade is avoided? This workshop will seek to answer these questions. Focus will be directed to issues relating to multifamily buildings.

Presentation and Session Details

C | Solar and Energy Storage Opportunities in New York State

Location: Salon 2

Ben Falber, NYSEERDA

Luke Forster, NYSEERDA

Lucy Fan, Peak Power

Energy storage can help lower your customer's electricity bill, meet basic resiliency requirements, and ensure electricity is available when your customer's needs are the highest. Whether installed alone or paired with solar, energy storage can maximize the benefits of clean generation to be a cost-effective solution. Learn about the revenue opportunities and funding programs for solar and storage in New York State and how these technologies can benefit your business.

11:00 a.m.—11:15 a.m. | Break

11:15 a.m.—12:00 p.m. | NYSEERDA Program Updates

Location: Grand Ballroom

Join NYSEERDA staff members to hear about upcoming NYSEERDA-led initiatives for multifamily buildings.

12:00 p.m.—12:30 p.m. | Lunch

Location: Grand Ballroom

12:30 p.m.—1:15 p.m. | NYSEERDA's Workforce Training Initiatives

Location: Grand Ballroom

Adele Ferranti, NYSEERDA

NYSEERDA's workforce development and training programs are preparing the current and future workforce to meet the demands of clean energy jobs with the skills to work with clean energy technologies and systems. With a commitment of nearly \$70 million, NYSEERDA is working with partners to change the landscape of the State's workforce through clean energy workforce development and training, ensuring that energy efficiency and clean technology businesses and building owners have an adequate supply of new and existing workers with the necessary occupational skills, credentials and experience. Energy efficiency and clean technology areas targeted include high-efficiency heating, ventilation, and air conditioning (HVAC); renewable power generation, renewable heating and cooling; high-efficiency water heating; insulation and air sealing; high-efficiency lighting and controls; building automation and controls; smart grid; energy storage; and related areas.

1:15 p.m.—1:30 p.m. | Break

CONCURRENT SESSIONS | 1:30 p.m.—2:30 p.m.

A | Carbon Pricing and Resiliency – A Joint Session

Location: Hudson BC

Atalia Howe, Community Preservation Corporation

Jim Leahy, DNV-GL

Atalia Howe's topic: Carbon Pricing – What is it and how it can help you assess climate-related risks and opportunities

A growing number of organizations, businesses, and investors are using carbon pricing as a tool to reduce climate-related financial risk, discover new low-carbon business opportunities and prepare for the transition to a low-carbon economy. The two main types of carbon pricing approaches will be presented (emissions trading systems and carbon taxes) with some examples of each given. The emissions caps instituted as part of Local Law 97 in NYC will be discussed briefly, and carbon pricing will be introduced as a useful tool to help building owners of covered buildings plan and invest accordingly to meet the targets. Finally, while the main objective of implementing carbon pricing initiatives is to motivate emissions mitigation, the session will also explore how such initiatives can help achieve broader outcomes.

Jim Leahy's topic: Taking Action on Building Resilience

New York State experiences many different types of extreme weather events, including periods of heavy rainfall, strong coastal storms, heat waves, and heavy snow. In a changing climate, these events are becoming more intense, frequent, and costly. As building owners struggle to address this risk, understanding the overlapping benefits between energy efficiency, physical needs, emergency preparedness, and resilience improvements is critical. In this session, synergies across these topical areas and lessons learned from recent case studies will be discussed so that multifamily building owners, managers, or other practitioners better understand mutual benefits of improvement projects and are able to identify strategies that increase a building's resilience.

B | We Should Know Better: Top 10 Multifamily Design Mistakes

Location: Salon 1

Steve Klocke, Steven Winter Associates, Inc.

The residential building industry has made incredible progress toward sustainability and energy efficiency goals. At the same time, senior Green Rater and Registered Architect, Steve Klocke, finds many new buildings underperforming because designers continue to make simple, avoidable mistakes. The affordable housing market has the most at stake when mistakes impact health, durability, tight schedules, and tighter budgets. Smart design choices yield buildings that are easier to build, resulting in lower costs, more predictable construction schedules, and higher quality buildings. Based on lessons he learned certifying nearly 1,500 dwelling units over the past eight years, Steve Klocke will present the top 10 design mistakes being made repeatedly and how to avoid them.

Presentation and Session Details

C | Integrated Physical Needs Assessments:

What, Why, and How

Location: Salon 2

Jennifer Leone, NYC Housing Preservation & Development

Jordan Dentz, The Levy Partnership

Carl Hourihan, The Levy Partnership

The Integrated Physical Needs Assessment (IPNA) is a property evaluation tool jointly developed and released by the NYC Housing Development Corporation, New York City Department of Housing Preservation and Development, and the New York State Homes and Community Renewal. The tool integrates an evaluation of energy, water, and health needs into a full roof-to-cellar assessment of a property's physical conditions to ensure the holistic needs of the property are addressed. An IPNA is sometimes required by these agencies for participation in multifamily affordable housing financing programs. This session will cover what IPNAs are; why you may need one; how to make them go smoothly; how to interpret and use the results; and potential ties to other NYSEDA programs and State/city requirements. The speakers include Jennifer Leone from NYC HPD who will discuss the intent and mechanics behind the IPNA initiative, and experienced IPNA consultants from The Levy Partnership. Specific topics will also include the IPNA standard, reference standards that the IPNA standard relies upon, who is qualified to perform IPNAs, and what happens after the IPNA is done. Additionally, there will be a demonstration of a new software system designed to make IPNAs more consistent, higher quality, and less costly. This system can also store and provide system and component-level data for ongoing management by portfolio owners.

2:30 p.m.—2:45 p.m. | Break

CONCURRENT SESSIONS | 2:45 p.m.—3:45 p.m.

A | “We Went LED” is not Sufficient: The Place of Lighting in High-Efficiency Programs

Location: Hudson BC

Fred Davis, Fred Davis Corporation

Lighting is lately being slighted in some high-efficiency programs: “just add LEDs” is not sufficient. Ten years into the LED revolution, the technology is still laden with mythology. Energy professionals need facts as currently there is a significant differential in efficacy, around 40%, even among products listed by DLC. This session will review the current status of the most common LED categories as well as assess further savings that can be achieved with smart controls and/or technicians and how to effectively utilize controls to open new pathways in the industry. To the extent time allows, the audience will be invited to share their current best practices with the group.

B | Affordable Passive House

Location: Salon 2

Mark Ginsberg, Curtis + Ginsberg Architects

Crystal Ng, Curtis + Ginsberg Architects

Curtis + Ginsberg Architects is a leader in energy-efficient multifamily affordable housing. The session will show eight examples (five complete at the time of the session) of affordable Passive House (PH) projects, including the largest Affordable PH project in North America. All the projects are in New York City. Design, and construction issues will be discussed.

Topics covered include:

- High-performing building envelopes
- Efficient building system (such as heat pumps) and renewable technologies
- Emerging energy policy and code
- Quantifying and/or monetizing non-energy benefits of energy efficiency

The session will cover design limitations and opportunities, and issues with PH certification. Strategic design systems discussed will include envelope—insulation, air sealing and thermal bridging ERV centralized vs. unitized; and VRF systems and alternatives. The session will highlight lessons learned on what has worked and what has not, and how buildings are performing.

C | Informing Developer’s Decision Making for High Performance Buildings

Location: Salon 1

James Moriarty, Sustainable Comfort, Inc.

Gregg Firster, Baldwin Real Estate

Connor Kenney, Pathstone Corporation

Andrew Consigli, Civico Development

Energy efficiency experts can get caught into the details of why high-performance buildings should be the norm and how much better they can be for the tenants, owners, and the environment. However, for a developer, getting a building to construction is hard enough, let alone adding in the latest in high-performance buildings, which sometimes means newer or less tested technologies. Hear from the developer's perspective on the type of information needed to inform decisions to support low-carbon multifamily buildings, and what may help wider adoption. Hear from affordable housing developers, market-rate developers, as well as an energy efficiency company turned developer on the hurdles and strategies toward low-carbon buildings.

3:45 p.m.—4:00 p.m. | Break

Presentation and Session Details

CONCURRENT SESSIONS | 4:00 p.m.—5:00 p.m.

A | Common Issues with VRF Installations

Location: Hudson BC

Kelly Westby, Steven Winter Associates, Inc.

Variable Refrigerant Flow (VRF) and Variable Refrigerant Volume (VRV) systems have different design and installation considerations than typical split systems. They also have different allowances within some green rating systems. When implementing variable refrigerant systems for mechanical heating and cooling, there are several factors that need to be looked at. This session explores the steps and considerations crucial to avoiding common issues with VRF installations.

B | It's Raining Inside: Moisture Issues in New Multifamily Construction

Location: Salon 1

Carmel Pratt, The Levy Partnership

In the Northeast, the summer of 2018 had above normal precipitation, humidity, and was very warm. For example, precipitation in August 2018 doubled that of 2017 in metro NYC. Many new (<6 years) and under-construction multifamily developments along the Northeast and Mid-Atlantic coast saw a major increase in severe moisture-related issues such as condensation, humidity control, and mold growth on moisture-damaged building materials.

This session will describe the results of investigations the Levy Partnership conducted at project sites to determine the causes and solutions for these issues. It will cover the key environmental causes for moisture-related issues, hygrothermal fundamentals, and most effective mitigation strategies to prevent, control, and remedy moisture-related issues starting with design and continuing through field verification and retro-commissioning.

Case studies will focus primarily on low-rise lightweight multifamily construction with exhaust-only, whole-house mechanical ventilation pursuing ENERGY STAR® and LEED building certifications. Attendees will take away easy-to-follow steps for moisture-conscious design and construction best practices.

Recommendations will cover mechanical systems and building systems design considerations, job site management, and cost-effective implementation and correction methods. The session will be relevant to building owners/developers, general contractors, engineers, architects, building/facility operation/maintenance personnel, energy raters, and other building consulting professionals.

C | The Fairview: Integrated Deep Energy Retrofits & Resiliency in Multifamily Residences

Location: Salon 2

Michael Scorrano, En-Power Group

Jeffrey Glick, Tecogen

This session will be an examination and discussion of the Fairview, a large multifamily residence in Queens, NY, which used the NYSEDA Multifamily Performance Program (MPP) as a springboard for its deep energy retrofit. A deep energy retrofit may seem daunting due to its required capital investment and time. Yet, a holistic, integrated retrofit plan is the key to better building performance and major energy savings. Critically, the building also saw its deep energy retrofit as an opportunity to improve resiliency to extreme weather events by adopting on-site energy generation systems. This session will outline how the Fairview achieved its deep energy retrofit and resiliency goals by covering:

1. How the building's HVAC equipment was modernized to focus on efficiency through the MPP, including the design considerations of eliminating summer steam production and installing high-efficiency equipment in areas with tight access
2. Savings achieved from the MPP, including 23% source energy saved overall and 1,890 tons CO_{2e} eliminated annually
3. How MPP encouraged the property to examine and install further energy saving and resiliency measures, including combined heat and power (CHP) and solar photovoltaic panels
4. The challenges and solutions of installing and integrating CHP and solar PV systems with one another

5:00 p.m.—6:00 p.m. | Cocktail Hour

Location: Grand Multifunction

Continue networking while enjoying lite fare and cocktails.

6:00 p.m.—8:00 p.m. | Dinner

Location: Grand Ballroom

Presentation and Session Details

Wednesday, October 23

8:00 a.m.—9:00 a.m. | Continental Breakfast

Location: Grand Ballroom

9:00 a.m.—9:15 a.m. | Opening Remarks and Welcome

Location: Grand Ballroom

9:15 a.m.—9:45 a.m. | NY State Energy Policy Developments

Location: Grand Ballroom

Greg Hale, NYSERDA

Philip Madnick, Con Ed

Louis Rizzo, National Grid

Aaron Ordower, New York City Mayor's Office of Sustainability

2019 has seen a number of energy developments in New York State. At the State level, the Climate Leadership and Community Protection Act (CLCPA), signed into law July 18, 2019, codifies that New York State reduce its greenhouse gas emissions by 85% by 2050. In New York City, Local Law 97, signed into law on May 18, 2019, requires that any building above 25,000 sf must either meet a greenhouse gas emissions cap by 2024 and 2030, or if the building qualifies as affordable housing, it must implement a set of prescriptive measures. Additionally, Con Ed declared a natural gas moratorium in Westchester where applications for new natural gas connections would no longer be accepted effective as of March 15, 2019. Natural gas constraints have also been observed elsewhere in the State. Receive brief overviews of these energy developments setting the stage for the succeeding panel discussion

9:45 a.m.—10:30 a.m. | Panel Discussion Evolving Energy Policy and Resources for Building Owners

Location: Grand Ballroom

Greg Hale, NYSERDA

Louis Rizzo, National Grid

*Margaux Nguyen, Willdan Energy Solutions
(representing ConEdison)*

Aaron Ordower, New York City Mayor's Office of Sustainability

The energy developments identified in the previous session carry implications for multifamily building owners and developers. While it may be premature to give definitive answers on what compliance looks like, hear from this panel on the impacts of these developments, what steps building owners and developers should take now, and what resources and programs are available at the city, State, and utility levels to provide assistance. This panel will also give their insight on what energy developments may be upcoming that could impact owners and developers.

10:30 a.m.—10:45 a.m. | Break

CONCURRENT SESSIONS | 10:45 a.m.—11:30 a.m.

A | Heat Pump Case Studies

Location: Hudson BC

Scott Smith, NYSERDA

Jon Hacker, Daiken

Zach Fink, GBF Geothermal

Heat pumps are the most efficient HVAC systems available. As the electric grid in New York decarbonizes, heat pump systems will be the primary method for decarbonizing heating in buildings. This session will present information about heat pump installations in new and existing multi-family buildings.

B | Getting Smart Buildings to Work for You

Location: Salon 1

Monica Ridgway, NYSERDA

Samantha Pearce, Bright Power

Pam Slighter, Selfhelp Community Services

Joseph Bohm, Dual Fuel

NYSERDA's Real Time Energy Management (RTEM) Program offers a 30% cost-share incentive to support the implementation of smart building technologies in buildings. RTEM is a cutting-edge technology that continuously sends a building's live and historical performance data to a cloud-based system where it is transformed into actionable insights for property owners and building managers. To date, the RTEM program provided support to 425 projects across the State with annual energy savings ranging from 10 to 30%.

During this session, two NYSERDA RTEM vendors, Bright Power and Dual Fuel, will provide an overview of what an RTEM project looks like for multifamily buildings and present case studies that demonstrate how building owners can leverage smart building technologies to reduce energy and O&M costs while simultaneously enhancing the comfort, health, and productivity of building occupants. The vendors will be joined by the building owners of these projects and NYSERDA will engage the audience in a lively panel discussion.

The session will conclude with providing the audience with clear steps on how they can participate in the NYSERDA RTEM program and implement smart building technologies at their properties.

Presentation and Session Details

C | Beyond the utility bill: Non-energy benefits of high-performance buildings that drive value for owners and tenants

Location: Salon 2
Simona Li, NYSEERDA
Emmelyn Leung, TRC

As the connection between buildings and tenant well-being has become clearer, there has been a shift in the property development market toward more efficient, healthier, and more comfortable buildings, especially in the State. From reduced O&M costs, to smarter technology controls, to more comfortable living spaces, high-performance buildings can bring significant benefits for both property owners and tenants in addition to the traditional energy cost savings. The rise of certifications like WELL and Fitwel have also demonstrated a demand for investing in healthier, more efficient properties. This session will provide a preview of NYSEERDA's developing program for market rate multifamily buildings targeting non-energy benefits from energy efficiency. There will be a walk-through of the current program design and an opportunity to hear about how to participate.

11:30 a.m.–11:45 a.m. | Break

CONCURRENT SESSIONS | 11:45 a.m.–12:30 p.m.

A | Multifamily EVSE Installation 101

Location: Hudson BC
Jason Zimble, NYSEERDA
David McCabe, NYSEERDA

This session discusses things to consider when planning or deciding if electric vehicle supply equipment (EVSE) installations at your location are appropriate. The benefits of providing charging for electric vehicles (EV), guidance for installations at both new and existing buildings, and possible funding opportunities that may be available to you will be presented. You will also hear from expert practitioners (installers, building owners, etc.) who have many years of experience working with EVs and EVSEs.

B | New Efficiency New York and Affordable Multifamily Housing

Location: Salon 1
Christopher Coll, NYSEERDA
Carolyn Scibelli, National Grid
Lindsay O'Neill-Caffrey, Con Edison

In December 2018, the Public Service Commission issued an Order Adopting Accelerated Energy Efficiency Targets, increasing the utility investment in energy efficiency and requiring the development of a statewide low- to moderate-income (LMI) portfolio to include consideration for increasing the impact of NYSEERDA and utility investments in the LMI market segment, with an emphasis on the affordable multifamily market segment.

Join this session for an update on the LMI portfolio under New Efficiency New York and to discuss opportunities to increase the adoption of clean energy solutions in affordable multifamily housing.

C | Finance Tools To Get Your Project Done

Location: Salon 2
Posie Constable, NYCEEC
Robert Fischman, Energize NY

Your energy contractor/engineer has given you a project scope and projected energy savings to enable your building to cut operating costs and meet compliance requirements. What are the best tools to meet the capital cost of the project? During this session you will learn:

- The benefits of equipment loans, PPAs, and PACE
- Navigating consent with existing mortgage lenders
- Understanding contractor draw schedules

12:30 p.m.–1:30 p.m. | Lunch

Location: Grand Ballroom

Presentation and Session Details

CONCURRENT SESSIONS | 1:30 p.m.—3:30 p.m.

A | Solutions for Buildings in Gas Constrained Areas 1:30 p.m.—2:30 p.m.

Location: Salon 1

Tim Weber, Diverso

James Dolan, Energy Engineering Services

Joseph Bohm, Dual Fuel

Michael Reed, NYSERDA

Before the Climate Leadership and Community Protection Act was passed in the State earlier this year, natural gas has for years been considered a low-carbon and generally cost-effective alternative to fuel oil for heating. Many existing buildings have converted from oil to natural gas to address heating needs. Additionally, new construction almost always selects firm natural gas as the heating fuel source. These developments have driven up demand to the point where in some regions, demand is outpacing supply on the coldest days resulting in natural gas constraints. In Southern Westchester, for instance, Con Ed issued a moratorium that went into effect March 15, 2019 that no new applications for firm natural gas connections would be accepted. Elsewhere in New York State, access to natural gas is not currently possible due to limitations in infrastructure. In light of these gas constraints, what alternatives are available to building owners and developers? What are the implications in pursuing these alternatives? This session discusses resources and solutions available to buildings in gas constrained areas.

B | Heat Pump Installation Issues in Existing Residential Buildings: Impact on Training of Contractors 1:30 p.m.—3:30 p.m.

Location: Salon 2

Dave Hepinstall, Association for Energy Affordability

Francis Rodriguez, Association for Energy Affordability

Robert Inderwies, Ferguson HVAC

Implementing “Beneficial Electrification” has become a high priority in existing residential buildings in New York. Understanding the ingredients of quality installation of cold climate heat pumps is a key to success. Ensuring that all the players involved in the process from design and sales through installation, inspection, operation and customer acceptance presents training challenges and opportunities. This sessions’ presenters have had direct experience with implementation issues faced by these diverse players. They will share their experiences and lead a conversation with the attendees on future directions. The session will answer the following questions:

1. What are some of the key design challenges faced in a small home and multifamily building settings?
2. What are the primary challenges to quality installation of cold climate ASHP in various building types?
3. What are some sales strategies that can be effective in bringing this technology to market on a broad scale?
4. What are some of the key training needs and opportunities for the HVAC and Home Performance contractor communities?

Presenter Biographies

Joseph Bohm

Dual Fuel, Founder and CEO

Joseph is the founder and CEO of Dual Fuel, a New York-based energy services company that specializes in boiler installations, oil to gas conversions, combined heat and power systems (CHP), heating controls, boiler monitoring, energy retrofits, and 24/7 emergency service to multifamily and commercial buildings. Prior to founding Dual Fuel in 2012, Joseph was a vice president at Societe Generale Energie Corp, responsible for business development of North American natural gas markets across the western United States.

Lee Butler

NYSERDA, Project Manager, Multifamily Residential

Lee has worked as a project manager at NYSEERDA since 2002. Lee's current responsibilities focus on multifamily energy efficiency programs, the Emerging Technology and Accelerated Commercialization Program for Multifamily, and development of the Clean Energy Fund Multifamily Provider Network. Lee also worked extensively on building technician workforce development for energy efficiency and renewable technologies. Additionally, Lee has experience with NYSEERDA's Home Performance program. Prior experience includes performance contracting; sale of temperature control and HVAC service agreements, energy management systems, and comprehensive energy conservation projects for a major controls manufacturer; small business energy audits for the New York State Energy Office; and design and sales of home heating/air conditioning systems.

Brian Cabezas

NYSERDA, Senior Project Manager, Multifamily Residential

Brian oversees the Multifamily Performance Program. In this role, he is working to make multifamily buildings more energy efficient. Prior to NYSEERDA, Brian worked in New York City's municipal operations managing an energy efficiency program to reduce the City's overall greenhouse gas emissions. Additionally, Brian worked at a clean energy start-up managing cleantech and distributed energy resource market development with a focus on the U.S. Northeast region. Brian has experience in energy efficiency program process, measurement and verification, investment analysis, and program evaluation.

Loic Chappoz

NYSERDA, Program Manager, Multifamily Residential

Loic leads NYSEERDA's Multifamily team, focusing on improving the efficiency of existing residential buildings across the State. Prior to his work with NYSEERDA, Loic worked as an independent consultant on energy efficiency policies in Europe, a fuel efficiency expert in the airline industry, and a commercial pilot.

Christopher Coll

NYSERDA, Director, Low-to Moderate-Income

Chris is a program director and team lead for the low-to moderate-income (LMI) team at NYSEERDA, which is responsible for developing strategy, proposing policy, administering programs, and coordinating across all sector areas within NYSEERDA and with various State organizations to streamline and improve the effectiveness of energy service delivery to LMI households. Chris holds a Bachelor of Arts in political science from SUNY New Paltz in addition to a Master of Arts in public affairs and policy from the Rockefeller College of Public Affairs and Policy at SUNY Albany.

Andrew Consigli

Civico Development, Managing Member

Andrew is the managing member of CIVICO and oversees the work and direction with special emphasis on investment opportunities, planning, design, and permitting. He has directly overseen a wide variety of complex mixed income, mixed use development projects; locally, nationally, and internationally.

Posie Constable

NYCEEC, Director of Business Development

Posie heads NYCEEC's efforts with building owners and project developers to finance efficient lighting retrofits, cogeneration, conversion of heating systems to cleaner fuels, renewables and demand response, and other measures in commercial, healthcare, and multifamily residential properties in NYC, New York State, and NYCEEC's seven state lending region.

Posie uses her 30 years of experience on Wall Street to create financial products that help properties comply more rapidly with NYC's building laws. She is eagerly awaiting the launch of NYC's NYCEEC-administered open C-PACE program and to ramping up C-PACE loans through Energize NY's program.

Posie holds an MBA in finance from Fordham University and is a graduate of University of Colorado, Boulder (Asian Studies). She received her certificate in landscape design from the New York Botanical Gardens. You may find her harnessing wind energy on a kiteboard or harnessing solar while cultivating salad greens on her NYC terrace.

Presenter Biographies

Fred Davis

Fred Davis Corporation, President

A leader in efficient lighting, Fred has been professionally involved in energy conservation since 1977. President of Fred Davis Corporation, wholesale supplier of efficient lighting products since 1983 and is active in multifamily, weatherization, and municipal markets nationwide. Fred has presented on energy-efficient lighting and writes about developments in energy-efficient lighting in the company blog, The Lightening Volt. Text LIGHTVOLT to 22828 to join the mailing list.

Jordan Dentz

The Levy Partnership, Vice President

Jordan is vice president of The Levy Partnership. He has more than 20 years of experience as a consultant and technical advisor to the building industry, including architects, developers, contractors, builders, and building materials manufacturers and suppliers. He led numerous building energy research and demonstration projects for State and federal agencies. Currently, much of his work focuses on beneficial building electrification, including heat pump retrofits. Jordan led one of the NYSERDA Retrofit NY teams and looks forward to scaling up that work. He holds a M.S. in building technology and a B.S. in architecture, both from the Massachusetts Institute of Technology.

James Dolan P.E., CEM, CPMP, LEED AP

Principal-in-Charge of Energy Engineering Services

Jim's accumulation of education and experience as an engineer, in commissioning, energy analysis and design, spans over 29 years, and in that time he has delivered many projects recognized for their environmental consciousness. He speaks frequently to organizations such as ASHRAE, NYSPE, AIA, and many universities throughout the region.

Ben Falber

NYSERDA, Senior Project Manager, Energy Storage

Ben manages NYSERDA's Retail Energy Storage Incentive Program, which provides incentives for storage systems up to five megawatts. He also leads the team's technical assistance work. This includes FlexTech feasibility studies, consultations, and digital resources on the storage market. Prior to joining NYSERDA, Ben practiced as an energy attorney.

Lucy Fan

Peak Power, Business Development Manager

Lucy manages Peak Power's business development efforts in new markets, with a focus on helping buildings rein in energy expenses with real time energy management and energy storage. Lucy leverages years of experience in energy infrastructure investing and power markets consulting.

Adele Ferranti

NYSERDA, Program Manager, Workforce Development and Training

Adele currently serves as the Team Lead for NYSERDA's \$70 million workforce development and training initiatives targeting existing and emerging workers in all sectors. Prior to her current position, she was a Sr. project manager in NYSERDA's R&D group for over 15 years where she started NYSERDA's photovoltaic (PV) and wind training programs and NYSERDA's PV incentive program. Adele has a B.S. in Biology from SUNY Geneseo, M.S. in Environmental Science from SUNY School of Environmental Science and Forestry, and a M.P.A. from the Maxwell School of Citizenship and Public Affairs, Syracuse University.

Zachary Fink

ZBF Geothermal, LLC, Owner and Lead Designer

Zachary is the owner and lead geothermal designer for ZBF Geothermal, LLC. At ZBF Geothermal, Zach specializes on designing and installing high-performance geothermal heating and cooling systems. He consulted on, designed, and installed projects ranging from 1,500 square foot residential homes to 11 story buildings in New York City. Over the past 11 years, Zach has been involved in the installation of thousands of tons of geothermal heating and cooling in NY Metro Area. Zach is both an IGSHPA accredited installer and trainer. He helped to found both New York State based geothermal trade associations, NY-GEO, and its predecessor LI-GEO.

Robert Fischman

Energize NY, Director: PACE Compliance

Robert is the technical lead for the Energize NY Open C-PACE finance program, guiding owners, lenders, consultants and contractors in implementing sustainable clean energy solutions for buildings. Robert holds a Bachelor of Science in Civil Engineering from Union College and a Master of Science in Sustainability Management from Columbia University.

Presenter Biographies

Luke Forster

NYSERDA, Senior Project Manager, NY-Sun

Luke is the business analyst for NYSERDA's Distributed Energy Resources (DER) team, with a focus on solar photovoltaics and energy storage. He has a decade of experience in New York State's PV industry and worked in the private sector before joining NYSERDA seven years ago. Luke is a resource for DER policy knowledge, including the Value Stack compensation tariff.

Yetsuh Frank

Building Energy Exchange, Managing Director of Strategy and Programs

Yetsuh is the managing director of Strategy and Programs for the Building Energy Exchange (BE-Ex), an independent nonprofit that connects the real estate and design communities to building energy and lighting efficiency solutions.

An architect and educator, Yetsuh has more than 20 years of experience in green building and sustainability. Prior to BE-Ex, Yetsuh was the director of programs at Urban Green Council. Yetsuh is an adjunct associate professor at New York University's department of Urban Design and Architecture Studies.

Yetsuh chaired the LEED 2009 Regionalization Task Force for the Northeast Corridor Region, has been a LEED Subject Matter Expert, and is a member of the USGBC Core Team. He was selected in 2007 by the Climate Project to be among the 1000 volunteers trained by Al Gore to present "The Inconvenient Truth" slideshow on the global climate crisis.

Yetsuh received his Bachelor of Architecture from the University of Oregon in 1995.

Mark Ginsberg FAIA, LEED AP

Curtis + Ginsberg Architects, Partner

Mark, partner at Curtis + Ginsberg Architects, has more than 30 years of experience in planning, urban design, institutional, and housing projects. He holds a Master of Architecture degree from the University of Pennsylvania and a Bachelor of Arts from Wesleyan University.

Jeffrey Glick

Tecogen, Vice President of Sales

As the vice president of sales and head of Eastern Operations, Jeff has been at Tecogen for 20 years, and his primary responsibilities include managing all training-related activities for the engineering community and marketing their cogeneration and chiller product lines. Prior to Tecogen, Jeff worked as thermal design engineer and project engineer in the petrochemical industry.

Jon Hacker

Daikin, Senior Energy Efficiency Business Development Manager

Jon is Daikin's energy efficiency business development manager. Jon is driven to develop new partnerships, strategies, and technologies that support the electrification and decarbonization of our buildings and homes. Jon has more than 10 years of experience administering C&I energy efficiency programs, launching innovative energy efficiency pilots, and providing strategic energy management consulting services. He has a bachelor's and master's in mechanical engineering from Stony Brook University, is a LEED AP, and Certified Energy Manager.

Greg Hale

NYSERDA, Senior Advisor for Energy Efficiency Markets, Market Development

In his position as Senior Advisor for Energy Efficiency Markets and Finance at NYSERDA, Greg is leading NYSERDA's creation of a policy roadmap to achieve a statewide carbon neutral building stock. This work includes strategic co-leadership for RetrofitNY, an initiative aimed at developing scalable net zero energy retrofit solutions for New York's multifamily housing stock.

Dave Hepinstall

Association for Energy Affordability, Executive Director

David has been executive director of the Association for Energy Affordability, Inc. (AEA) in New York City since 1993. Under his leadership, AEA has become a national not-for-profit training, technical support, and energy services organization supporting energy efficiency upgrades in buildings. With expertise in multifamily building energy efficiency, public program design, and research, Hepinstall designed and managed research, demonstration, training, capacity building, technology development, and deployment programs that increase energy efficiency in existing buildings, provide design services for new green construction, and promote community development. He led AEA in its roles as program implementer for a variety of government and utility energy efficiency programs, has served on State and NYC policy advisory bodies, and received several national leadership awards, and is a founding board member and past board chair of the Building Performance Institute (BPI). He also played a lead role establishing AEA as a U.S. Department of Energy recognized National Weatherization Training Center, an IREC accredited training provider, developer of AEA's Passive House Tradesperson training facility in the Bronx, and has been involved directly in working with State HCR and local WAP subgrantees in implementing the DOE-approved "variance" strategy in carrying out ASHRAE 62.2 requirements in stacked units in multifamily buildings undergoing weatherization.

Presenter Biographies

Carl Hourihan

The Levy Partnership, Multifamily Building Analyst

Carl is a multifamily building analyst and an AEE certified energy manager in training with four years of experience in renewable energy, green infrastructure, and building energy efficiency. He leads TLP's Integrated Physical Need Assessment work, where he completed dozens of projects from three-unit buildings to high-rises. Carl also provides supporting engineering services for building performance testing and measurement and verification of energy efficiency measures. He holds a B.A in mechanical engineering from Hampshire College.

Atalia Howe

The Community Preservation Corporation, Manager of Sustainability Programs

Atalia is the manager of sustainability programs at The Community Preservation Corporation (CPC). There she supports CPC's role as an energy efficiency financing leader and strategic partner to both public and private organizations to drive market adoption of sustainable building design. Prior to joining CPC, Atalia was a sustainability manager at EcoAct, a sustainability consultancy, where she worked with businesses to develop and implement innovative carbon neutral strategies. Atalia has a Master of Science in economic development / environmental economics and a Bachelor of Arts in international relations.

Connor Kenney, MSRED

Pathstone Corporation, Real Estate Developer

Connor is a real estate developer at PathStone Corporation. He is responsible for overseeing all tasks associated with the development of affordable rental housing throughout PathStone's geographic footprint. That includes site selection, feasibility analysis, securing local approvals and financing, and overseeing construction, marketing, and lease-up.

Steve Klocke

Steven Winter Associates, Inc., Senior Sustainability Consultant

Steve is a senior sustainability consultant at Steven Winter Associates, Inc. specializing in LEED for Homes and ENERGY STAR® certifications for affordable multifamily buildings. His 18+ years of experience provided an understanding of what does or does not work in the design, construction, and occupation of residential buildings. Steve is a LEED for Homes Green Rater, HERS rater, and registered architect.

Jim Leahy

DNV GL, Senior Consultant

As a senior consultant for DNV GL, Jim specializes in strategic planning for clients on issues relating to energy efficiency, renewable energy resources and resilience. Jim is a professional civil engineer registered by the State of California who has worked with utilities, government entities and building owners across the country. He has led multi-disciplinary teams in the development of statewide energy baseline studies, energy master plans, portfolio resilience assessments. In his role as service line lead, he oversees the development of special, internal innovation projects, including the development of B-READY, DNV GL's building resilience assessment tool, and a web-based GIS platform for assessing climate-related risks to infrastructure and building assets.

Jennifer Leone

NYC Department of Housing Preservation and Development, Chief Sustainability Officer

Jennifer Bloom, AIA, is a registered architect that has practiced as an architect, contractor and sustainable design professional for more than 20 years. She is currently the chief sustainability officer at HPD, New York City's Department of Housing Preservation and Development, where she is responsible for setting policy and ensuring compliance for New York City's affordable housing projects. She holds a B.A. in environmental design from the University of Pennsylvania, an M.A. from Yale University, and an M.S. in sustainability from the City College of New York.

Presenter Biographies

Emmelyn Leung

TRC, Associate Project Manager

Emmelyn provides extensive programmatic oversight of high-performance new construction projects in the Multifamily Performance Program and provides research and design support for multifamily program development. Emmelyn offers frequent guidance to program partners and stakeholders to ensure projects achieve targeted energy savings and comply with the program. She also supports research efforts in assessing the co-benefits of energy savings in multifamily buildings. Emmelyn holds a B.A. in Environmental Studies from Bates College and an M.P.A. in Environmental Science and Policy from Columbia University.

Simonne (Simona) Li

NYSERDA, Senior Project Manager, Multifamily Residential

As a senior project manager on the Multifamily team at NYSERDA, Simona currently works on developing strategies and designing programs to support deep retrofit implementation and capital planning in existing multifamily buildings. Her work includes figuring out how to evaluate and quantify non-energy benefits such as comfort and well-being to build market awareness of and confidence in other sources of value for deep retrofit projects beyond energy cost savings.

Prior to joining NYSERDA, Simona worked on international energy and climate initiatives while at the White House Office of Science and Technology Policy and U.S. Department of State. Simona holds a B.A. in Chemistry and a Master in Public Affairs from Princeton University.

Phil Madnick

Con Edison, Program Operations Manager

Phil is a program operations manager within Consolidated Edison's Non-Pipeline Alternatives group. He oversees a portfolio of gas energy efficiency programs for both residential and commercial customers as well as several new peak gas demand initiatives currently under development. Phil has a graduate degree in mechanical engineering from NYU and has more than 10 years of experience working in the energy efficiency industry.

David McCabe

NYSERDA, Assistant Project Manager, Clean Transportation

Dave has worked in NYSERDA's Clean Transportation Program for more than 16 years covering programs ranging from alternative fueled vehicles to associated infrastructure. Dave's focus recently has been on electric vehicles (EVs) and electric vehicle supply equipment (EVSE), and he currently manages NYSERDA's Drive Clean Rebate Program for EV incentives and the Charge Ready NY Program for EVSE incentives.

James Moriarty

Sustainable Comfort, Inc., Vice President

James has been a practicing energy engineer and green building consultant for more than 8 years. James consults with architects and developers on energy-efficient design strategies and performs verification of green building and energy efficiency programs for new construction, existing buildings, and substantial and historic rehabs.

Crystal Ng

Curtis + Ginsberg Architects LLP, Associate

Crystal has sustainability and resilience experience ranging from master planning to construction administration on multifamily, mixed-use, and retail projects. Crystal leads several of C+GA's Passive House/LEED projects and works closely with consultant and contractor on details to achieve higher levels of building performance.

Margaux Nguyen

Willdan Group, Program Manager

Margaux is the program manager at Willdan for the ConEdison Multifamily Energy Efficiency Program. Ms. Nguyen has more than seven years of experience with various New York State, City, and utility energy efficiency programs. She holds a B.S. in business management and environmental studies from the University of California in Santa Cruz, and an M.P.A. in environmental science and policy from Columbia University.

Presenter Biographies

Aaron Odower

*New York City Mayor's Office of Sustainability,
Assistant Director*

Aaron works on policy development and technical assistance programs related to energy efficiency and clean energy finance. He leads a team of policy advisors who manage New York City's programs to support private building owners in completing energy retrofits: The Carbon Challenge, Retrofit Accelerator, and Community Retrofit NYC. He is particularly engaged in new policy development promoting deep energy retrofits, building electrification, and clean energy solutions for LMI communities. He also oversees the City's efforts to establish a Property Assessed Clean Energy (PACE) program, expected to launch in 2019.

Prior to joining the mayor's office, Aaron was program coordinator for the NYC Department of Housing Preservation and Development's Green Housing Preservation Program—a first of its kind affordable housing program targeting energy efficiency and water conservation. Earlier in his career, he worked on sustainable development investment loans and technical assistance projects in Latin America with the World Bank.

Aaron holds a B.A. from UC Berkeley and a master's in urban and regional planning from UCLA.

Lindsay O'Neill-Caffrey

Con Edison, Non-Wires Solutions Manager

Lindsay is the non-wires solutions manager at Con Edison in Customer Energy Solutions. She holds a B.A. in Environmental Planning and Political Science from Binghamton University and an M.S in Environmental Policy and Sustainability Management from The New School.

Samantha Pearce

Director of Energy Management Services, Bright Power

Samantha helps building owners, managers, and operators reduce operations costs through a targeted approach using training, remote monitoring, and technical support. Prior to joining Bright Power, Samantha managed facilities operations and energy performance, provided technical coordination, and developed a technical service program and The Green Capital Needs Assessments (GCNA).

Carmel Pratt

The Levy Partnership, Director of Sustainability Services

Carmel directs the sustainability services team of The Levy Partnership, Inc. (TLP), a research and consulting firm that, for more than 35 years, has been specializing in building performance and energy efficiency. She is a consultant and technical advisor to the building industry, focusing in the areas of affordable housing, net zero/green building certification/verification, and building forensics/diagnostics.

Michael Reed

NYSERDA, Program Manager, Advanced Efficiency Solutions

Michael helps lead NYSERDA's work supporting market adoption of energy management technologies and services in the commercial, institutional, multifamily and industrial sectors. Prior to joining NYSERDA, Michael was Vice President of Programs at Groundswell, a clean energy and energy efficiency project developer.

Dan Reiber

NMIC, Weatherization Director

Daniel is a native New Yorker with 31 years of experience working in the field of energy efficiency. In 1988, he began by performing energy audits and was a construction manager in multifamily buildings for the Weatherization Department of New York City Housing Preservation and Development's Energy Conservation Division. Since 1993, Daniel serves as the weatherization director at Northern Manhattan Improvement Corporation (NMIC). In that capacity, he continues conducting energy audits and construction management for the Weatherization Assistance Program at NMIC. Dan is also an active board member of the Association for Energy Affordability (AEA) for the last 22 years, certified as an EPA lead paint supervisor, and has a B.A. degree from The State University of New York at Stony Brook. Dan has presented at past ACI/HPC conferences, National and Regional WAP conferences, NESEA Boston / NYC, and at each of the Multifamily Conferences held in NYC and Chicago.

Presenter Biographies

Monica Ridgway

NYSERDA, Project Manager, Advanced Efficiency Solutions

Monica helps design and manage initiatives under the Advanced Efficiency Solutions Team at NYSERDA, including the RTEM program. Monica previously worked at Radiator Labs, where she managed product installations in buildings. She also ran innovation and research programs at C40 Cities Climate Leadership Group and Ecologic Institute in Berlin, Germany.

Louis Rizzo

National Grid, Manager of NYS Energy Efficiency Programs Operations

Louis is the manager of National Grid NYS Energy Efficiency Residential Programs Operations Team. In his current role, he manages a department of professional individuals who implement the National Grid State residential and multifamily energy efficiency programs that have a cumulative budget of \$130 million dollars. The programs they offer provide various incentives and services for heating customers in New York City, Long Island, and Upstate service regions. His team also manages lighting programs in Upstate service regions. In his prior roles, he was the manager of community and customer management, whose primary function was to manage key NYC Agencies, NYCHA, and service work with mayor's office Build it Back program. Louis also held various management and lead roles within the energy efficiency, customer marketing and growth, gas growth division, and business development within National Grid and legacy companies. He also serves on the advisory board of Building Energy Exchange, Brooklyn Borough Renewable and Sustainable Energy Taskforce (RESET), NYSERDA C/I Coordinator taskforce and member of ASHRAE, CEE as well as a host of other energy trade organizations. He holds a master's degree in business administration from Adelphi University, and Bachelor of Science from St. John's University.

Francis Rodriguez

Association for Energy Affordability, Weatherization Director

Francis has 19 years of energy management experience as a weatherization director, performing outreach and negotiating with owners, conducting or securing audits, preparing work scopes, bid specs, performing construction procurement and oversight, preparing program budgets and reports. He assists building owners to leverage funding where appropriate from NYSERDA's Multifamily Performance, Utility Programs, EmPower, or Home Performance with ENERGY STAR® programs.

Francis also manages AEA staff installing air sealing measures and heating controls under utility energy efficiency programs and NYSERDA's Home Performance Program, as well as those performing or delivering technical assistance to contractors for advanced air sealing work in Passive House projects.

Carolyn Scibelli

NYC and LI Residential and Multifamily Energy Programs, Senior Program Manager

Carolyn is the senior program manager for NYC/LI Residential and Multifamily Energy Programs for National Grid. Previously she worked for Lockheed Martin as the Residential Energy Affordability Partnership (REAP) Program Coordinator for PSEG Long Island.

Michael Scorrano

EN-POWER GROUP, Managing Director and Founder

Michael is the managing director and founder of EN-POWER GROUP. With more than 25 years of experience in both the generation and end-use sides of the energy industry, Michael founded EN POWER as an engineering firm that designs, develops, and delivers comprehensive energy solutions from concept to completion for any building.

Ian Shapiro

Taitem Engineering, Senior Engineer

Ian founded Taitem in 1989. He is the author of two books has published several articles in the energy field. Ian has been a visiting lecturer at Cornell University and local colleges. He holds a bachelor's from McGill and a master's from Columbia, both in mechanical engineering.

Presenter Biographies

Pam Slighter, LEED AP

Selfhelp Community Services, Operations Coordinator

Pam coordinates building operations, energy performance, and sustainability for Selfhelp's residential and commercial properties.

She has conducted affordable housing development, been an estimator and project manager for a large commercial construction company, and managed complex new construction and major renovations for architects and as an owner's representative.

Scott Smith

NYSERDA, Program Manager, Clean Heating and Cooling

Scott is a member of NYSERDA's Clean Heating and Cooling team. He is currently focused on responding to the State's growing gas moratoria and managing Clean Heating and Cooling Community Campaigns while helping grow New York's heat pump workforce. He has a bachelor's degree in chemical engineering from Worcester Polytechnic Institute and a master's degree in chemical engineering from the University of Oklahoma.

Tim Weber

Diverso Energy, Co-Founder and CEO

Tim is the co-founder and CEO of Diverso Energy North America's leading geothermal utility provider. Tim spent 25 years in the HVAC industry, 13 of those years have been focused exclusively on geothermal. Diverso Energy, which offers a unique geothermal utility model for institutional, office, and multifamily buildings. Diverso Energy builds, owns, and operates the geothermal system allowing clients to leverage the benefits of geothermal without the financial or operating risks associated with the technology. The Diverso Energy ownership team worked with hundreds of clients many in high-density urban environments helping them navigate the financial and technical barriers that have historically hindered the execution of geothermal technology.

Kelly Westby

Steve Winters Associates, Inc., Commissioning Director

Kelly is the commissioning director at SWA. With a wide range of experience in building science, commissioning, and energy efficiency retrofitting, she has completed energy audits on millions of square feet of existing buildings. Ms. Westby's work also includes site inspections and energy modeling.

Dean Zias

NYSERDA, Project Manager, Multifamily Residential

As a project manager for NYSERDA's Multifamily Energy Performance Portfolio (MEPP), Dean helps multifamily building owners and condo and co-op governing boards tackle the challenges of reducing their energy use through the Multifamily Performance Program, and advanced submetering technology. Dean has served hundreds of buildings throughout the State that have benefited from MEPP's suite of New Construction and Existing Buildings Programs. He has helped owners, managers, and boards in New York State participate in multifamily energy efficiency programs that provide incentives to make the installation of measures—and other energy efficiency upgrades—more affordable.

In addition to being well versed in multifamily energy efficiency practices, Dean is also involved in the Oil Monitoring Pilot, designed to more closely capture oil-fired energy heating plants' efficiency through real-time weather-normalized data analysis.

Prior to coming to NYSERDA, Dean was the first EnergySmart Communities Outreach Coordinator for New York City. Before that, he worked as an urban planner and professor at Pratt Institute.

Jason Zimble

NYSERDA, Project Manager, Clean Transportation

Jason is a project manager in NYSERDA's Clean Transportation group, overseeing EV initiatives and utility interactions related to the electrification of transport. He performs policy and market research on sector initiatives, including electric vehicle charging station infrastructure, shared, connected, and automated vehicles as well as smart mobility programs. Jason earned a master's in public administration at Columbia, with a concentration in clean energy policy.

Thank you to the 2019 Exhibitors

Please make sure to visit our exhibitors during the networking breaks.

Energy Resources USA

G.S. Dunham, LLC

Heat-Timer Corporation

Intellastar

Legend Power® Systems

Minotair Ventilation Inc.

Mitsubishi Electric Trane HVAC US LLC

PlugIn Stations Online LLC

Quadlogic Controls Corporation

Sustainable Comfort Inc.

SWTCH Energy Inc.

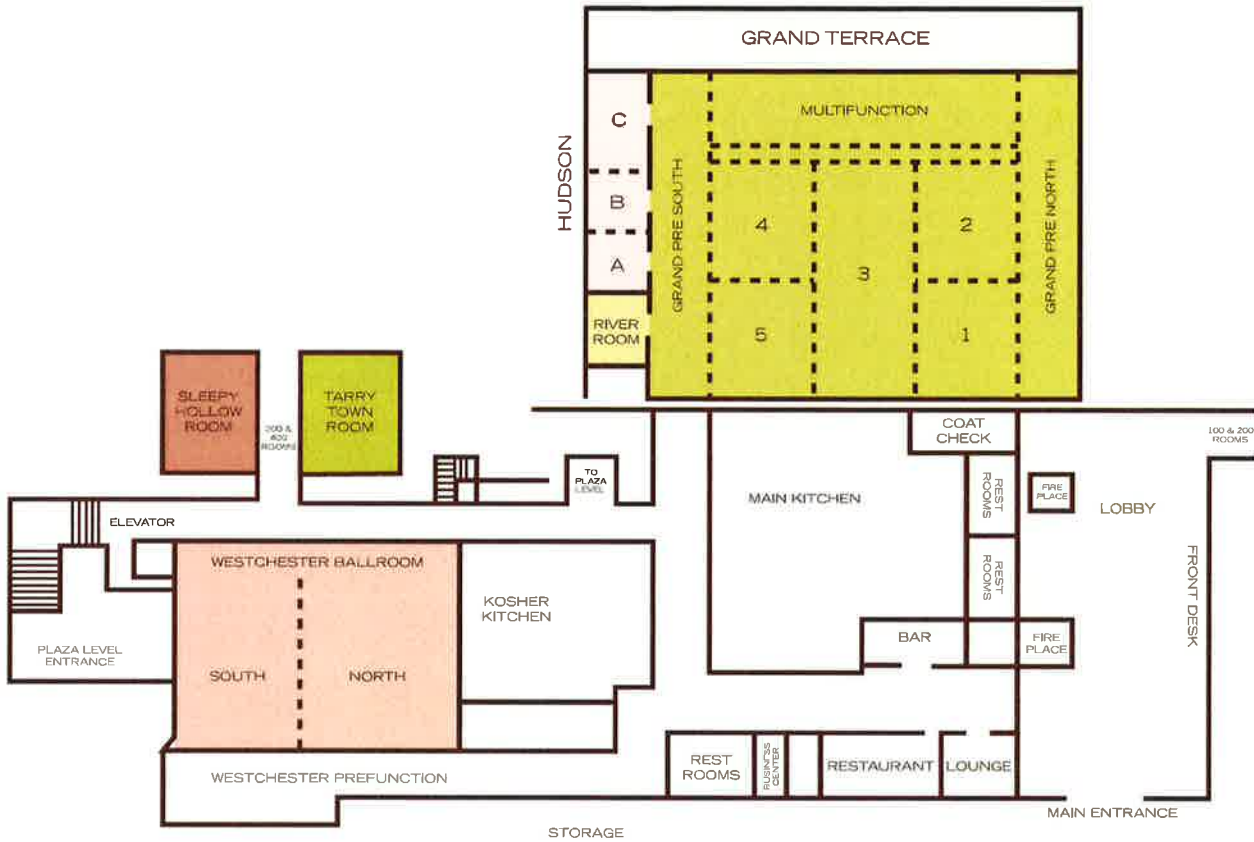
WexEnergy LLC

XYZ Studio

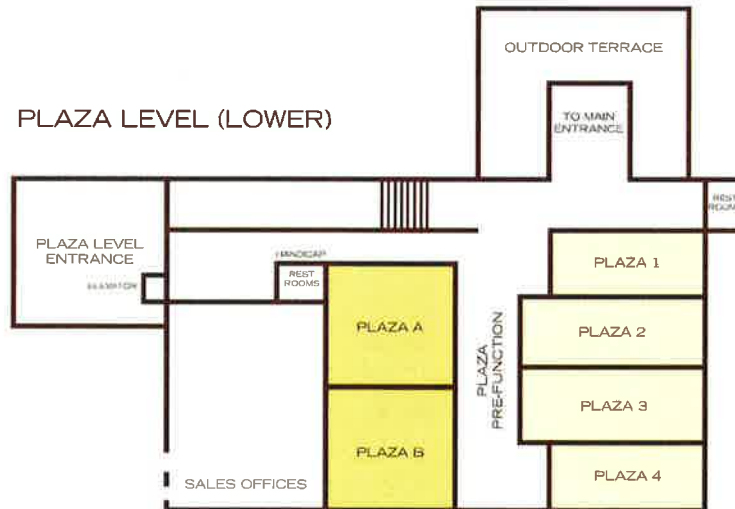
BlueGreen Alliance

Summit Map

MAIN LEVEL



PLAZA LEVEL (LOWER)



NYSERDA, a public benefit corporation, offers objective information and analysis, innovative programs, technical expertise, and support to help New Yorkers increase energy efficiency, save money, use renewable energy, and reduce reliance on fossil fuels.