

URBAN
GREEN



Annual
Report
2016



Dear Friends,

It's a great time to be in the city.

As we look back on 2016, we recognize our good fortune to live and work in one of the world's centers of green building innovation and progress. Year in and year out, we make steady advancement toward healthier air and more efficient buildings.

In 2016, we found ourselves circling back to some of our most important legislative achievements, updating and extending the city's foundational green building laws. In the spring, the city's green building requirements got an overhaul. Now, city-owned new buildings can use only **half** the energy typical of their type. Later, it was time to expand the *Greener, Greater Buildings Plan* to more buildings and spaces.

We fulfilled Urban Green's pledge to our members when *GGBP* was first enacted in 2011, working with others to ensure that by the end of 2017 utilities will automatically upload building electricity information for benchmarking. This will save over 25,000 properties from having to do so manually—and ensure a more accurate set of data.

Through a partnership with the Real Estate Board of New York, we taught *GPRO Operations & Maintenance Essentials* to 600 property managers and operators. Over 90 percent of participants say they would recommend the course to a colleague. This impacted millions of square feet of real estate and the thousands of people who live and work in these buildings. We also trained over 2,000 architects and engineers on the new, more stringent NY State energy code. They were just as pleased with the course as our O&M students.

And we know our efforts are working. Public data that our research team crunched for NYC's annual energy report shows that energy use in large buildings declined 6 percent over four years.

It continues to be an exciting and critical period for cities and the green building movement. Urban Green Council has been a steady force for 15 years now. With your continued advice and support, we promise to continue delivering world-class environmental progress every year.

Sincerely,



Scott Frank
Board Chair



Russell Unger
Executive Director



SCOTT FRANK
Board Chair



RUSSELL UNGER
Executive Director

OUR STRATEGIC PLAN

The realities of climate change require dramatic and immediate shifts in how we design and use buildings throughout the city. Urban Green is laser-focused on helping New York City achieve an 80 percent carbon reduction by 2050. Our plan, which is guiding our activities over the next three years, prioritizes five key strategies. In 2016, we made significant progress in advancing each of these goals:

-  Engage and mobilize market makers
-  Drive demand for super-efficient buildings
-  Bring the retrofit market to scale
-  Advance sustainable building policy
-  Educate building professionals

Our mission is to transform New York City buildings for a sustainable future.



DRIVE DEMAND FOR SUPER-EFFICIENT BUILDINGS

The *NYC Energy and Water Use Report* is the most comprehensive look at NYC building performance to date. Downloaded over 1,300 times, the report laid out the areas in which energy savings have been made and provides a data-driven foundation to reach 80 percent reductions by 2050.



ADVANCE SUSTAINABLE BUILDING POLICY

Last year, we helped pass Local Laws 31 and 32, which strengthened existing sustainability requirements and introduced new measures to make NYC-owned buildings among the most efficient in the country.



EDUCATE BUILDING PROFESSIONALS

In 2016, we trained 3,416 building professionals—the most we've trained in a single year—in sustainability practices that will help them better design, construct and operate energy-efficient buildings.



ENGAGE AND MOBILIZE MARKET MAKERS

Urban Green Council brings together leading industry and environmental organizations to cut building energy use and meet 2050 carbon reduction targets.

ENGAGING THE COMMERCIAL SECTOR: MAKING OFFICES SUSTAINABLE

Our annual conference on October 19, **HQ2050**, explored how to design, build, retrofit and run commercial offices for a low-carbon future. Commercial buildings make up roughly 15 percent of citywide floor area and account for over a quarter of our greenhouse gas emissions.

Achieving HQ2050 will require a concerted effort from landlords and tenants, with the latter representing as much as 60 percent of energy use in a typical commercial office building.

As Jonathan Flaherty (Tishman Speyer) noted, “The EPA needs to collect individual tenant data, which is difficult, because there are so many ways things can end up on either side of the meter.”

On the design side, John Gilbert (Rudin) capped off the conference by heralding the advent of more intelligent building management systems to apply a wealth of data toward energy and cost savings. Gilbert alluded to 55 Broad Street—Urban Green’s new home—as the “grandfather of

smart buildings,” an ideal base as we continue to engage the Urban Green community in making HQ2050 a reality in the years ahead.

We would like to thank Pelli Clarke Pelli Architects and JLL for their contributions to the research on how super-efficient design can be incorporated into office spaces.



“While there are a lot of questions about how to isolate the benefits of energy efficiency, it’s clear in general that green-rated buildings are overall better performers economically.”

DANA SCHNEIDER (JLL)

DRIVE DEMAND FOR SUPER-EFFICIENT BUILDINGS

New York is home to some of the world's most venerated high-performance buildings. The iconic Empire State Building gave us a model energy retrofit. On Roosevelt Island, Cornell Tech is building the world's largest Passive House. But there is still much work to be done. Urban Green Council provides best practices, policies and hands-on data to bring advanced building efficiency to the forefront.

STATE OF THE CITY'S BUILDINGS: NYC ENERGY AND WATER USE REPORT

Carbon emissions fell an impressive 8 percent in NYC's largest buildings from 2010 to 2013. Our *NYC Energy and Water Use Report*, produced in collaboration with the Mayor's Office of Sustainability and NYU Center for Urban Science and Progress, combined several years of building benchmarking data with building auditing data that reveal the systems, fuel types and materials used in thousands of NYC buildings. The report found that multifamily and office buildings are responsible for 87 percent of energy use in benchmarked buildings. Multifamily housing alone makes up nearly 70 percent of total floor area and uses over half of all the energy consumed by benchmarked buildings.

“Imagine if cars had mandates for vehicle weight and engine size rather than for fuel economy. Unfortunately, that is the approach taken by New York (and most American cities) to buildings.”

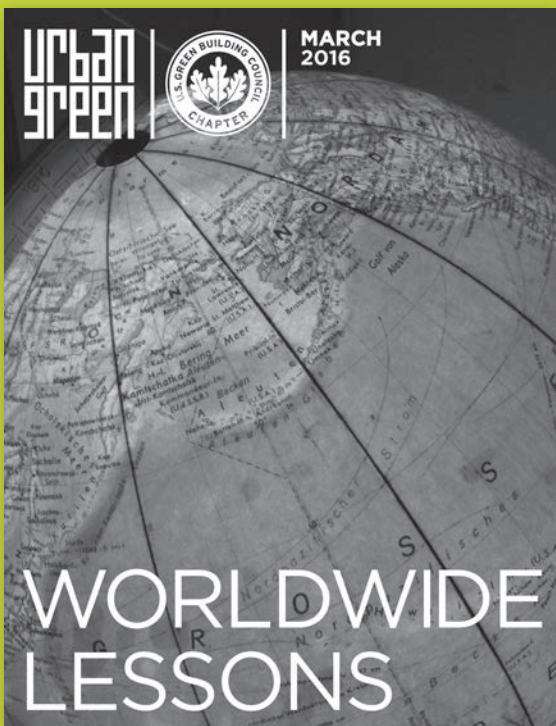
RUSSELL UNGER IN *CRAIN'S NEW YORK* OP-ED, “NEW YORK SHOULD COPY RIVAL CITIES TO GREEN ITS BUILDINGS”

WORLDWIDE LESSONS: LEARNING FROM PEER CITIES

What can the largest city in the world to mandate 80 percent carbon reductions by 2050 learn from peer cities? We partnered with Atelier Ten to distill lessons from building design, policy and practice in five global cities: Frankfurt, London, San Francisco, Singapore and Sydney.

The report found that Frankfurt, London and San Francisco regulate overall emissions or energy use. In New York, codes are based on energy cost, so the price of fuel influences design decisions. Even high-performing buildings must follow strict rules that regulate individual building elements, which complicates design. It's time for New York to consider moving to a performance-based metric that simplifies compliance.

Other key trends identified in the report as effective tools for consideration include building labeling schemes and formalized workforce training.



BRING THE RETROFIT MARKET TO SCALE

Nearly 85 percent of existing buildings are likely to be with us in 2050, so driving down energy use in existing buildings is essential to addressing climate change. Urban Green uses all its levers—education, policy and research—to reach this formidable goal.

HOW DEEP IS YOUR RETROFIT?

Our *Deep Energy Retrofits* series showcased three pioneering projects:

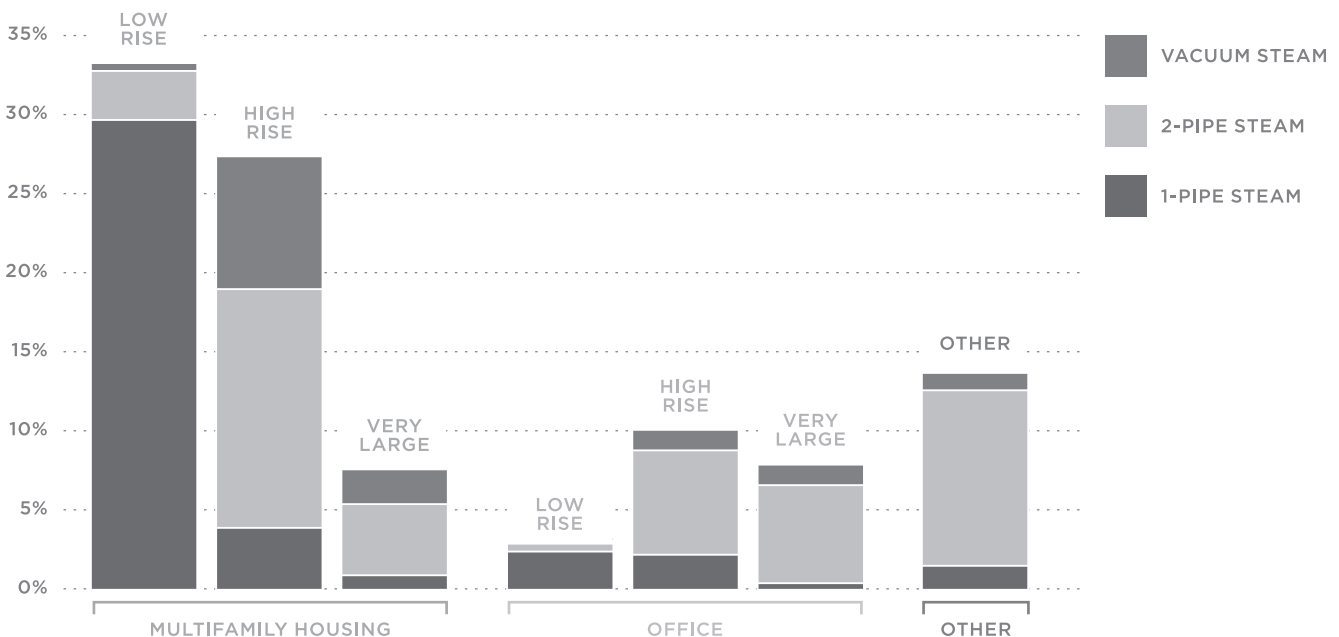
- a 19th century Brooklyn row house transformed into an EnerPHit Passive House
- a multiuse office building in midtown that cut its energy use by over 25 percent
- a historic masonry building at Cornell University that brought a steam-heated, non-air conditioned property up to current standards of comfort without increasing net energy use.

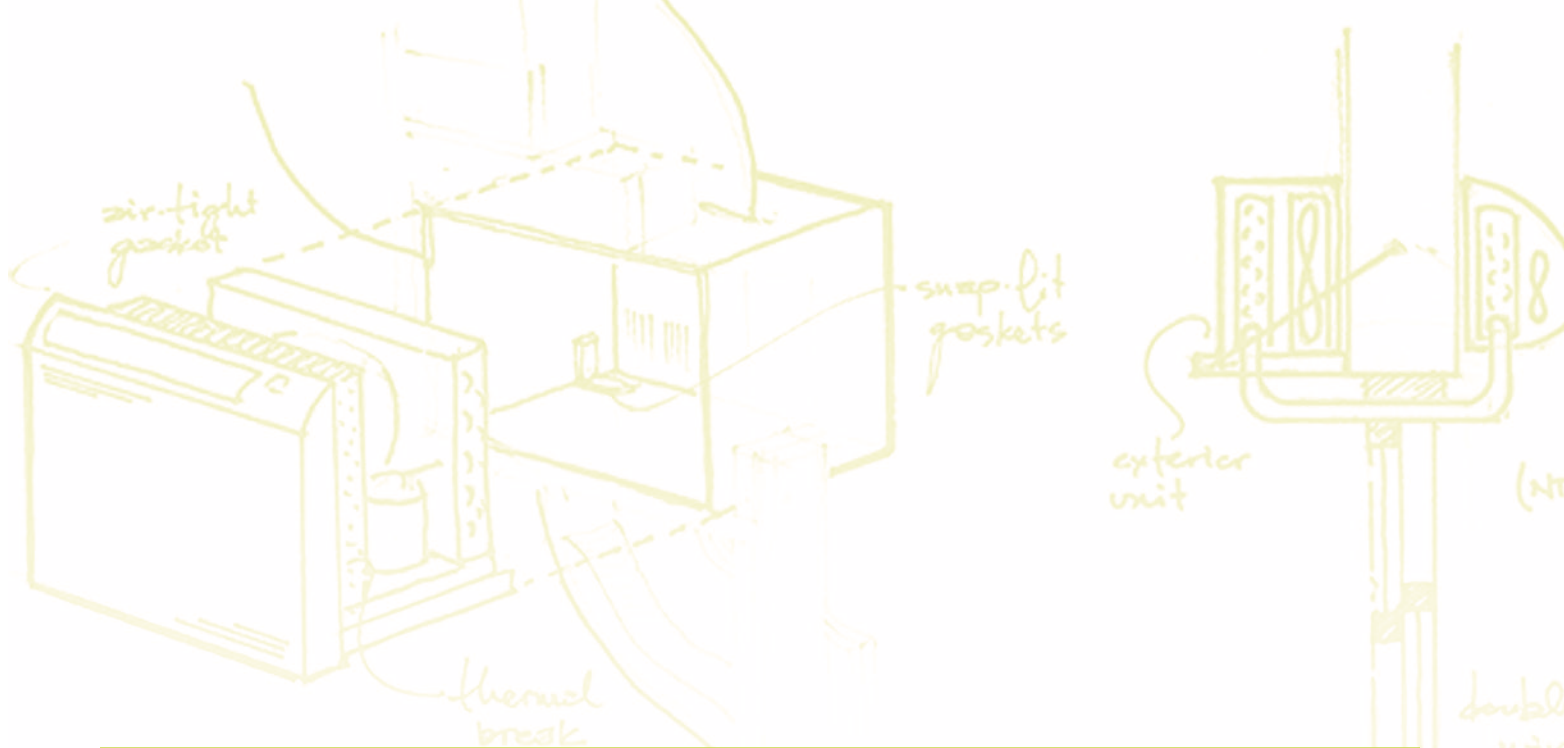
Over 200 building professionals joined us to explore these notable case studies, which offered up a range of tools, such as PACE financing and specialized air sealing, to help fellow practitioners meet project energy reduction targets.

STEAM CITY

Many a New Yorker is accustomed to the rattling of radiators, but few may realize that steam is responsible for our comfort from living room to bathtub. We’re assessing the prevalence of steam technologies in NY State and analyzing existing solutions to improve steam efficiency. We found that 95 percent of large multifamily building boilers that provide steam heat serve double-duty by also providing domestic hot water (meaning the boiler is fired up in the heat of summer). This study will offer solutions to potentially inefficient practices like this one—and extend our heating system knowledge beyond large buildings to thousands of smaller ones across the state.

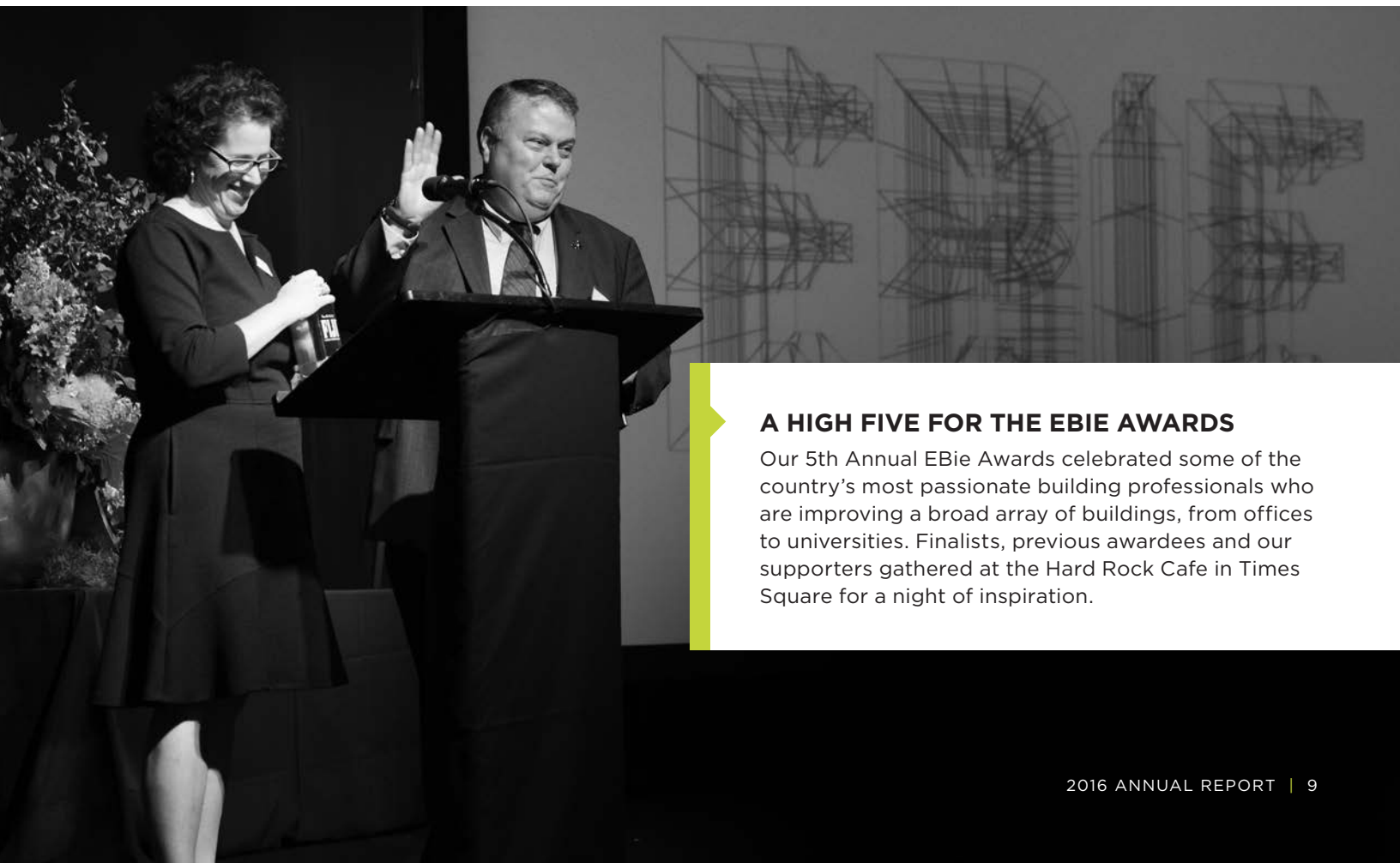
STEAM HEATING DISTRIBUTION SYSTEMS IN NYC (LL87 DATA)





DEVELOPING THE BUILDING PRODUCTS OF THE FUTURE

To align building product research and industry demand, we conducted focus groups on behalf of NYSERDA. The goal of these groups was to understand the demand for products that do not yet exist; exist with major flaws or exist in other markets but are not readily available in the U.S. Phase 1 identified 10 that building designers and owners needed. Phase 2 of the project is now underway and includes an industry survey to review and refine the products, as well as their potential statewide energy impact.



A HIGH FIVE FOR THE EBIE AWARDS

Our 5th Annual EBIE Awards celebrated some of the country's most passionate building professionals who are improving a broad array of buildings, from offices to universities. Finalists, previous awardees and our supporters gathered at the Hard Rock Cafe in Times Square for a night of inspiration.

ADVANCE SUSTAINABLE BUILDING POLICY

By changing laws, we impact every current and future building in NYC. Urban Green's efforts have altered the city's green building landscape and made its building code one of the most efficient and resilient in the nation.

GREENER GREATER EVEN BETTER

It's been almost seven years since the city passed its signature energy efficiency package, the *Greener Greater Buildings Plan*. In 2016, we made *GGBP* even better by expanding requirements for benchmarking, submetering and lighting upgrades to midsize buildings (25,000-50,000 square feet). This expansion is equivalent to all of the benchmarked buildings in the District of Columbia and brings the NYC total to over 3.1 billion square feet, or roughly 57 percent of citywide building area.

Beyond *GGBP*, we helped drive citywide carbon savings with new laws and significant updates to existing codes, including:

- Passing Local Laws 31 & 32, which require most new city-owned buildings to meet LEED Gold and to cut energy use in half;
- Securing amendments for a new energy code with projected energy savings of nearly 9 percent for commercial buildings and over 30 percent for residential buildings.

A BANNER YEAR FOR POLICY

2016 was an extremely busy year on the policy front, locally and statewide. In addition to expanding *GGBP*, we co-chaired the 80 x 50 Technical Working Group and advised on the 80 x 50 road map. Other critical NYC policy initiatives included:

- Working with the Mayor's Office of Sustainability on proposed updates to the city's purchasing regulations, including transitioning from fluorescents to LEDs, capping cement content in concrete, and requiring more sustainable electronics;
- Convening industry expert and building owner working groups to advise the NYC Department of Environmental Protection on the development of the first citywide runoff management plan for areas with separate storm sewers;
- Supporting rate case settlements from NYC utilities that include a doubling of energy efficiency funds and plans to implement systems for automatic upload of benchmarking data in 2017 (Con Edison) and 2018 (National Grid). We also advocated for the benefits of benchmarking and automatic data upload.

MAKING AN IMPACT IN ALBANY

We substantially increased our state-level policy advisory presence in 2016, serving on the state's Clean Energy Advisory Council and advising the New York State Department of Public Service and the Public Service Commission on effective regulation of utilities for energy efficiency procurement. Other key statewide efforts included advising NYSERDA on potential programs to drive demand for low-energy buildings.

“The impact extends beyond the city’s portfolio. New York’s designers and builders will create a new generation of hyper-efficient buildings that will ultimately advance practice in the private sector as well.”

LAURIE KERR ON LOCAL LAW 31 & 32



EDUCATE BUILDING PROFESSIONALS

Sustainable buildings also require educated professionals at every level of the building industry—design, construction, operations and maintenance. Since our inception, Urban Green has been a pioneer in training green. We develop and present on-topic educational programs that teach a range of practitioners.

GPRO + REBNY = SUSTAINABILITY BOOT CAMP

With over 9,200 trained in North America, our flagship program, GPRO, prepares every team member working in a building or on a construction project to integrate sustainability into their existing work—whether it's operations and maintenance, electrical or HVAC technology. Last year, 1,790 tradespeople received GPRO training.

We made a big impact through a unique partnership with The Real Estate Board of NY: *Sustainability Boot Camp*. This special offering trained over 600 building managers and operators at REBNY firms on effective and efficient building operations—impacting millions of square feet throughout New York City.

FOSTERING ENERGY CODE UPTAKE THROUGH TRAINING

Our big education launch of 2016 was *Conquering the Code*, which trains architects and engineers on the new, more rigorous NY State and NYC energy code and also promotes energy efficiency best practices. Compliance is now mandatory as of October 2016.

To date we've trained over 2,200 designers throughout New York State, with the help of partners including AIA New York State, the American Council of Engineering Companies (ACEC) and ASHRAE.

OUR FILM DEBUT: AIRTIGHT, TESTED RIGHT

The new Energy Code also mandates stricter air sealing requirements, including blower door tests. To increase awareness and improve compliance, Urban Green Council created animated videos on blower door testing for architects, contractors and homeowners.

Our videos have received over 2,000 views to date and were put into wide circulation through partnerships with National Association of Home Builders, Residential Energy Service Network and the Building Performance Institute.





**“The course was well paced and presented.
The instructor brought a wealth of knowledge.”**

ROY J. KOZLOWSKI, GPRO OPERATIONS & MAINTENANCE ATTENDEE

TOUR OF WHOLE FOODS MARKET AND GOTHAM GREENS IN GOWANUS, BROOKLYN

Through design, a rooftop solar array and a combined heat and power system, this former brownfield site is 60 percent more energy efficient than an average grocery store.



COMMUNITY

EMERGING PROFESSIONALS

EP offers young professionals in green building the opportunity to stay on top of industry trends, make new connections and socialize with like-minded individuals throughout the year.

The EP committee organized a total of 11 events in 2016, including educational programs, lively networking events and exclusive tours of urban sustainability sites.

Co-chairs

Kiumars Q. Amiri

NYC Department of Design and Construction

Jessica Glicker

MSc Candidate, University College of London (Formerly of COOKFOX Architects)

Committee

Duncan Campbell

Scale Energy Solutions

Reid Carroll

Jaros Baum & Bolles

Erik Douds

Legend Energy Advisors

Ece Ersoz

R3 Energy Management Audit & Review LLC

Alex Koslow

Amenta Emma Architects

Eliza Learner

Honest Buildings

Evan Levy

MaGrann Associates

Filomena Nigro

CNY Group

Caitlin O'Connell

Citi Bike

Stacie Schwartz

TRC

“What I have enjoyed about EP is being able to bring my skill set and adding that to the other industries in this group. We are able to have conversations about real-world challenges and come out with a greater understanding about how to move forward towards a better designed city.”

ERIK DOUDS, LEGEND ENERGY ADVISORS



URBAN GREEN STAFF AND VOLUNTEERS

COMMUNITY

SERVICE AWARDS

The Urban Green community is made up of technical experts, industry leaders and advocates who help make our work possible. Our 2016 Service Awards honored six dedicated members. Their knowledge and passion ensure that our continuing education programs remain relevant, engaging and at the forefront of sustainability.

2016 Recipients

Julie Nelson

Partner
BKSK Architects LLP

Jennifer Preston

Sustainable Design Director
BKSK Architects LLP

Ismail Ocasio

Apprenticeship Training Manager
NYC Department of Education

Anthony Ali

Curriculum Coordinator
Queens Vocational & Technical High School

Calvert Bowen

Teacher
Queens Vocational & Technical High School

Erika Duran, LEED AP BD+C

Sustainability Consultant
Dagher Engineering

THANK YOU

We rely on a dedicated team of industry movers and shakers to help create the cutting-edge public programs Urban Green puts on each month and to find new ways to make Urban Green membership as rewarding as it is impactful. Thank you to the members of our 2016 Programs and Membership committees.

2016 Programs Committee

Susan Aiello

Owner
Interior Design Solutions

Nadia Elrokhsy

Assistant Professor of Sustainable Interior Design
Parsons The New School for Design

Gera Feigon

Environmental Specialist
Kohn Pedersen Fox Associates

Joann Gonchar

Senior Editor, Special Contributing Editor
Architectural Record,
GreenSource Magazine

Emily Gove

Director of Sustainability and Training
BMS/Vornado

Crissy Haley

Senior Project Manager, Energy & Sustainability
JLL

Brian Kaplan

Senior Project Architect, Associate
Skidmore, Owings & Merrill, LLP

Varun Kohli

Sustainable Design Leader
HOK

Amanda Langweil

Project Manager
Perkins+Will

Bret Mantyk

Senior Environmental Designer
Atelier Ten

Andrew McCornack

Energy Efficiency Program Manager
Willdan Energy Solutions

Clare Mifflin

Associate Principal
Kiss + Cathcart Associates

Bob Muldoon

Assistant Manager for Green Building Training
32BJ Training Fund

Charlie Murphy

Heating, Ventilation and Air Conditioning Engineer
Jaros, Baum & Bolles

Veena Muthusamy

Associate, Sustainability Strategies
Cushman & Wakefield, Inc.

Julie Nelson

Partner
BKSK Architects

Chad Ondrusek

Senior Project Manager, Environmental Analyst
Environmental Connection, Inc.

Sarah Sachs

Associate Principal
Buro Happold



Service Award recipients Anthony Ali, Jennifer Preston, Calvert Bowen, and Elias Dagher for Erika Duran.

Matthew Shurtleff

Program Director
Parodneck Foundation

Jessie Turnbull

Associate
Robert A. M. Stern Architects

Scott Van Pelt

Vice President, Engineering
Urban Green Energy

Jonce Walker

Sustainability Consultant
Terrapin Bright Green, LLC

Wendy Wan

Project Director
Department of Design &
Construction

Whitney Smith

Director of Sustainable Services,
LEED Consultant
Cosentini Associates

Wolfgang Werner

Principal
Urban Fabrick

2016 Membership Committee

Erika Duran

Sustainability Consultant
Dagher Engineering

Katherine Gray

Partner Marketing Manager
AOL

Sarah Halle

Market Analyst
Arcadis

Fatou Jabbie

Founder
USL Technology Inc.

Jackie Li

Associate, Sustainable Strategies
Cushman & Wakefield, Inc.

Gwen McLaughlin

Project Manager
TRC

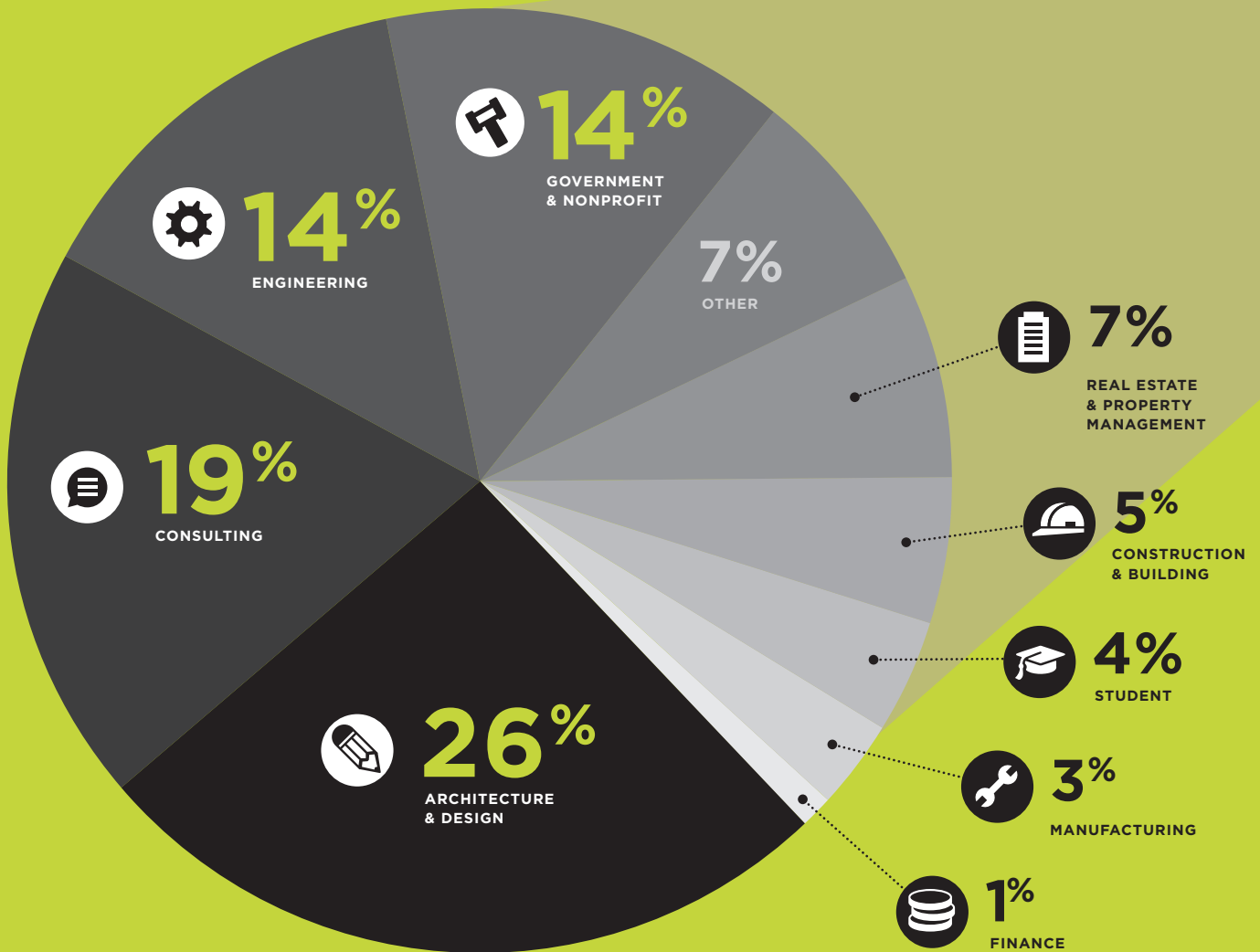
Janice Moynihan

Community Outreach Manager
Northeast
Autism Speaks

Akanksha Sharma

Vice President, Energy Incentives
JPMorgan Chase & Co.

URBAN GREEN BY THE NUMBERS



TOP 5 ATTENDEES

- 10 MICHAEL MINZICU, ELECTRICAL ENGINEER, AKF GROUP LLC
- 9 EMILY GOVE, DIRECTOR OF SUSTAINABILITY, BMS/VORNADO
- 9 WHITNEY SMITH, DIRECTOR OF SUSTAINABLE SERVICES, CONSENTINI ASSOCIATES
- 9 CHARLES MARINO, NY DIRECTOR OF ENERGY SERVICES, AKF GROUP
- 8 GWEN MCLAUGHLIN, PROJECT MANAGER, TRC SOLUTIONS

OUR NEW OFFICE: 55 BROAD STREET FUN FACTS

- 7 STAFF MEMBERS WHO ARE PART OF PLUG, THE PLANT LIFE AT URBAN GREEN COMMITTEE
- 32 DESKS AND CHAIRS DONATED BY GOOGLE
- 500 YARDS OF CARPET TILE PROVIDED BY SHAW CONTRACT
- 300% INCREASE IN NUMBER OF CONFERENCE ROOMS



COMMUNITY

3,190

EVENT ATTENDEES



EVENTS

32

PUBLIC EVENTS

TOP FINDINGS: NYC ENERGY AND WATER USE REPORT 2013

8%

CARBON EMISSIONS REDUCTION FROM NYC'S LARGEST BUILDINGS FROM 2010 TO 2013

\$180

MILLION

LOST TO LEAKS FROM WINDOW AND WALL AIR-CONDITIONING UNITS, LEAKS ROUGHLY EQUIVALENT TO A 6 SQ. IN. HOLE IN YOUR WALL.

87%

OF ENERGY USE IN BENCHMARKED BUILDINGS COMES FROM MULTIFAMILY AND OFFICE BUILDINGS

42%

OF NEW YORK CITY'S TOTAL FLOOR AREA—ROUGHLY 2.3 BILLION SQUARE FEET—IS REPRESENTED IN THE STUDY. THIS COVERS AN AREA LARGER THAN MANHATTAN AND STATEN ISLAND COMBINED

92%

OF ONLINE READERS WOULD RECOMMEND THE REPORT TO COLLEAGUES

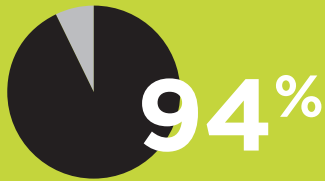
EDUCATION

2,200

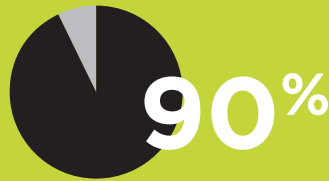
TOTAL TRAINED IN ENERGY CODE

9,765

TOTAL TRAINED IN GPRO



WOULD RECOMMEND THE COURSE TO A COLLEAGUE



RATE INSTRUCTOR AND COURSE ABOVE AVERAGE OR EXCELLENT

ONLINE PRESENCE



115,446

WEB VISITS



9,337

SOCIAL MEDIA FOLLOWERS



62,749

WEB VISITORS

“Both of the GPRO Modules were very informative and provided me with information that was both new to me and very relevant to my work.”

MARLON FORBES, GPRO OPERATIONS & MAINTENANCE ATTENDEE



TODAY'S ENERGY CODE ALLOWS HALF OF THE ENERGY USAGE ALLOWED IN 1975.

GALA

NOVEMBER 10, 2016

The 2016 Gala honored Héctor Figueroa, president of 32BJ SEIU. As the largest property services union in the country, 32BJ represents more than 155,000 workers in 11 states and Washington, DC. Héctor is a leading voice for immigrant rights and social justice with a long history of advocacy, both locally and nationally. He is a member of the Urban Green Council Board of Directors and has made sustainable building operations a cornerstone of worker training through the 32BJ Thomas Shortman Training Fund, a critical Urban Green partner.

Thanks to Hector's support, Urban Green has worked with the Training Fund for over six years on Green Supers and Building Operators Training. To date, 1,900 32BJ members have been trained in NYC alone. They are now armed with the skills needed to maintain and operate buildings more sustainably.



■ HÉCTOR FIGUEROA, 2016 GALA HONOREE AND SCOTT FRANK, INCOMING BOARD CHAIR



■ CARRIER TEAM WITH JOHN MANDRYCK



■ LYDIA GABY, AMY MACDONALD, OLWEN BENNET





■ BRISTENA MARINESCU AND CAITLIN EARLY

ONCE AGAIN, THE URBAN GREEN QUIZ WAS A BIG HIT. TEST YOURSELF ON A FEW OF THE QUESTIONS:

1. Which means of reducing carbon pollution has dropped in cost by more than 50 percent in the last decade?

- A. Solar power
- B. Energy efficiency
- C. Hydro
- D. Nuclear

2. Last year, Harvard released a study on the impact of air quality on cognitive function. By how much did cognitive test scores improve between the conventional and best scenarios?

- A. 10 percent
- B. 15 percent
- C. 20 percent
- D. 100 percent or more

Answers: 1 (A) 2 (D)



FOR MEMBERS ONLY: VIA 57 WEST TOUR

In August, members were invited to see up close the dramatic design and sustainability features of VIA 57 West. A hybrid between the European perimeter block and the traditional Manhattan high-rise, VIA was constructed using recycled, renewable and locally-sourced materials wherever possible. The stainless steel facade is 100 percent recyclable.

MEMBERSHIP & SUPPORT

BECOME A MEMBER

Join our community of like-minded professionals from all intersections of the urban sustainability world. In addition to supporting our critical work, our members receive discounted or free admission to Urban Green events and exclusive access to special programs and tours. Members are also eligible to apply to serve on our committees.

Contact membership@urbangreencouncil.org for more information about different membership levels and benefits.

BECOME A SPONSOR

Align your organization with Urban Green Council, the most trusted name in sustainable building in New York City. Annual Sponsorships span from \$1,000 to \$25,000 and include a range of benefits, such as complimentary Leadership Level memberships for staff; promotion on our website, at events and in our newsletter; and preferred consideration for partnership opportunities.

ATTEND OUR GALA

Come to New York's premier green building celebration, our largest fundraising event of the year. Rub shoulders with industry leaders over cocktails and support our mission as we aim to transform the built environment in NYC for a healthier, more resilient tomorrow.

MAKE A DONATION

Are you passionate about sustainability? Consider making a 100 percent tax-deductible donation to Urban Green Council. You may also make a gift of appreciated stock.

DONATE SPACE

Do you have a large meeting room, showroom or other interesting venue where Urban Green could hold an educational or networking event? We would love to hear about it!

Please contact programs@urbangreencouncil.org.

MORE INFORMATION

For complete details on ways to support us, please contact **Bea Mora, Development Coordinator**, at 212 514 9385 ext. 124 or bm@urbangreencouncil.org.





A LOOK AT CON EDISON'S EXPERIMENTAL GREEN ROOF

As part of our *What Lies Beneath? An Inside Look at the NYC Steam System* event, we visited Con Edison's green roof. With 21,000 plants occupying over a quarter acre, it absorbs heat and reduces the need for air conditioning by up to 30 percent at peak cooling times.

ANNUAL SUPPORT

\$100,000 and over

Doris Duke Charitable Foundation
The Rudin Foundation, Inc.
United Technologies Corporation

\$50,000 and over

Con Edison
The Bernard F. and Alva B.
Gimbel Foundation
Mertz Gilmore Foundation
SL Green Realty Corp
Vornado Realty Trust

\$25,000 and over

Dagher Engineering
Jaros, Baum & Bolles
Overbrook Foundation
Pelli Clarke Pelli Architects
Related
Rockefeller Brothers Fund

\$15,000 and over

COOKFOX Architects/Terrapin
Bright Green
Cosentini Associates
Fisher Brothers
HR&A Advisors, Inc.
Kohn Pederson Fox Associates
Robert A. M. Stern Architects
Silda Wall Spitzer
Tishman Speyer

\$10,000 and over

32BJ SEIU
AKF Group LLC
Arup

Atelier Ten
Goldman Sachs
HOK
Johnson Controls, Inc.
Joint Industry Board of the
Electrical Industry (Local 3
& NECA)
New York Yankees
NYSERDA
Sidewalk Labs
Skidmore, Owings & Merrill LLP
Turner Construction Company

\$5,000 and over

1199 SEIU United Healthcare
Workers East
BKSK Architects
Brookfield Properties
CALMAC Manufacturing
Collins Building Services, Inc.
Delos Living, LLC
FXFOWLE Architects
Glenwood Management
Harvard Maintenance
Jack Resnick & Sons, Inc.
JLL
Lendlease
One Lux Studio
Perkins+Will
John Rhodes
Realty Advisory Board
Syska Hennessy Group
Trane
Vidaris, Inc.
Waldner's Business
Environments, Inc.
WSP | Parsons Brinckerhoff
ZGF Architects LLP

\$2,500 and over

A&A Maintenance
Amalgamated Bank
ASSA ABLOY Door
Security Solutions
Association for Energy
Affordability, Inc.
Benjamin Moore & Co.
BMS LLC
Bright Power, Inc.
CodeGreen Solutions
Fried, Frank, Harris, Shriver
& Jacobson LLP
Harris Beach
Horizon Engineering Associates
Ice Air, LLC
Langan
Lilker Associates
Metallic Lathers & Reinforcing
Iron Workers, Local 46
Metropolitan Valuation Services
Newmark Family Properties

\$2,500 and over cont'd

Newmark Grubb Knight Frank
Proskauer Rose LLP
Renegade
Silverstein Properties
Thornton Tomasetti
Urban Fabrick

\$1,500 and over

Cushman & Wakefield
Grimshaw Architects
HKS
Mark MacCracken
M&E Engineers, Inc.
Pat Sapinsley

ANNUAL SUPPORT

\$1,500 and over cont'd

Raab, Sturm & Ganchrow, LLP
Steven Winter Associates, Inc.

\$1,000 and over

Scott Frank
Jill Lerner
Merritt Engineering Consulting,
P.C.
Royal Waste Services, Inc.
YR&G

\$500 and over

Fiona Cousins
Ennead Architects
Goldman Copeland Associates
Great Forest
Green Building Center
Heat & Frost Insulators
Local No. 12
James Korein
David Matalon
Jim McDonald
Adrian Moeller
Natural Resources
Defense Council
New York City District
Council of Carpenters
Partnership for New York City
Plumbers Local No. 1

Dave Regnery
Pauline Souza
Segal Consulting
SITU Studio

\$250 and over

Loren Blackford
Walter Cain
Phillip Cook
Philippe Dordai
Alan Englander
Kim Erle
Jim Ferris
Mark Gardner
Julie Hiromoto
Maura Jarach
Jerry Kestenbaum
Kevin Martin
Paige Mattson
Paul Roberts
Tony Ruffine
D. Randall Spydell
Deborah F. Taylor
Wolfgang Werner
Inger Yancey
Andrew Zumwalt-Hathaway
Matt Voorhees
Barbara Kaufman

In Kind

32BJ SEIU
Architectural Flooring
Resources, Inc.
Arup
Ashokan Water Services
Bloomberg LP
Center for Architecture
Gord Cooke
FLOR
Fried, Frank, Harris, Shriver
& Jacobson LLP
GE Monogram
GROHE
Humanscale
HR&A Advisors
JLL
Kimball
Knoll
Mohawk
Pelli Clarke Pelli Architects
Shaw Contract
Syska Hennessy
Trespa Design Centre
Urban Future Lab

A special thank you for in-kind donations to our new office:

Antonio Leo Architects
Architectural Flooring Resource
Google
Kimball
Shaw Contract

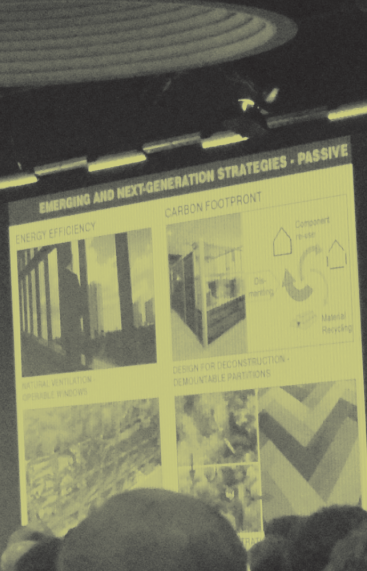


EMERGING AND NEXT-GENERATION STRATEGIES - PASSIVE

ENERGY EFFICIENCY
NATURAL VENTILATION - OPERABLE WINDOWS

CARBON FOOTPRINT
Dis-assembly
Component re-use
Material Recycling

DESIGN FOR DECONSTRUCTION - DEMOUNTABLE PARTITIONS



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ENERGY EFFICIENCY
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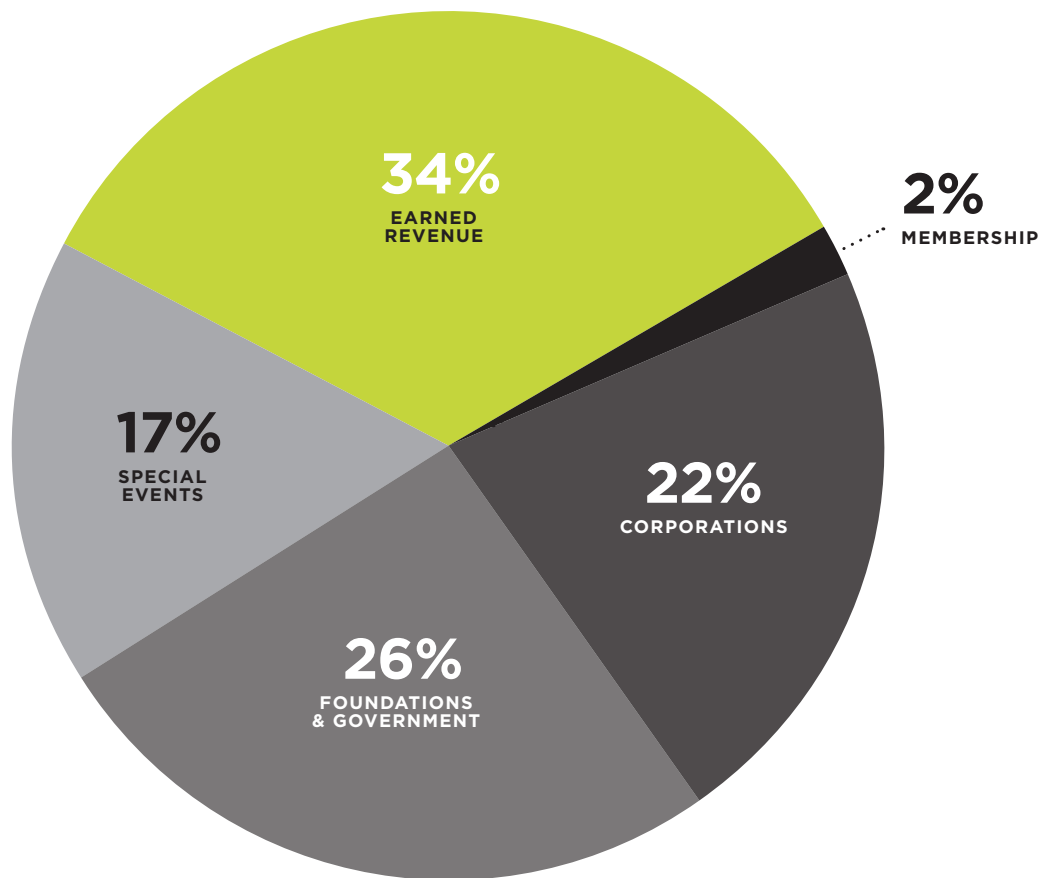
CARBON FOOTPRINT
Dis-assembly
Component re-use
Material Recycling

DESIGN FOR DECONSTRUCTION - DEMOUNTABLE PARTITIONS

CARBON FOOTPRINT FROM CARPET



2016 INCOME*



SUPPORT AND REVENUES

Membership	\$41,150
Corporations	\$589,603
Foundations & Government	\$694,811
Special Events	\$466,422
Earned Revenue	\$904,350

TOTAL	\$2,696,336
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*Unaudited income for the fiscal year ended December 31, 2016.



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■ URBAN GREEN MEMBERS AND STAFF MINGLE AT OUR FALL RECEPTION.



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New York, NY 10004
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