

urban
green

Annual
Report
2017



Dear Friends,

At Urban Green, 2017 was a big year for retrofits. And not just any retrofits—ones that are helping put New York City on track to reach its goal of an 80 percent carbon reduction by 2050.

We commenced a multi-year exploration into how and when NYC might begin shifting buildings from using fossil fuels to using electricity. While a necessary step for 80x50, there currently are more questions than answers. We launched the It's Electrifying series, which began with our 2017 conference and will continue with seminars in 2018 to unpack some of these questions.

We laid the groundwork for bigger projects, the fruits of which you'll start seeing in 2018 research reports: We dug into effective retrofits for steam systems and investigated next-generation energy efficiency products. We also completed a beta internal tool to estimate NYC carbon emissions through 2050, allowing us to test the impact of potential new policies, grid shifts and technologies.

Last year was also a major one for convening and collaborating. We invited members of the Green Codes Task Force and several new faces to revisit the Department of City Planning's Zone Green amendments and develop improved recommendations. And we assembled owners, designers and product manufacturers to identify promising energy-efficient products that are missing from the NYC market.

One of our biggest undertakings was the 80x50 Buildings Partnership: a collaboration of New York's leading building and energy stakeholders to develop smart climate change policies. Launched last fall, the group's first task is to develop recommendations on the optimal design of a building energy reduction mandate for New York City. We are betting that this inclusive approach to policy-making will enable us to forge a consensus on big environmental questions facing the city.

Within Urban Green, we strengthened our operations and took a closer look at how we are funded. Our consultants asked, "Why the modest private philanthropy, when donations are what sustain most nonprofits?" And so we launched a new major donor program, the Trust for Urban Green, to ensure that we have the broad base of resources necessary to help NYC achieve deep reductions in building energy use. We're proud to report \$50,000 in donations in our first three months—but we still have a long way to go!

Thank you for joining us in 2017—and stay tuned for more in 2018!

Sincerely,



Scott Frank
Board Chair



Russell Unger
Executive Director



SCOTT FRANK
Board Chair



RUSSELL UNGER
Executive Director

CAMPAIGN FOR URBAN GREEN

\$2.9M

RAISED TO DATE

“AKF Group is proud to be one of the first firms to make a commitment to the Campaign for Urban Green. With this multi-year pledge, we are standing behind Urban Green’s ambitious strategic plan to get New York City to 80x50. We hope other firms and green building stakeholders will do the same.”

JOHN RICE, AKF GROUP

DONORS

\$500k +

Rudin Management
Company, Inc.

250k +

SL Green Realty
Corp.

\$175K +

AKF Group
Jaros Baum & Bolles

\$75K +

Atelier Ten
COOKFOX Architects
Dagher Engineering
Pelli Clarke Pelli
Architects
Thornton Tomasetti

\$50K +

Arup
CALMAC Corp.
JLL

\$45K +

Catalano Group
Kohn Pedersen
Fox Associates

**Special thanks to the following
organizations for donating
services and goods to our
new office at 55 Broad St:**

Antonio Leo Architects
Architectural Flooring Resource
Skidmore, Owings & Merrill
Fried, Frank, Harris, Shriver
& Jacobson LLP
Google
Kimball
Shaw Contract



ENGAGE AND MOBILIZE MARKET MAKERS

Urban Green collaborates with leading industry, government and environmental organizations to cut building energy use and meet 2050 carbon reduction targets.

80X50 BUILDINGS PARTNERSHIP

The 80x50 Buildings Partnership is a collaboration between NYC's leading building and energy stakeholders to create smart climate change policies. With participation from over 70

individuals from 45 organizations, the group is developing recommendations on the optimal design of a building energy reduction mandate. We're tackling the many complex questions that

will drive our proposal, including costs, technological feasibility, health impacts, industry priorities and state policy. We will be issuing a report and next steps in summer 2018.

THE NEXT FRONTIER FOR ENERGY-EFFICIENT PRODUCTS

Which currently unavailable, energy-efficient technologies do NYC's energy experts want? To help NYSERDA better align building product research funding with industry demand, Urban Green led a technology needs assessment.

Through surveys, focus groups, interviews and energy analyses, we identified six technically-feasible products that the construction industry can use today:

1. Advanced unitized curtain walls (or a "Ferrari of Curtain Walls").
2. Packaged condensing boiler for heat and hot water.
3. Split heat pump designed for PTAC openings.
4. Super-efficient modular cooling for commercial space.
5. Insulated wrap for existing balconies and slab edges.
6. Low-conductivity shelf angles for masonry walls.

"Urban Green has always been a convener. Dialogues like the Buildings Partnership are what we do best."

SCOTT FRANK
JAROS, BAUM & BOLLES

URBAN GREEN EVENT INSPIRES NEW WASTE GUIDELINES

In 2015, Urban Green held *Zero Waste: The Organics Factor*, where moderator Clare Miflin (Kiss & Cathcart) asked expert panelists how best to design multifamily buildings to facilitate separating organics. No one had a clear answer. Recognizing the need for an industry standard, Miflin spearheaded an AIA New York collaboration to develop the *Zero Waste Design Guidelines*.

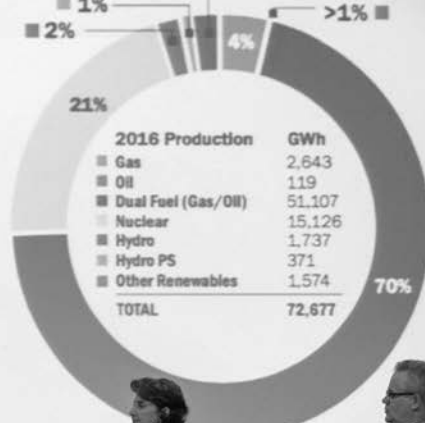
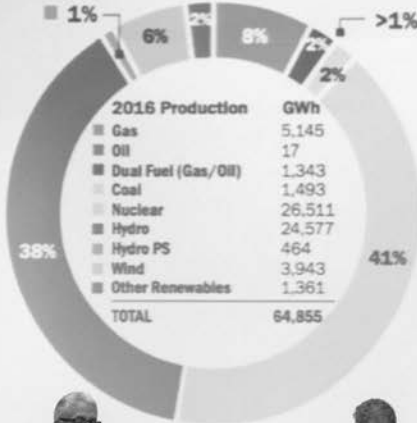
Released in October 2017, these guidelines provide best practices for designers to better manage and reduce waste in buildings and public spaces. Urban Green helped develop the strategies for Construction & Demolition Waste by convening stakeholders to build upon a Green Codes Task Force proposal for recycling carpeting, ceiling tile and gypsum wallboard.



“The 2017 conference checked all the right boxes. Overarching and also detailed. Theoretical yet relevant to my work. I’ll be back again next year!”

CHANYANG SHIN,
SYSKA HENNESSY

■ **CHARLOTTE MATTHEWS** (RELATED COMPANIES) MODERATES THE FIRST PANEL OF OUR 2017 CONFERENCE, FEATURING SPEAKERS **JOHN REESE** (EASTERN GENERATION), **MARGARETT JOLLY** (CON EDISON), **JANET JOSEPH** (NYSERDA), AND **CHRIS CAVANAGH** (NEW ENERGY SOLUTIONS, NATIONAL GRID).



IT’S ELECTRIFYING: EXPLORING NYC’S CLIMATE PLAN TO ELECTRIFY BUILDINGS

Our fall conference examined the role that electrifying building systems will play in achieving NYC’s 80x50 climate goals. Moderated by Charlotte Matthews (Related Companies), the first panel explored the feasibility of electrification in the context of the grid’s current energy mix and future city, state, and utility plans for cleaner electricity sources. The take-home: We shouldn’t take for granted that additional electricity demand will be met with a cleaner grid. We’ll need to keep working toward electrification with that in mind.

The second session, moderated by Scott Frank (JB&B), examined space heating, water heating,

energy generation and energy storage technologies that are likely to become more widespread as we convert our building systems to electricity. Marc Zuluaga (Steven Winter Associates) gave the room a crash course on heat pumps and emphasized their potential to reduce emissions, even with the grid’s current generation mix.

Central to both discussions was the idea of adopting “no regrets” strategies—meaning that even as we navigate uncertainties in cleaning the grid, any steps we take now to move us forward should offer real and immediate environmental, social and economic benefits ... or at least leave us no worse off.

Electrification will be a part of our climate solution, but only if we begin planning for it now and taking the steps to make it truly beneficial.

Looking Ahead: Over 270 people attended the conference, which likely posed more questions than it answered. And so we launched the It’s Electrifying series to delve deeper and examine the critical challenges that building systems will need to overcome. It began with a conversation about heat pumps and will continue throughout 2018 as we explore domestic hot water solutions, financing and incentives, electric products of the future and more.

DRIVE DEMAND FOR SUPER-EFFICIENT BUILDINGS

New York is home to some of the world's most venerated high-performance buildings. But there is still much work to be done. Urban Green provides best practices, policies and hands-on data to bring advanced building efficiency to the forefront.

GETTING NYC READY TO CUT ENERGY USE IN HALF

In 2016, New York City passed Local Law 31, which requires new city-owned buildings to use 50 percent less energy compared to either the energy code or existing city buildings.

To help prepare New York's architecture and engineering community, which has rarely had to meet such stringent standards, Urban Green partnered with AIA New York and A2M to offer four ***Hyper-Efficient Building Workshops: Strategies to Comply with Local Law 31***. The two-day workshops presented pragmatic approaches to passive house practices, strategies for designing in a hot climate and methods for keeping costs down. Over 100 professionals attended these training sessions.

BRUSSELS PASSIVE HOUSE



In the spring, Urban Green hosted a breakfast to learn how the city of Brussels has trail-blazed Passive House. With the industry primed, the city then introduced a requirement that new buildings meet Passive House certification standards. The city now complies with the European Energy Performance of Buildings Directive, which calls for all new construction and retrofits to be nearly-zero energy buildings by 2020.

A man in a dark suit and light shirt stands at the front of a room, gesturing with his right hand towards a large window. He holds a microphone in his left hand. The room is filled with people seated at round tables, facing him. The windows behind him offer a view of a city street with buildings and trees. The room has a modern feel with exposed ceiling pipes and large, bright circular lights. A world map is visible on the wall to the right.

DESIGN LEADERS FORUM

Through a series of workshops and published findings, the Design Leaders Forum brings the unique perspective of our industry to bear on critical issues facing the city. In 2017, we hosted two events focused on creating smarter cities: The first explored how big data could be used to improve energy efficiency, safety and waste systems, and the second addressed the complexities of green rating systems.

BRING THE RETROFIT MARKET TO SCALE

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

IMPROVING STEAM HEAT

Space heating is NYC's largest energy end use, and 80 percent of our large buildings use steam heat. However, these systems are notoriously difficult to operate and can waste nearly half of a building's heat. Urban Green partnered with Steven Winter Associates and NYSERDA to

identify and solve the problems that steam systems pose for building owners, managers and occupants.

Last fall, we analyzed the prevalence of different steam configurations, how effective current retrofits are in addressing

inefficiencies and how steam should evolve alongside new technologies. We also examined costs, including the carbon and fuel savings potential of improving steam heat. Expect our report in 2018!



■ CHRISTOPHER HALFNIGHT, POLICY MANAGER AT URBAN GREEN, LEADS THE SEMINAR AT THE NEW YORK COUNTY LAWYERS ASSOCIATION IN MANHATTAN.

HELPING MIDSIZE BUILDING OWNERS RETROFIT

Many building owners don't have specialized advisors to help them reduce energy costs, comply with new regulations and incorporate sustainability. In partnership with the Rent Stabilization Association and the New York County Lawyers Association, Urban Green organized a seminar for managing rent-regulated properties. The event addressed cost-saving measures, including solar installations. It also provided an update on benchmarking requirements, energy audits and retro-commissioning, the greening of New York's grid, lighting upgrades and submetering.

CARBON EMISSIONS DROP 14 PERCENT IN NYC'S LARGEST BUILDINGS

This year's *NYC Energy and Water Use* report, produced in partnership with the Mayor's Office of Sustainability and the NYU Center for Urban Science and Progress, showed that carbon emissions dropped 14 percent from 2010 to 2015, while energy use dropped 10 percent. However, half of these declines are due to a cleaner electrical grid and more efficient district steam generation. Now that most of New York State's electricity generation from coal and oil has transitioned to natural gas and renewables, building owners will have to dig deeper into energy efficiency to keep up the pace.

Key Findings:

- After an initial 5 percent drop, energy efficiency in multifamily buildings has been stagnant for the past few years. Offices have experienced regular declines, and universities have been the all-stars of NYC, with a 20 percent reduction.
- Benchmarked buildings accounted for 30 percent of the citywide building emissions.
- Heavy fuel oil use decreased by 92 percent since 2010.

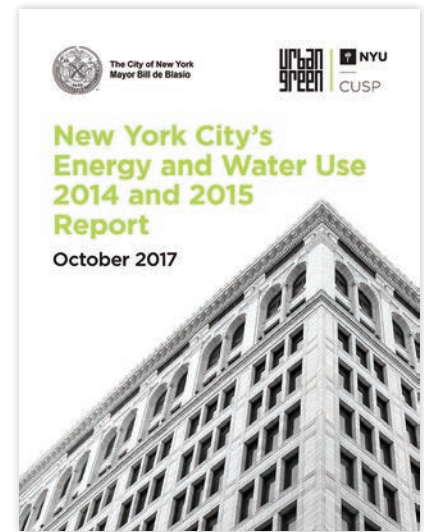


FIGURE 1

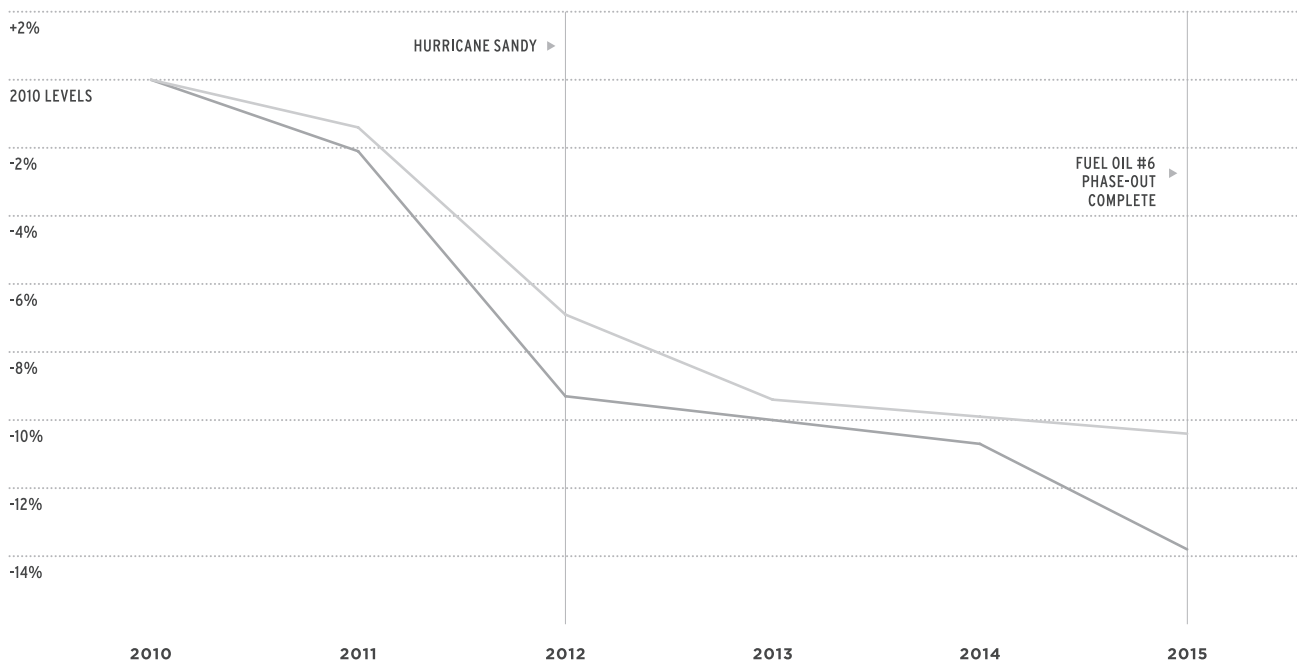
Large New York City Buildings Continued to Cut Their Energy and Emissions

Between 2010 and 2015, 4,229 regularly benchmarked buildings cut their energy use by more than 10 percent and their total greenhouse gas emissions by almost 14 percent.

DATA: LL84

- TOTAL EMISSIONS (METRIC TONS CO₂E)
- WEATHER NORMALIZED SOURCE ENERGY USE (KBTU)

PERCENT CHANGE IN EMISSIONS AND SOURCE ENERGY USE



ADVANCE SUSTAINABLE BUILDING POLICY

Our policy work drives green building progress in New York City and beyond. By improving codes, we can make every current and future building more sustainable. By engaging key stakeholders, we fashion energy and climate solutions that work for the environment and the bottom line. Our efforts help transform New York City's green building landscape, including a building code that's among the most efficient and resilient in the nation.

MAJOR NYC BUILDING LEGISLATION PASSED

In December, City Council approved two new laws that will have a significant effect on NYC buildings. Urban Green's input helped ensure these new requirements are impactful and shaped by evidence-based analysis.

Building Energy Grades

You wouldn't eat at a restaurant with a C rating, so why would you live or work in a building with one? Local Law 33 requires buildings to post an energy grade at their entrances (just as restaurants do). These A-F letter grades will be based on a building's Energy Star score—2018 may be a good year to revisit that metric and decide whether NYC should consider other options to underpin this law.

Ambitious NYC Energy Code Framework

City Council approved a law shaping the next three cycles of the New York City Energy Conservation Code. Local Law 32 establishes a framework for more stringent energy codes, which could translate to a 30 percent energy savings in new construction by 2026. The legislation also signals a shift to performance-based codes for large buildings.

We undertook a wide range of initiatives throughout 2017 to make New York more sustainable and resilient;

- Built consensus among key stakeholders on our *2017 Mayoral Campaign Green Building Roadmap*, including nine priority actions to maintain NYC's leadership on building energy and climate.
- Worked with the Mayor's Office of Sustainability to secure efficiency improvements in the city's proposed update to its purchasing regulations, including shifting to LEDs, limiting cement content in concrete and requiring green electronics.
- Successfully advocated for benchmarking-friendly data privacy standards for NYS utilities, which will benefit smaller NYC buildings and all buildings across the state.
- Advocated for NYS appliance standards for stand-alone products such as computers and monitors that aren't parts of other products, have no federal standard and have "ready-made" standards from other states. Adopting existing standards for 11 products in New York could save nearly 1700 GWh of electricity annually by 2035. Governor Cuomo recently announced a 2018 plan to develop new NYS appliance efficiency standards, and we anticipate many of these products will be included.
- Helped the NYC Department of Environmental Protection to develop new stormwater rules for "separate sewer" areas, where pollutant-laden stormwater flows directly into the city's waterways. Once finalized, the new rules will help protect and improve the city's water quality.

ZONE GREENER

In 2012, the NYC Department of City Planning enacted Zone Green, which amended the zoning resolution to remove barriers to green building. Built upon recommendations from the Urban Green-led Green Codes Task Force, Zone Green addressed issues ranging from wall insulation to rooftop equipment and heat pump condensers.

In 2017, Urban Green launched Zone Greener to assess where Zone Green is working and where it may still need to grow. Our report focused in particular on unlocking efficiency improvements in curtain-wall buildings and expanding provisions for solar. Forty private-sector experts participated in focus groups and interviews, along with the Department of City Planning and Department of Buildings. Building professionals shared their experience with the original Zone Green amendments via a survey, in which they reported on 70 projects that utilized Zone Green provisions 114 times.

We will be issuing a report in early 2018 to summarize the findings that came out of this assessment, including suggestions for how best to address and update zoning requirements.

NEW YORKIFICATION OF SOLAR

During an October event lauding creative solutions for solar advancement in New York's unique landscape, Henry Misas (Bright Power) was excited about solar canopies—elevated photovoltaics arrays that can now meet code requirements on rooftops. The presenters specifically called out Urban Green's policy work on Zone Green as one of the reasons that solar canopies have become feasible.

Prior to Zone Green, New Yorkers could only build rooftop solar panels to a certain height. And between the various obstructions—think exhaust vents and skylights—and FDNY's restrictions on roofs, there was very little room on a typical row house (the bread-and-butter of NYC's housing stock) to place solar panels. But Zone Green raised the height restriction at which solar panels could be installed—creating the possibility for solar canopies, which rise above obstructions like hatches and skylights and clear the fire code areas that typically inhibit roof renovations. Firefighters have roof access, and the canopy is well above any vents or hoods. Zone Green's change in the law opened up the possibility of installing solar canopies on a huge range of NYC row houses.

“Without Zone Green we would probably have only 10 percent of the solar installations we do today.”

HENRY MISAS, BRIGHT POWER

EDUCATE BUILDING PROFESSIONALS

Sustainable buildings require educated professionals at every level—design, construction and operations. Since our inception, Urban Green has been a pioneer in sustainability training. We develop and present programs that teach practitioners the essential skills they need to work on high-performance buildings.

CONQUERING THE ENERGY CODE EXPANDS ACROSS NY STATE

In 2017, we continued to offer *Conquer the Energy Code*, a one-day session that helps architects and engineers across the state comply with the updated energy code. We held private classes at individual firms and brought the class to new cities. We also strengthened partnerships with The New York State Society of Professional Engineers, ACEC and the U.S. Green Building Council's New York Upstate Chapter; we're excited to continue these relationships into 2018.

2,900

**NY DESIGN PROFESSIONALS
TRAINED TO DATE**

HITTING NEW MILESTONES

GPRO hit a tremendous milestone in 2017: we trained our 10,000th student! Unions continue to be essential partners in bringing high-performance building practices to construction projects locally and nationally, and comprised our largest group of new GPRO Certificate Holders in 2017. Through our partnerships with the United Association of Journeymen and Apprentices of the Plumbing and Pipefitting Industry and the International Brotherhood of Electrical Workers, we trained over 2,000 people in 2017.

11,600

**WORKERS TRAINED IN SUSTAINABLE
BUILDING PRACTICES NATIONWIDE**



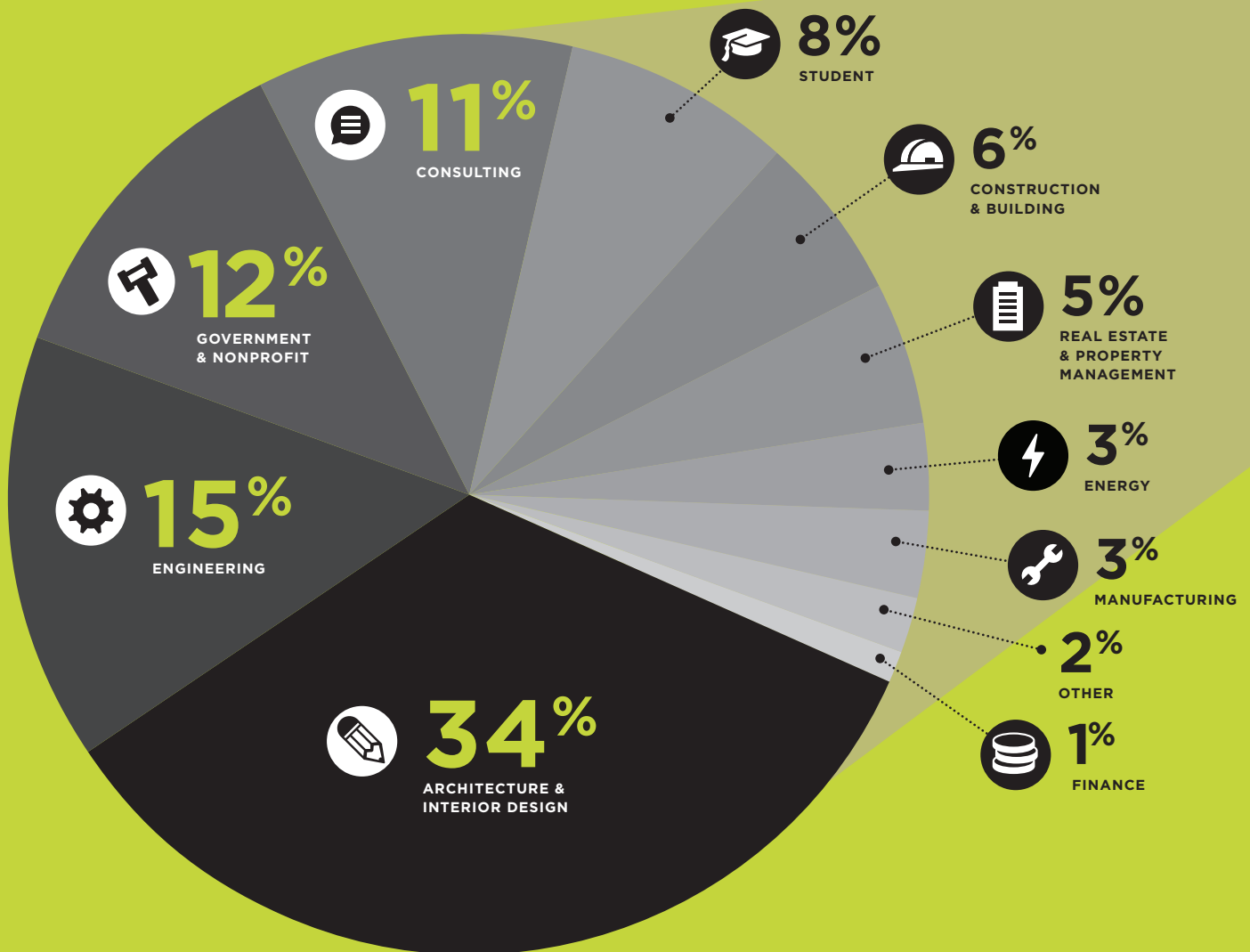
■ GWEN MCLAUGHLIN (TRC) PRESENTING AT OUR FIRST EMERGING PROFESSIONALS SPARK SERIES EVENT, HELD IN OCTOBER.



“Education is the mechanism by which we scale the policies that are informed by our research.”

CANDACE DAMON, HR&A


15 YEARS OF URBAN GREEN



TOP 5 EVENT ATTENDEES

75	JESSICA JENSEN, EDG ARCHITECTURE ENGINEERING
46	INGRID WIEGAND, RM BUILDING CONSULTING
40	ALAN ENGLANDER, A L SUSTAINABILITY LLC
37	JONCE WALKER, THORNTON TOMASETTI
35	GWEN MCLAUGHLIN, TRC COMPANIES, INC

ONLINE PRESENCE

	115,000	ANNUAL WEBSITE VISITS
	11,500	SOCIAL MEDIA FOLLOWERS
	654	BLOG POSTS



COMMUNITY

19,150

EVENT ATTENDEES



EVENTS

500+

PUBLIC PROGRAMS & EVENTS

FINDINGS

14%

CARBON EMISSIONS REDUCTION
FROM NYC'S LARGEST BUILDINGS
FROM 2010 TO 2015

50%

OF THOSE EMISSION CUTS CAME FROM
A CLEANER ELECTRICAL GRID, 30 PERCENT
FROM ENERGY EFFICIENCY AND 20 PERCENT
FROM SWITCHING FROM HEAVY FUEL OIL
TO CLEANER SOURCES OF ENERGY.

450

OFFICES USE CONED DISTRICT STEAM.
THESE OFFICES TYPICALLY USE 12 PERCENT
MORE SOURCE ENERGY THAN OFFICES
THAT DO NOT USE DISTRICT STEAM.

GPRO



11,600

 TRAINED

COVERED IN

The New York Times

THE WALL STREET JOURNAL

The Washington Post

DAILY NEWS

CRAIN'S
NEW YORK BUSINESS

PROPOSALS IMPLEMENTED

T 68



PHASING OUT DIRTY
BOILER FUELS



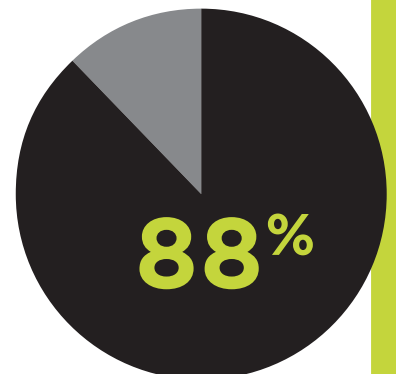
ENHANCING
WATER EFFICIENCY
STANDARDS



MINIMIZING AIR
LEAKAGE THROUGH
BUILDING EXTERIORS

"It feels good to know that even small changes in our everyday work as building operators and as citizens can improve our lives, our tenants' lives and help protect our environment."

PELLUMB GRISHAJ,
ALGIN MANAGEMENT



OF TRAINEES
WOULD RECOMMEND
TO A FRIEND

COMMUNITY

EMERGING PROFESSIONALS

Our Emerging Professional (EP) members are actively involved in professional development opportunities, educational events and connecting with other green building groups. The EP committee organized a total of 11 events in 2017, including a sustainability career fair, multiple networking events and a members-only tour of a hydroponic farm.



“I’ve met a lot of interesting, capable and intelligent people at Urban Green events, and many of its members are leaders or emerging leaders in the industry. When I heard there was a job fair coming up and knew we were looking to bring someone onto our team, participating as a recruiter was a no-brainer, and we found a great hire from the experience.”

EP COMMITTEE MEMBER STACIE SCHWARTZ, TRC

Co-chairs

Filomena Nigro

CNY Group

Kylee Snow

COOKFOX Architects

Committee

Cissy Bai

ES Partners

Gray Bender

Arup

Duncan Campbell

ENER-G Rudox

Erik Douds

Legend Energy Advisors

Ece Ersoz

R3 Energy Management
Audit and Review

Ryan Hughes

LendLease

Anthony Magliozzi

Turner Construction Company

Morgen Schroeder

E&Y

Stacie Schwartz

TRC

Mike Zikoski

Trane

THANK YOU

Our committees play a vital role in engaging our community with thought-provoking and innovative events. These dedicated industry thinkers and activists help find new ways to make Urban Green membership as rewarding as it is impactful. Thank you to all the members of our 2017 Programs and Membership committees!

2017 Monthly Programs Committee

Shrenik Ajmera

Willdan Energy Solutions

Doug Amarhanow

Jaros Barum & Bolles

Zach Craun

COOKFOX Architects

Nadia Elrokhsy

The New School

Narada Golden

YR&G

Emily Gove

Building Maintenance Services, LLC

Crissy Haley

Jones Lang Lasalle

Brian Kaplan

Skidmore, Owings & Merrill LLP

Varun Kohli

HOK

Amanda Langweil

Gensler

Bret Mantyk

Atelier Ten

Amy Marpman

Recycle Track Systems, Inc

Julie Nelson

BKSK Architects

Helen Rubinstein

Cosentini Associates

Domingo Santos

Retired

Tristan Schwartzman

Goldman Copeland Associates

Kevin Shabazz

Greene Developers LLC

Chanyang Shin

Syska Hennessy Group

Sueaee Shin

CodeGreen Solutions

Chris Wark

Wark Energy Consulting

Simon Willett

COOKFOX Architects

2017 Membership Committee

Erika Duran

WSP USA

Katherine Gray

NY Zen Center for Contemplative Care

Fatou Jabbie

USL Technology

Eliza Learner

Honest Buildings

Jacqueline Li

Musician & Recording Artist

Rebecca Macies

Terrapin Bright Green

Gwen McLaughlin

TRC

Melissa Wrolstad

International Well Building Institute

We would also like to thank all our volunteers—our events would not be possible without your assistance, positivity and seemingly endless energy!

SERVICE AWARDS

The Annual Urban Green Service Awards recognize members of our community who leverage technical expertise, industry leadership and advocacy to multiply our impact. Three standouts this year went above and beyond to demonstrate their commitment to Urban Green's vision of a sustainable NYC.

2017 Service Awards Winners

Brian Kaplan

Associate Director

Skidmore, Owings & Merrill LLP

Currently a member of our 2017 Monthly Programs Committee, Brian has been an active member of Urban Green since 2009. This year we recognize his indispensable help in securing donated furniture for our new office at 55 Broad Street.

Bob Muldoon

Assistant Manager for Green Building Training
32BJ Training Fund

A member since 2011, Bob served on our Monthly Programs Committee for four years through 2016, always going above and beyond to plan and execute high-quality educational programming for Urban Green.

Filomena Nigro

Assistant Project Manager
CNY Group

Filomena joined Urban Green as a member in 2015, and almost immediately joined our Emerging Professionals Committee, where she made a considerable impact in her first year. She has demonstrated a strong commitment to building community and now leads the committee as co-chair.

GALA

NOVEMBER 1, 2017

Urban Green turned 15 this year! Our anniversary gala honored Chris Ward of AECOM for his visionary advocacy on urban sustainability during his 30-plus-year career in infrastructure and government. Held at the beautiful Lighthouse at Chelsea Piers, the event brought together industry leaders for a night of music and celebration. Chris Ward eloquently pointed out how each of us needs to play a major role in the fight against climate change—professionally and personally.

Many things have changed over the past 15 years, but not Urban Green's commitment to making buildings healthier, safer and more efficient. We'd like to thank all our sponsors, members and donors for making this night a memorable one!





TRY OUT A FEW QUIZ QUESTIONS FROM THIS YEAR'S EVENT

1. Among the following benchmarked building types, which had the largest proportional drop in energy use per square foot between 2010 and 2015?

- A.** Hospitals
- B.** Offices
- C.** Colleges and universities
- D.** Hotels
- E.** Multifamily buildings

2. Under the city's new energy code, how are facade penetrations of mechanical equipment accounted for in insulation standards?

- A.** They are ignored in R-value calculations.
- B.** They are counted at a default of R-2.5, or whatever value the manufacturer has proven through independent testing.
- C.** No facade penetrations are permitted because the code requires "continuous insulation."

TRUST FOR URBAN GREEN

Urban Green Council launched the Trust for Urban Green in the fall of 2016 as a forum for our most committed personal donors. Trust members contribute \$1,000 or more annually and come together throughout the year for special Trust-only events. In addition, Trust members receive free admission to all Urban Green monthly programs, copies of all research reports and regular briefings from the Executive Director. Supporters are recognized in our annual report and website.

If you care deeply about the effect of climate change on New York City, please consider supporting the Trust. You'll be joining a passionate group of like-minded individuals who are driving the sustainability conversation locally and nationally.

To find out more, please contact Associate Manager **Bea Mora** at 212-514-9385 x124 or bm@urbangreencouncil.org.

The 2017 Trust for Urban Green

Jeff Brodsky

Jim Catalano

Fiona Cousins

Scott Frank

Pam Friedlander

Kenneth Lewis

Mark MacCracken

Drew Neisser

Rafael Pelli

John Rhodes

John Rice

Eric Rudin

Silda Wall Spitzer

MEMBERSHIP & SUPPORT

BECOME A MEMBER

Align your organization with Urban Green Council, the most trusted name in sustainable building in New York City. Annual Sponsorships range from \$1,000 to \$25,000 and include a variety 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.

JOIN THE CAMPAIGN FOR URBAN GREEN

Support Urban Green's long-term strategic plan by making a multi-year commitment of annual support. A contribution to the Campaign includes an annual sponsorship, a gala sponsorship, and an annual major gift to Urban Green. Campaign supporters are recognized on our website, in our newsletter and at our events.

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. Donors who contribute \$1,000 or more are invited to join the Trust for Urban Green, a program for our major donors which includes access to exclusive tours and high level networking receptions.

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**, Associate Manager of Development, at 212-514-9385 ext. 124 or bm@urbangreencouncil.org.



SUPPORTERS

\$100,000 and over

Doris Duke Charitable Foundation
United Technologies Corporation
The Rudin Foundation

\$50,000 and over

Con Edison
Bernard F. & Alva B. Gimbel Foundation
Mertz Gilmore Foundation
New York Community Trust
SL Green Realty

\$25,000 and over

AKF Group
Atelier Ten
COOKFOX Architects
Dagher Engineering
Jaros, Baum & Bolles
New York Power Authority
Overbrook Foundation
Related
Rockefeller Brothers Fund
Vornado

\$15,000 and over

32BJ SEIU
Bloomberg Philanthropies
Cosentini Associates
JLL
Kohn Pedersen Fox Associates
Robert A. M. Stern Architects
Silda Wall Spitzer
Skidmore, Owings & Merrill
Thornton Tomasetti
Tishman Speyer

\$10,000 and over

AECOM
Arup
CALMAC Corp.
Goldman Sachs
International WELL Building Institute
Local Union No.3. International Brotherhood of Electrical Workers
Sidewalk Labs
Tishman Construction
Turner Construction Company

\$5,000 and over

Albanese Organization
BKSK Architects
Brookfield Properties
FXCollaborative
HOK
Jeff Brodsky
John Rhodes
Johnson Controls
Lendlease
One Lux Studio
Steven Winter Associates
Syska Hennessy Group
Trane
UA Local 1
Vidaris
WSP USA

\$2,500 and over

ASSA ABLOY Door Security Solutions
Benjamin Moore
Bright Power
CodeGreen Solutions
Delos Living
The Durst Organization
Fried, Frank, Harris, Shriver & Jacobson
Harris Beach
Horizon Engineering Associates
HR&A Advisors
Langan
Lilker Associates
Merritt Engineering Consulting
Pelli Clarke Pelli Architects
Plumbing Foundation
Renegade
Rockefeller Group
Royal Waste Services
Shaw Contract
Urban Fabrick
Waldner's Business Environments

\$1,000 and over

Ashokan
Jim Catalano
Fiona Cousins
Environmental Defense Fund
Scott Frank
Pamela Friedlander
Julie Hiromoto
Kenneth Lewis
Mark MacCracken
Drew Neisser
Rafael Pelli
John Rice
Tri-Star Equities

\$500 and over

Rohit Aggarwala
Bruce Beckwith
Biome Impact
Capalino+Company
Naomi Cooper
CTA Architects
Denham Wolf Real Estate Services
James Gainfort
Goldman Copeland Associates
Green Building Center
Jill Lerner
James Korein
RES Group
Donna Schragis
Skanska
Deborah Taylor

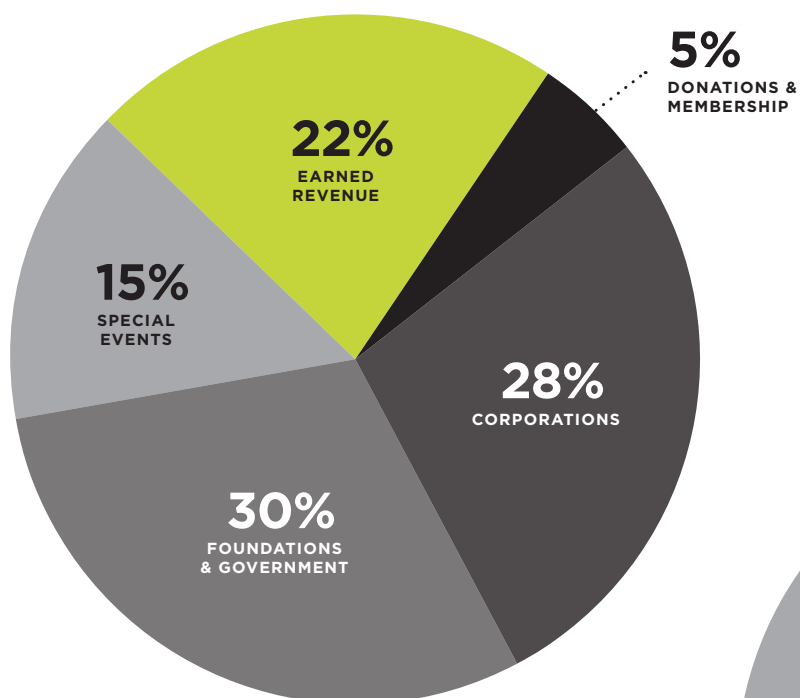
\$250 and over

James Armstrong
Loren Blackford
Evan Blum
Jeff Brodsky
Peter Brotherton
Lee Chapman
Jessica Cooper
Valerie Corbett
Amanda DeSantis
Christopher Erikson, Jr.
Paola Garcia
Chris Garvin
Jerry Kestenbaum
Nico Kienzl
Robert Lateiner
Paola Martinez
Kevin Mcphee
Jakob Mose Olesen
Bailey Puntereri
Paul Roberts
Steven Schleider
Wolfgang Werner

In Kind

32BJ SEIU
Arup
Catalano Group
Center for Architecture
Fisher & Paykel Experience Center
JLL
Kimball
Knoll
Kohn Pedersen Fox Associates
Lendlease
NYCLA
NYU School of Law
Pelli Clarke Pelli Architects
Shaw Contract
Steven Winter Associates
Trespa Design Centre
USAI Lighting

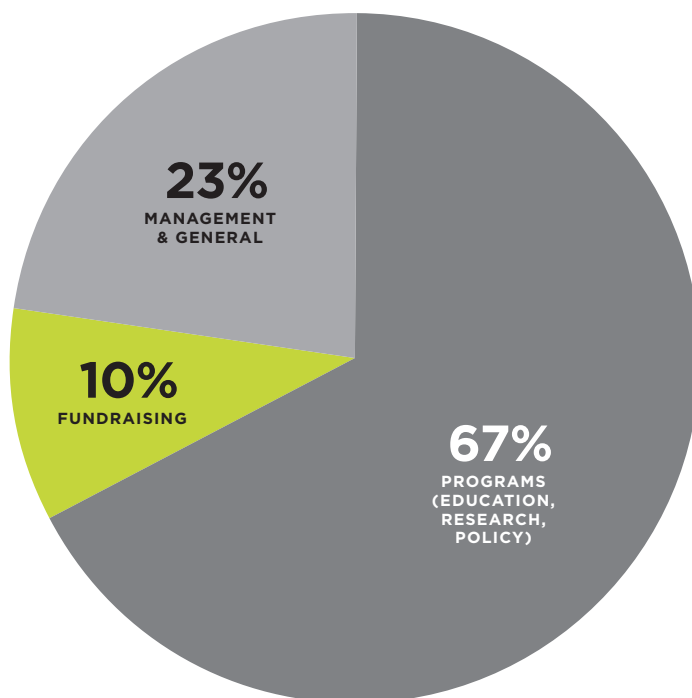
2017 FINANCIALS*



SUPPORT AND REVENUES

Donations & Membership	\$118,155
Corporations	\$708,483
Foundations & Government	\$770,619
Special Events	\$375,250
Earned Revenue	\$569,817

TOTAL **\$2,542,324**



EXPENSES

Programs	\$1,601,378
Management & General	\$551,625
Fundraising	\$246,763

TOTAL **\$2,399,766**

*For the fiscal year ended December 31, 2017.

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UA Plumbers Local Union No. 1

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Sidewalk Labs

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Design & Construction
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Partner

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Pelli Clarke Pelli

Laura Popa

Ex-Officio

*Deputy Chief of Staff for
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NY City Council

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AKF Group

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VP for Sustainability

NYU

Dana Schneider

Managing Director

JLL

DIRECTORS EMERITI

Fiona Cousins

Principal

Arup

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Durst Organization

Cookfox Architects

John Rhodes

Chair

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Coordinator, Research

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Account Executive

Theresa Wetzler

Associate, Special Projects

Chloe Woodruff

Associate, Communications

urban
green |



Urban Green Council
55 Broad Street, 9th Floor
New York, NY 10004
urbangreencouncil.org

