NEW YORK STATE OF OPPORTUNITY.

Low-Income Forum on Energy

Welcome to the LIFE Webinar Series.

We will be starting soon.

NEW YORK STATE OF OPPORTUNITY. | Low-Income Forum on Energy

The Low-Income Forum on Energy Presents:

Moving New York State's Affordable Multifamily Buildings Toward Net-Zero Energy

Saul Brown, NYSERDA; Johnathan Benezry, NYSERDA; and Jennifer Silkowitz, NYC Retrofit Accelerator

January 17, 2018
1:30 p.m. – 2:30 p.m. ET

NEW YORK STATE OF OPPORTUNITY.

Low-Income Forum on Energy

Working to help low-income New Yorkers address energy issues.

LIFE, the Low-Income Forum on Energy, is a unique statewide dialogue that brings together organizations and individuals committed to addressing the challenges and opportunities facing low-income New Yorkers as they seek safe, affordable and reliable energy.

Supported by the New York State Public Service Commission and the New York State Energy Research and Development Authority (NYSERDA), the LIFE dialogue encourages an interactive exchange of information and collaboration among the programs and resources that assist low-income energy consumers.

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→ **Monthly webinars**

Wednesday, January 17, 2018 @ 1:30-2:30 p.m. ET

Moving New York State's Affordable Multifamily Buildings Toward Net-Zero Energy

→ **Monthly email newsletter**

Sign up at nyserda.ny.gov/LIFE – "Join the email list."

→ **Social media**

LinkedIn: Low-Income Forum on Energy

Twitter: @LIFEnys

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Save the Date

LIFE 2018 Statewide Conference

New York State: Leadership in Advancing Clean Energy Solutions for Low-Income Residents and Communities

May 22-23, 2018

Albany, New York

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Find more information on the website

nyserda.ny.gov/LIFE

Join the mailing list

nyserda.ny.gov/LIFE – “Join the email list.”

Newsletter suggestions, webinar ideas, event announcements

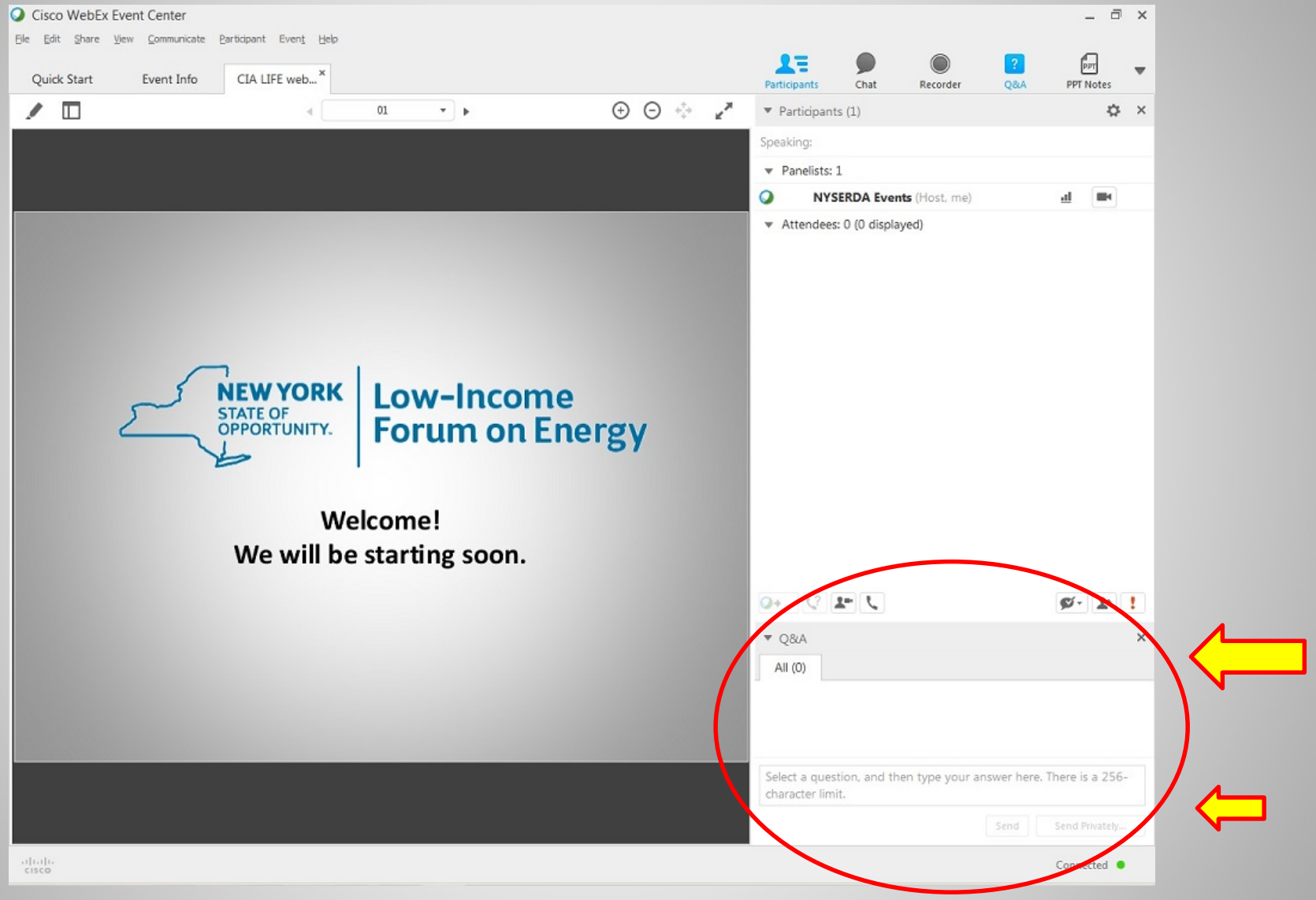
LIFE@nyserda.ny.gov

Contact LIFE

Phone: 866-697-3732 – Request “Low-Income Forum on Energy”

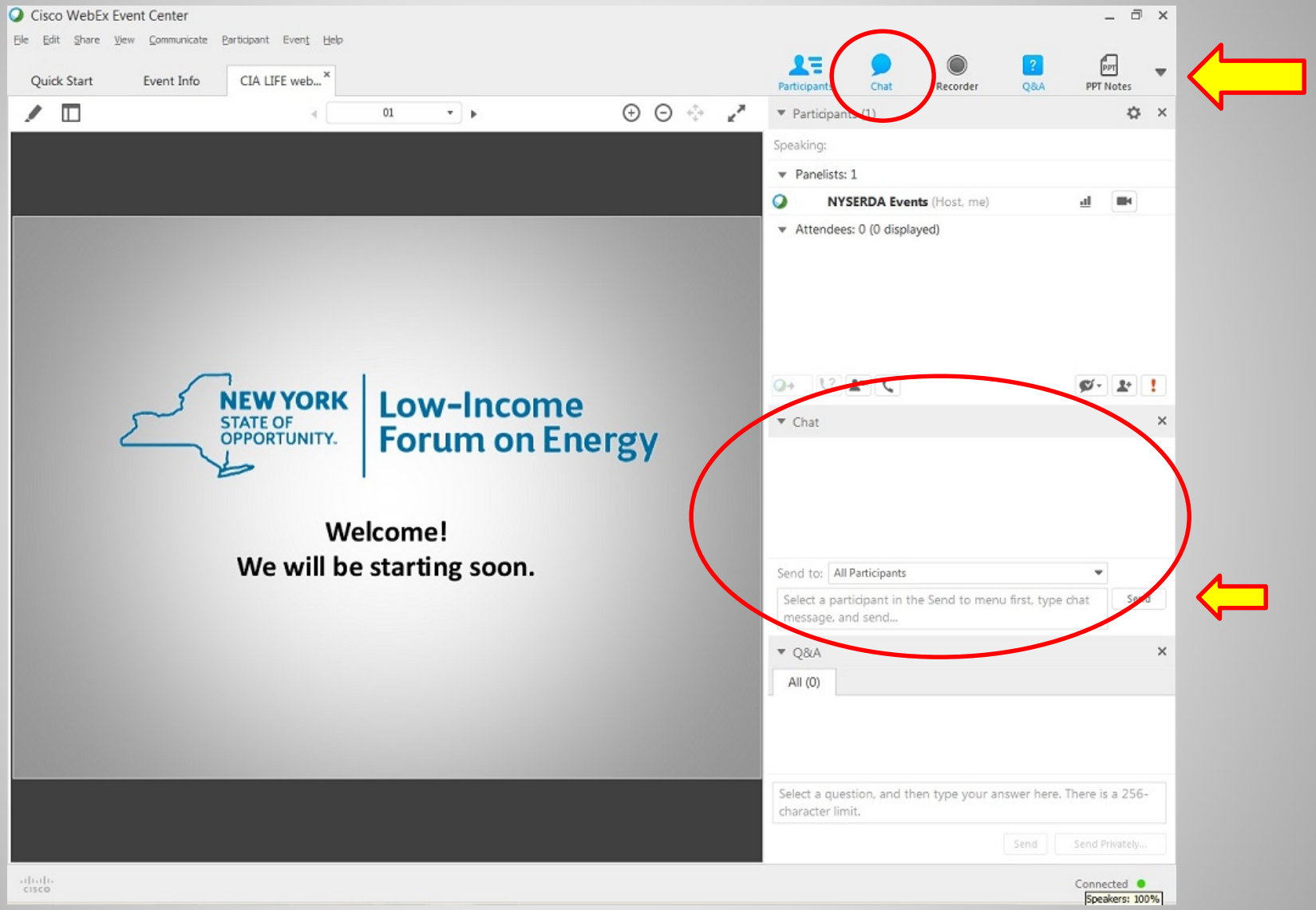
Email: LIFE@nyserda.ny.gov

Asking and Responding to Questions



Type into the text field and click “send.”

Technical Difficulties or Contacting the Host



Click on the “Chat” icon to activate the chat function.

NEW YORK STATE OF OPPORTUNITY. | RetrofitNY

RetrofitNY

Create a large scale, self-sustaining market for high performance retrofit solutions

Industry-designed, cost-effective, retrofit solutions for tenanted buildings reaching or approaching net zero energy.

Implement solutions on a large scale to drive industrialization and reduce costs.

Net Zero Retrofits... or close to it

Benefits to Residents

- Affordable Housing Preserved
- Quality of Life and Health
- Pride of Place
- Environmental Impact

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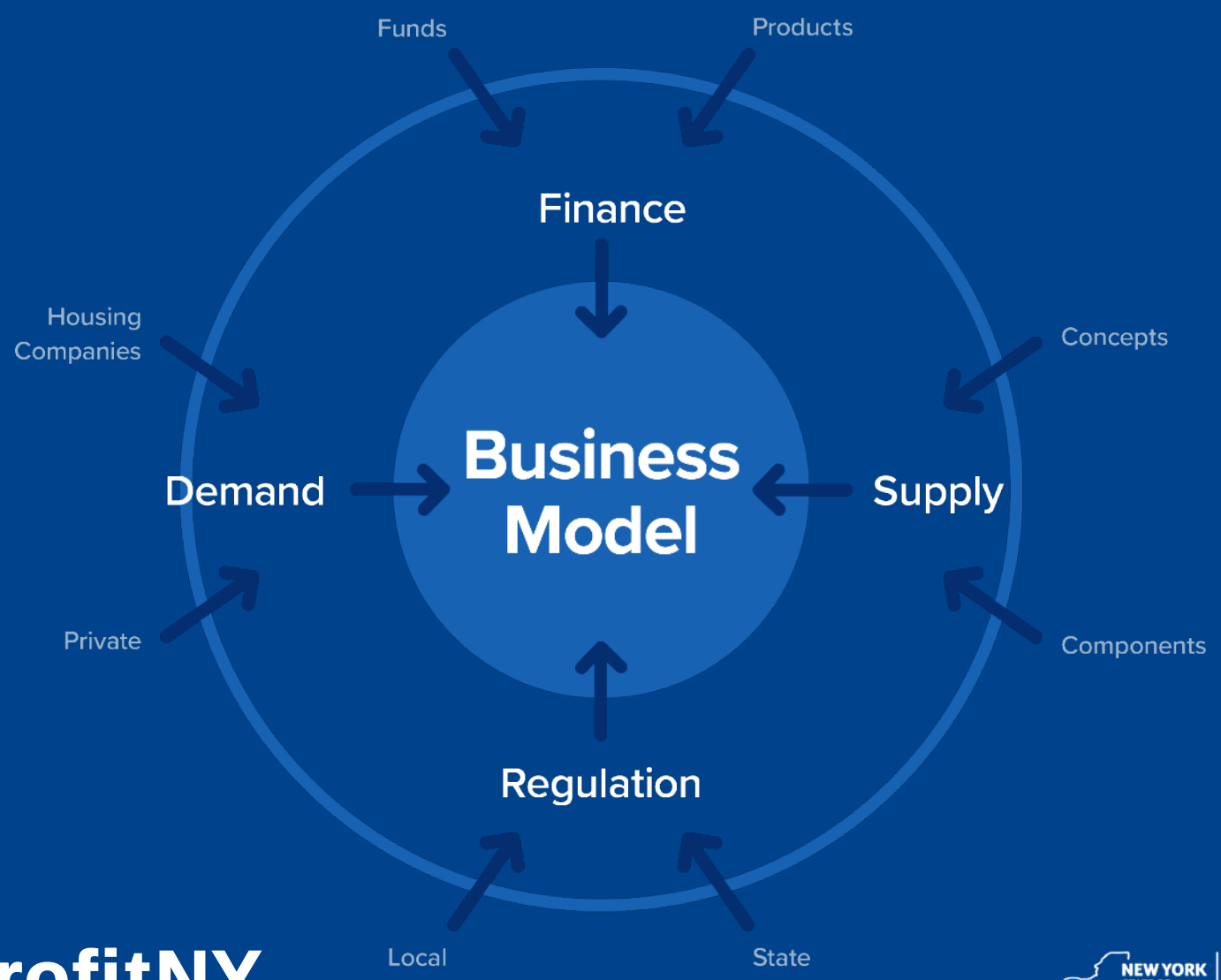
Revolutionizing the way multifamily buildings are renovated, keeping the residents in their homes.



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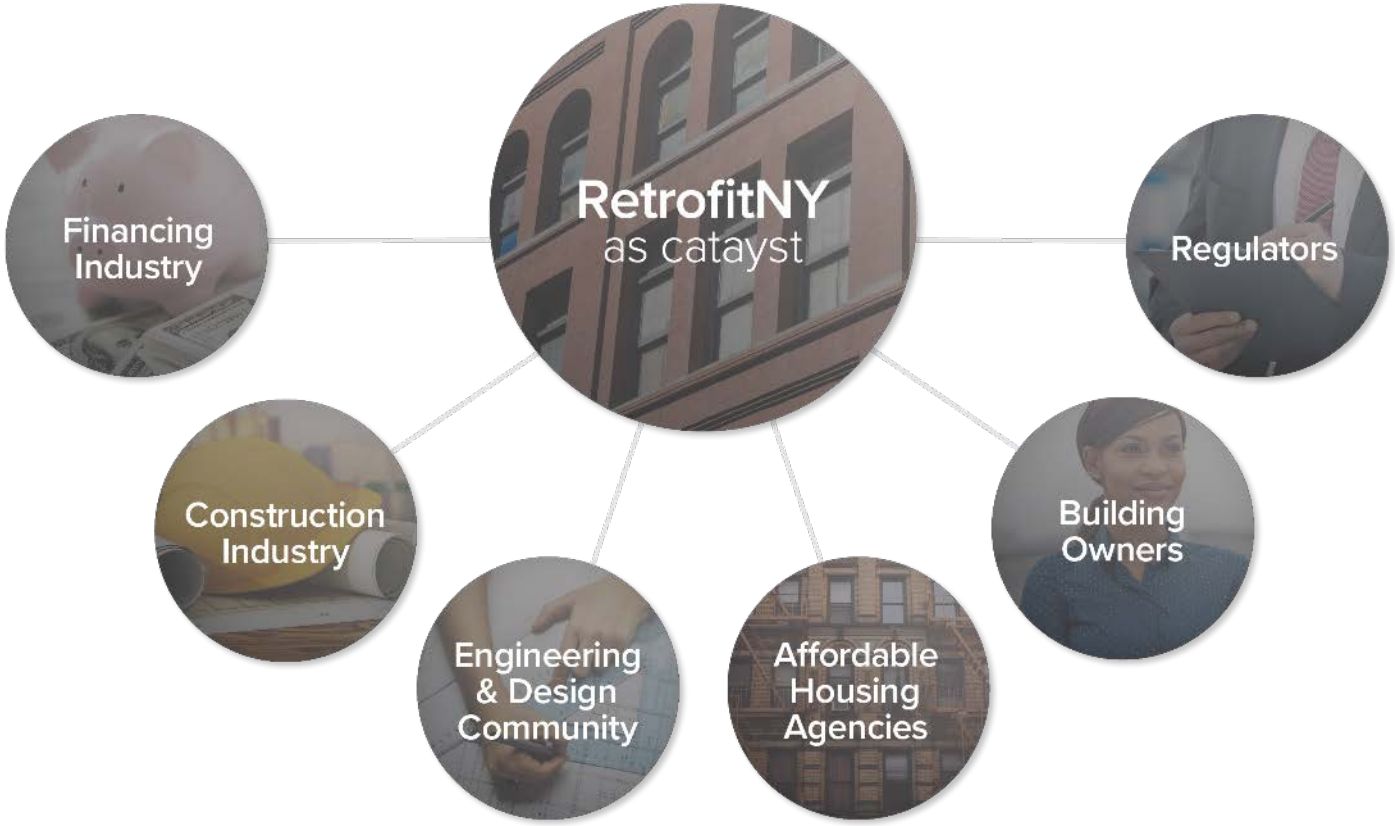
RetrofitNY's Role: Market Transformation & Aligning the Market



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United Kingdom

Germany

France

New York

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We're Going to Make It Easy

Elements

- New mechanical works
- Highly insulated building envelope
- Solar

The Business Opportunity for Property Owners

1. Increase property value
2. Better health, comfort, and affordability
3. Similar or lower net cost of rehab per unit
4. Lower maintenance and operation costs

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Where we'll be in five years

The solutions exist, more and more buildings are being retrofitted, the market is taking off.

The solutions can be financed and built easily.

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Where we'll be in one year

The first round of pilots are being built and tested, and the second round of pilots are beginning to improve performance and lower costs.

A 10-Year, Multiphase Initiative

Preparation	Pilot Projects	First Market	Market Growth	
Owner Engagement	Build a Pipeline of Demand			
Solutions Design	Create Net-Zero Retrofit Solutions			
Issue Analysis	Adapt Regulations to Stimulate the Market			
Financiers Engagement	Activate Accessible and Affordable Financing			

Volume Market for "Net Zero" Retrofits

Design RFP release Q1 2018

First of a series

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Proof of Concept Design

6 teams and buildings covering 2 building typologies

Open Source Design Effort

- Paid design exercise
- By qualified team of building-sector actors
- On actual buildings
- Where the owners are involved
- Financial and regulatory hurdles will be addressed

+

Designed For

- Net-zero energy use or approaching
- Residents in place
- Fast delivery
- Same cost of living for residents
- Performance and comfort guarantee

+

Delivering

- Robust conceptual technical solutions
- With improved total cost of ownership
- That can be specified with existing materials
- Capable of being built as a pilot
- With applicability to other buildings

=

With the Expected Result of

- Motivated owners that trust the solutions
- Designs that can be executed
- Clarity on what regulations may need adjustment
- Trust and understanding of the financial models

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How to Get Involved

- Alert affordable housing owners to RFP
- Input on business model to benefit residents
- Advise on resident engagement strategy
- Encourage stakeholder buy-in

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Thank You

retrofitny@nyserda.ny.gov

NYC Retrofit ACCELERATOR

MAKING ENERGY EFFICIENCY EASIER

Jennifer Silkowitz
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Jennifer@nycRetrofit.org

nyc.gov/RetrofitAccelerator

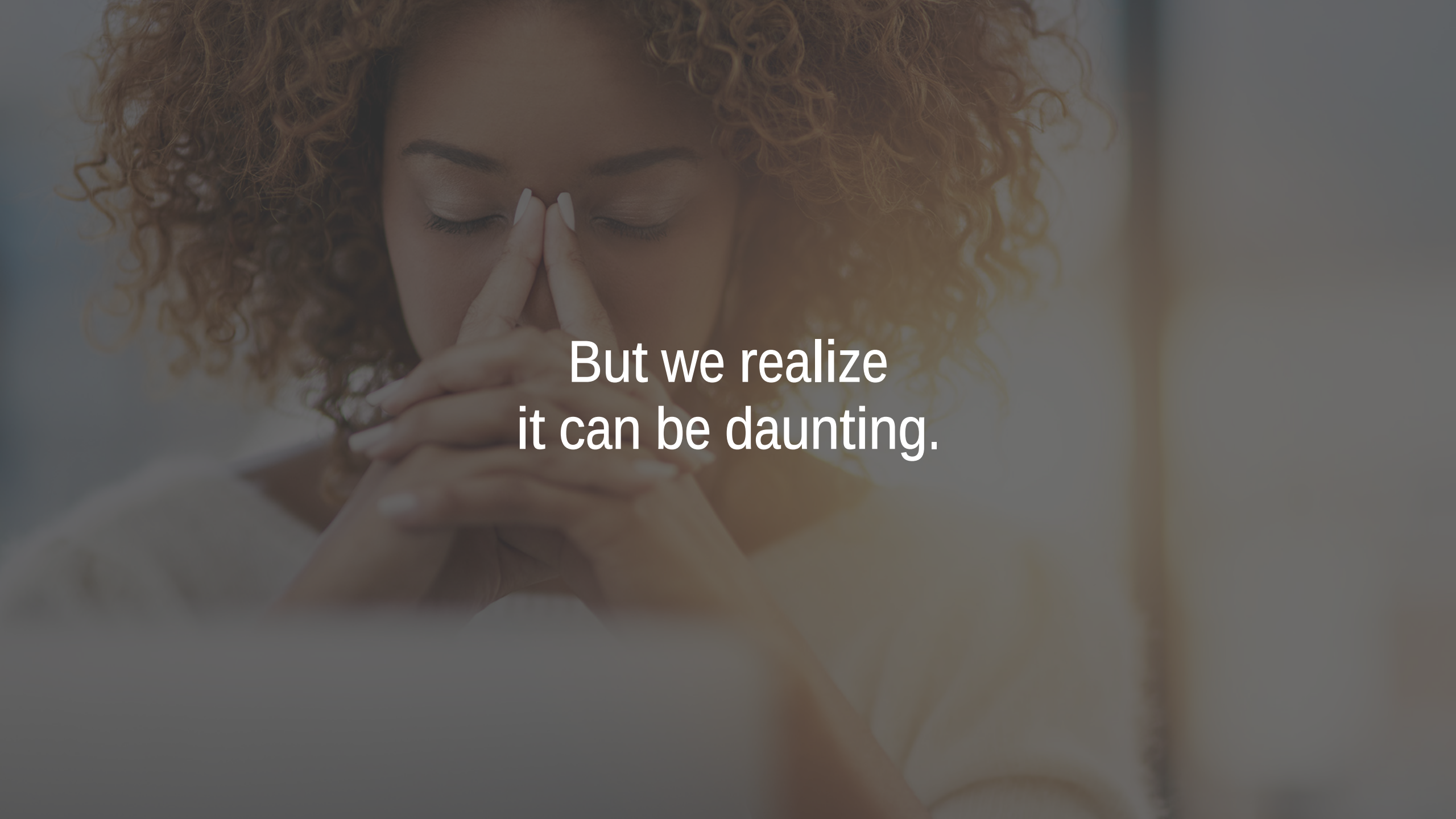
NYC Mayor's Office of Sustainability
Mayor Bill De Blasio

#ONENYC

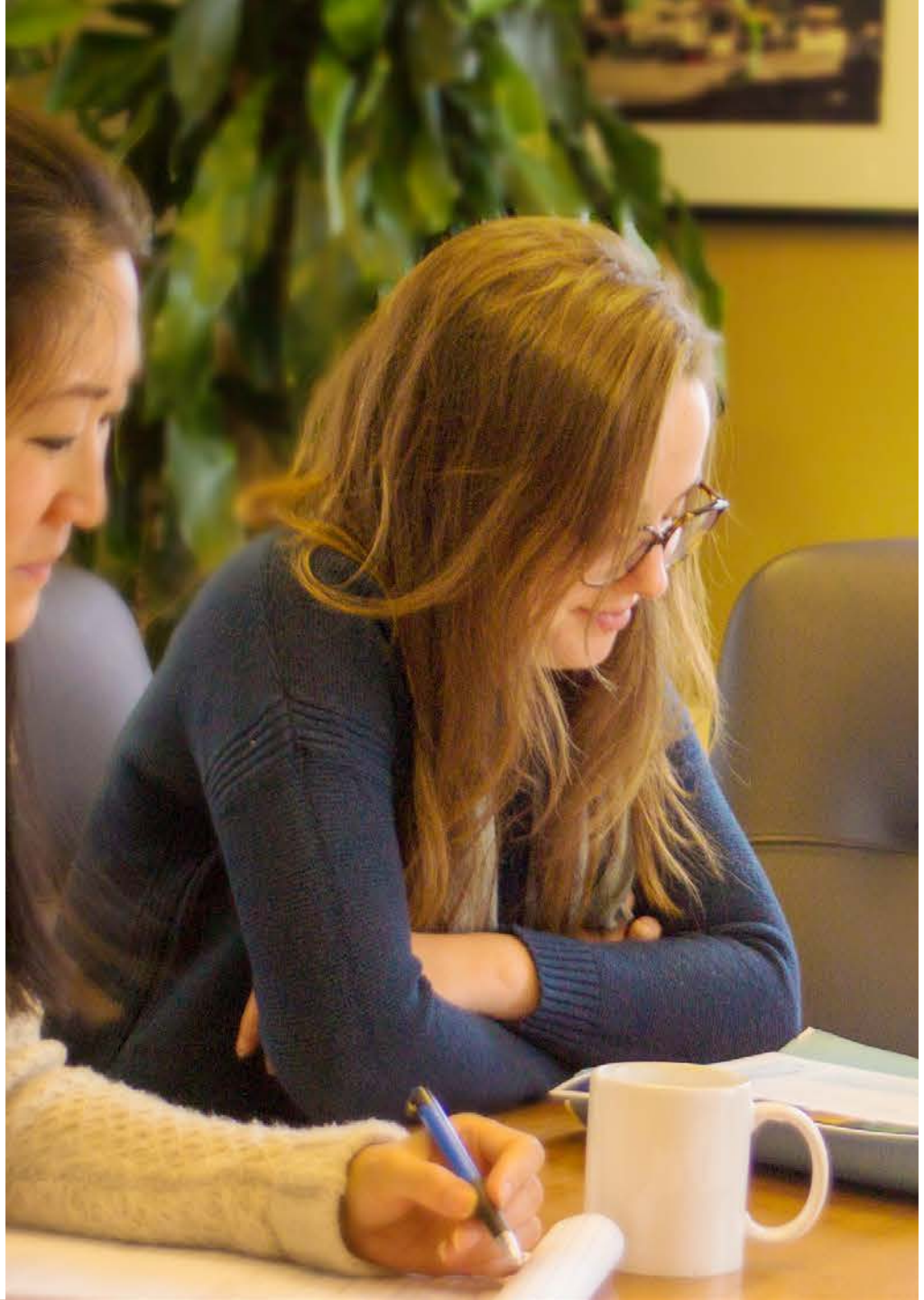
NYC Retrofit ACCELERATOR

Free, personalized advisory services that streamline the process of making energy efficiency improvements

ENERGY EFFICIENCY IS GOOD FOR BUILDINGS


But we realize
it can be daunting.

We make it easier.
More efficient.



And our help is
completely free.

Anne Rahikainen, Efficiency Advisor

Our **Efficiency Advisors** will guide you every step of the way.

We're already working with **over 4,000 buildings** across all five boroughs.

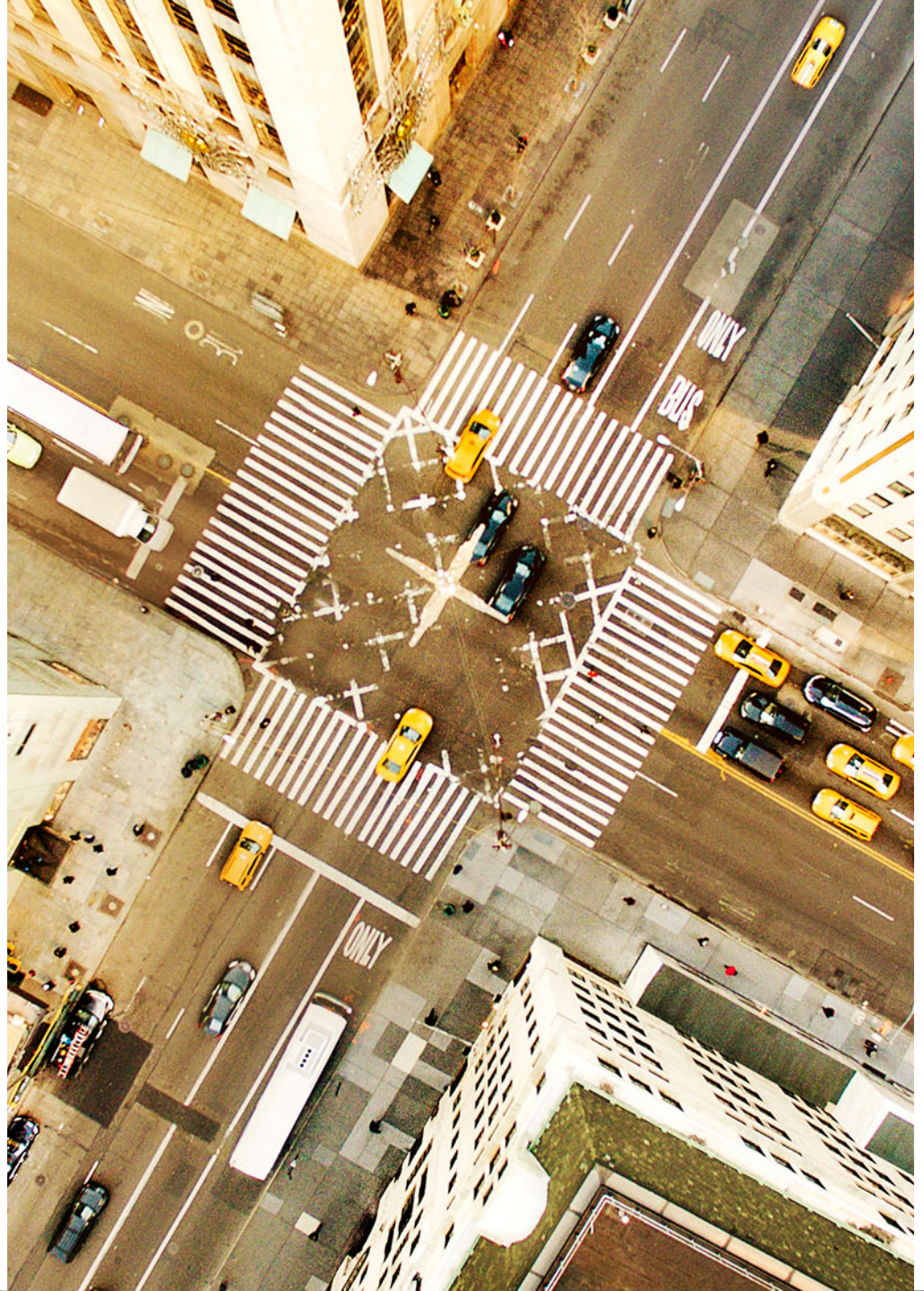
ENERGY EFFICIENCY IS GOOD FOR OUR CITY

Together we can reduce air pollution.

And achieve our commitment to reduce greenhouse gas emissions 80% by 2050.

90%

of NYC buildings will still be here in 2050.



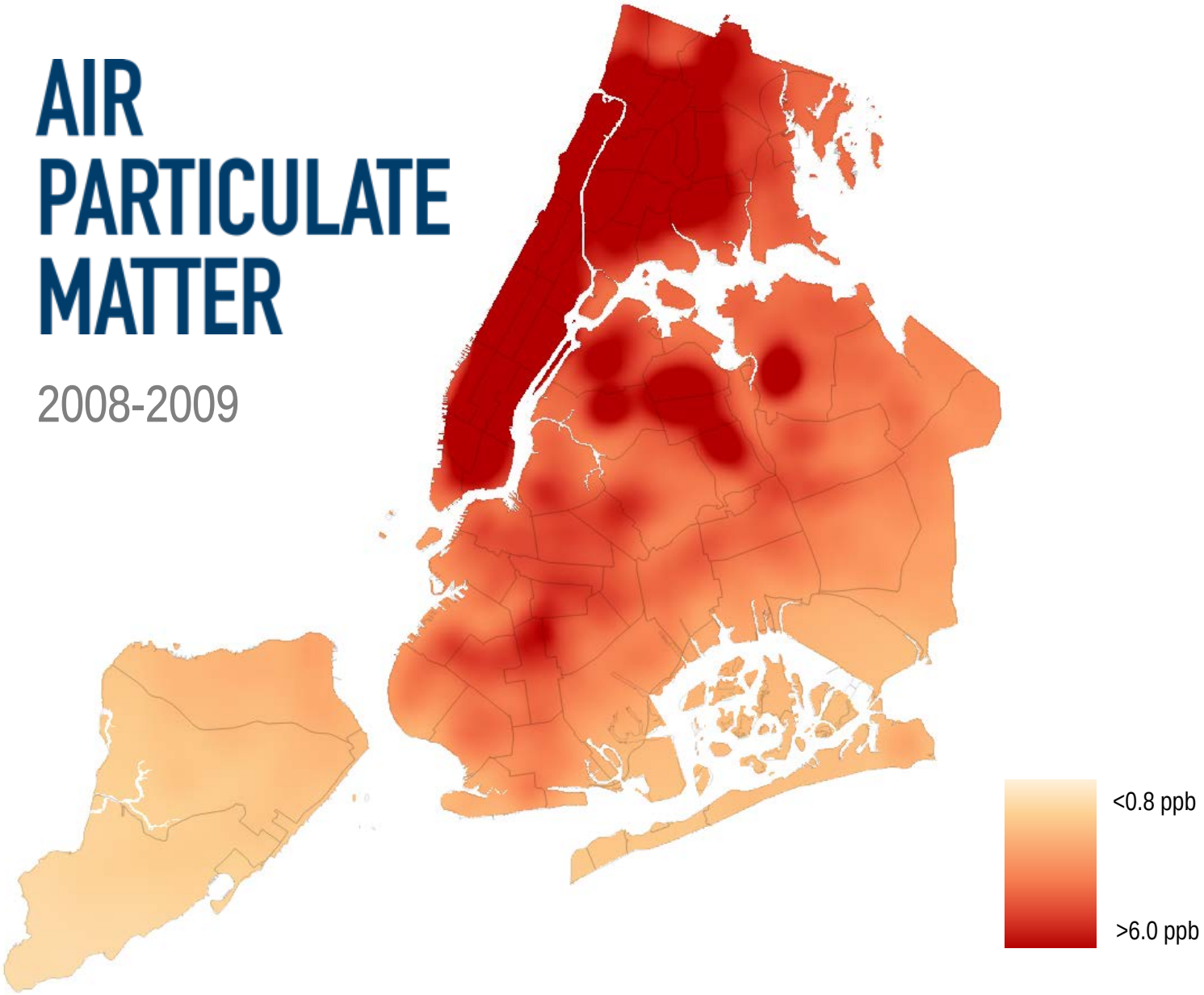
Nearly

70%

of our GHG emissions come from buildings.

NYC Clean Heat was a success

- Assisted over 6,000 buildings
- NYC air is now the cleanest in 50 years



SO_2 (ppb), Source: NYC Department of Health and Mental Hygiene

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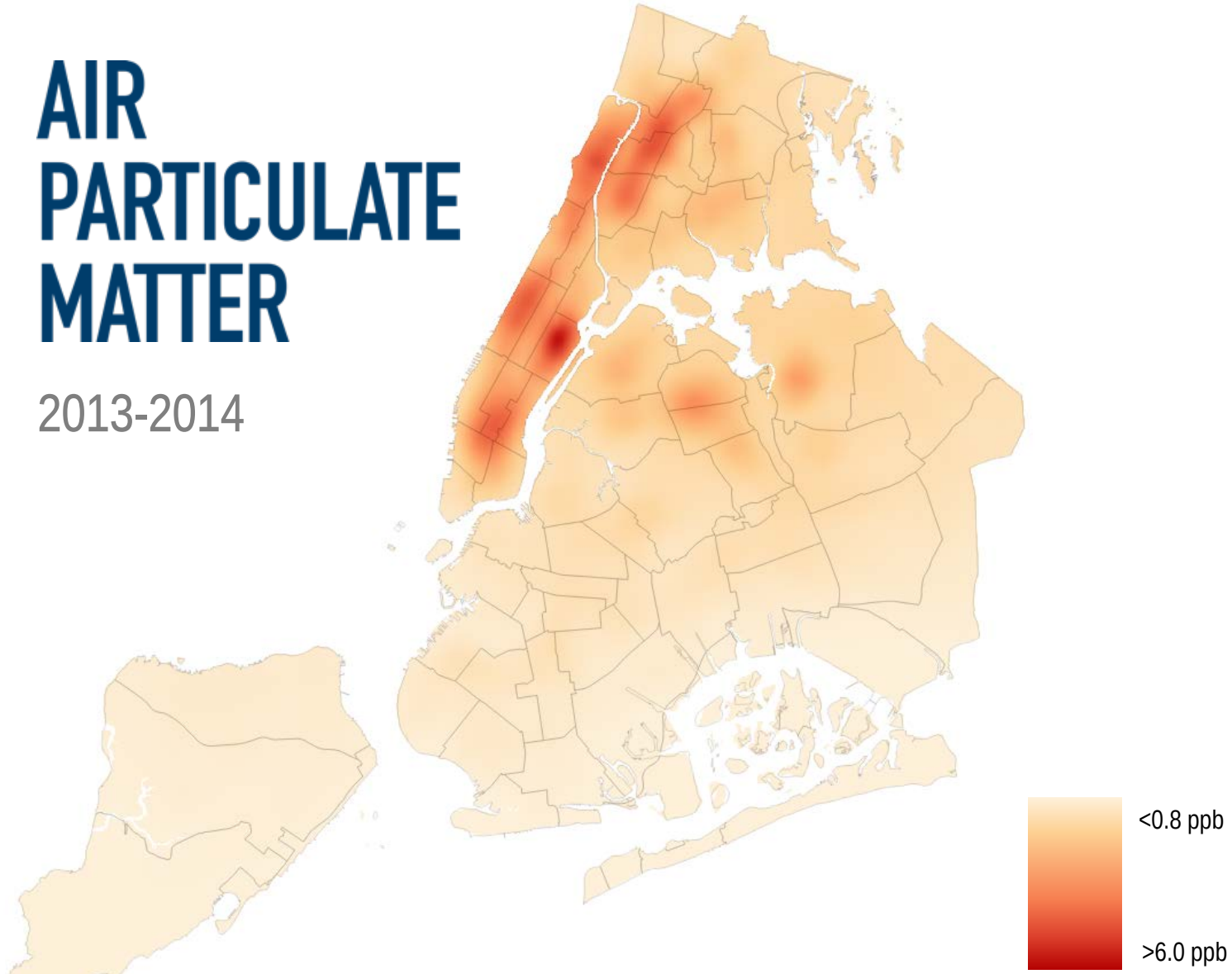
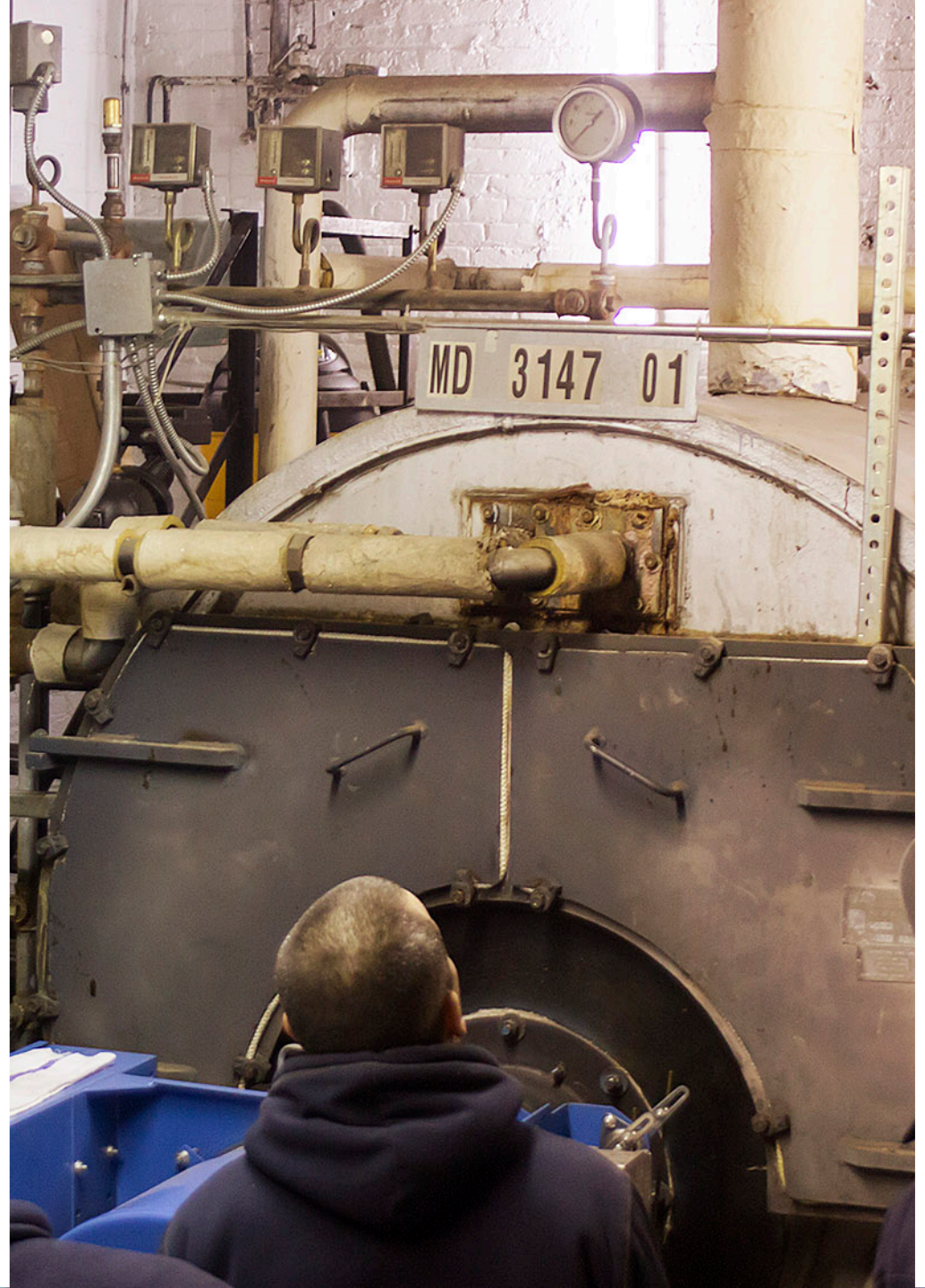


SO_2 (ppb), Source: NYC Department of Health and Mental Hygiene

We're here to help. So you can breathe easier.

Take this co-op in Queens.

- Outdated lighting
- Overheating complaints
- Roof space for solar panels



They completed an energy audit.

But didn’t know how to take the next step.

We helped them:

- Update their lighting with $11,000 in incentives
- Complete a heating study
- Evaluate solar options

Now residents enjoy their building more than ever. And they're saving money.

"I saw a tweet about the city's Retrofit Accelerator program, and I jumped on the opportunity. They responded fast and were of immense help to us."

- Charlie McNally, Board Member

The NYC Retrofit Accelerator also offers training for building staff.

We provide educational resources through our partner, the Building Energy Exchange.

be ex

building energy exchange

There’s more money out there. NYCEEC can guide you through financing options.

NYCEEC

BUILDING FINANCIAL SOLUTIONS

We’re here to help you through every step now and in the future.

People will
be happier.

More
comfortable.

And will even
save money.

You'll control building costs.

We'll make the process as easy as possible.

Upcoming Event

- NYC Retrofit Accelerator Hands-on Training:
  - 9AM – 3PM, Solar One Lab in Long Island City
    - Heating and Air Sealing, February
    - Water Conservation and Plumbing, February
    - Energy Efficiency Electrical, March
    - ***Register:*** ***NYCRetrofitTraining.Eventbrite.com***
    - ***Questions?*** ***Email training@nycretrofit.org***

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nyc.gov/RetrofitAccelerator

NYC Mayor's Office of Sustainability
Mayor Bill De Blasio

#ONENYC

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Join us for upcoming webinars.

Wednesday, February 21, 2018 @ 1:30-2:30 p.m. ET
Energy Efficiency Financing for Low- and Moderate-Income Households: Current State of the Market, Issues, and Opportunities

Wednesday, March 21, 2018 @ 1:30-2:30 p.m. ET
Using Community Block Grant Funding to Support Local Low- to Moderate-Income Solar Participation

nyserda.ny.gov/LIFE-Webinar-Series

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Save the Date

LIFE 2018 Statewide Conference

New York State: Leadership in Advancing Clean Energy Solutions for Low-Income Residents and Communities

May 22-23, 2018

Albany, New York

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Find more information on the website

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Join the mailing list

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Newsletter suggestions, webinar ideas, event announcements

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Contact LIFE

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