



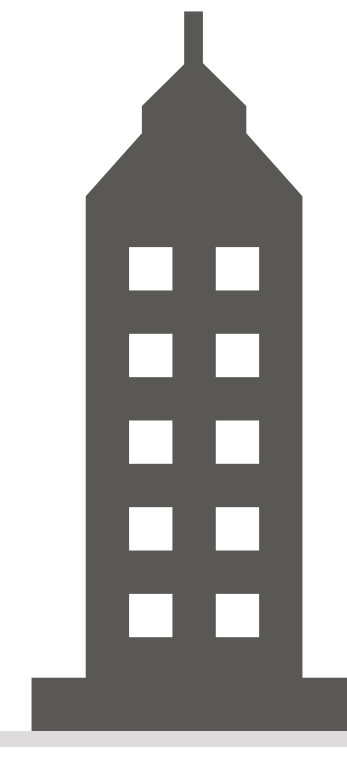
# 1515 Broadway



Manhattan

This unique tenant-landlord collaboration created a transformative sustainability program that optimizes operational efficiency, results in substantial energy savings, and fosters meaningful employee engagement.

### building type

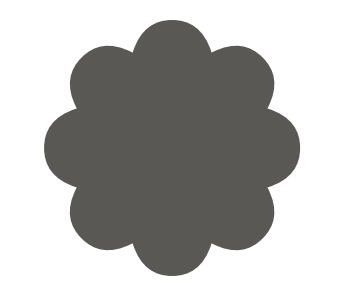


Very Large Commercial

**built**  
1972

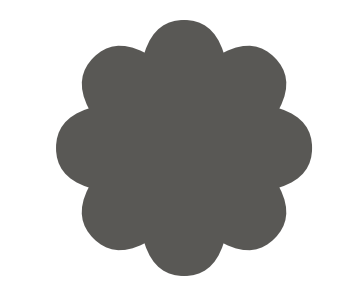
**retrofit**  
2012–2016

### heating fuel

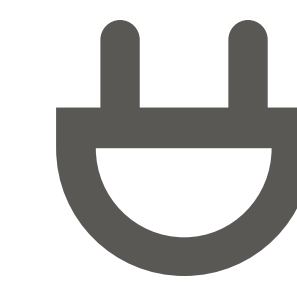


district steam

### cooling fuel

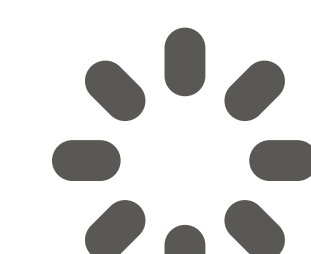


district steam



electric

### systems upgraded



lighting



heating



envelope



domestic hot water



cooling



ventilation



controls



other



passive house

### public incentives



### annual cost savings (est.)

\$1,893,740

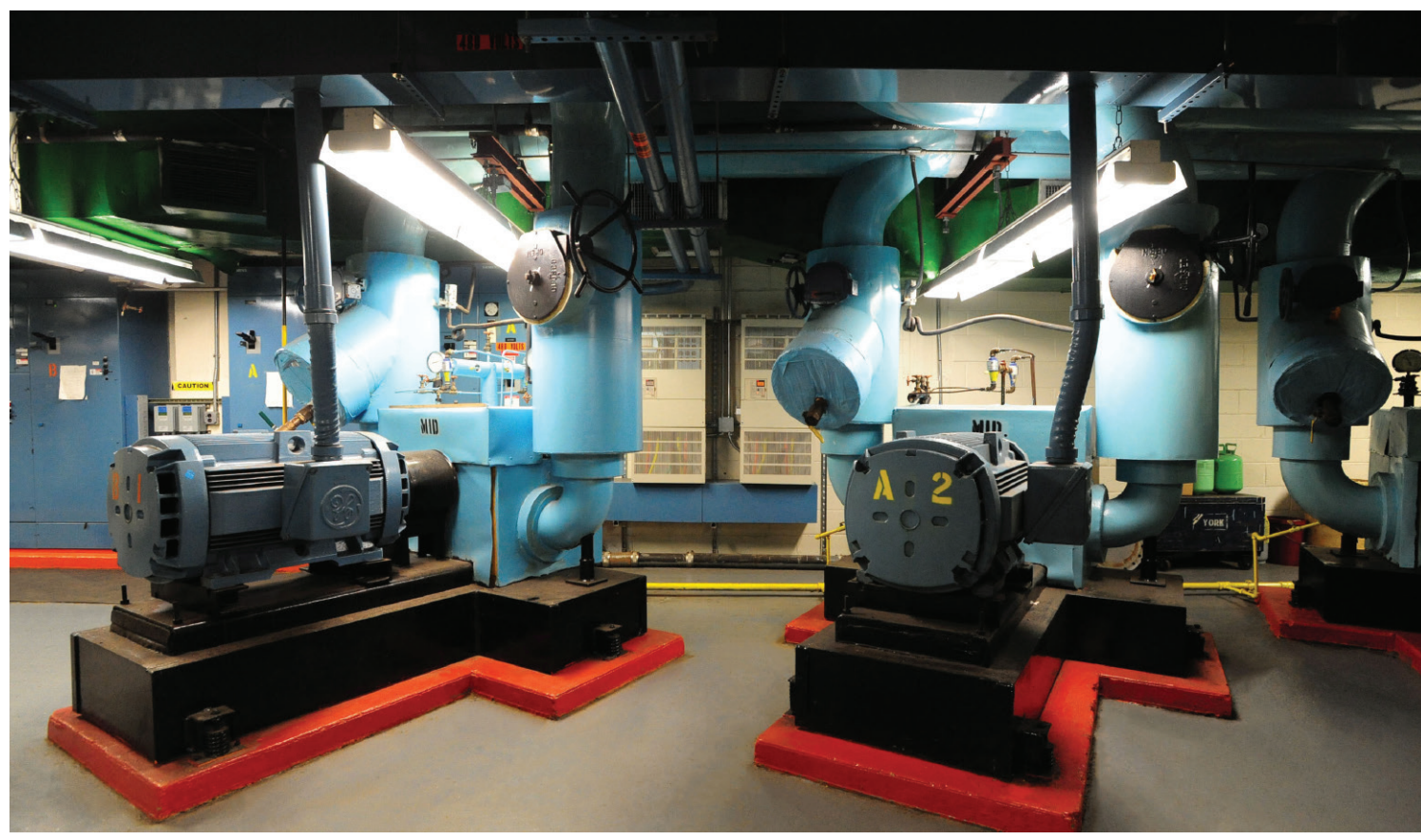
### utility cost savings (est.)



### project team

SL Green  
Viacom

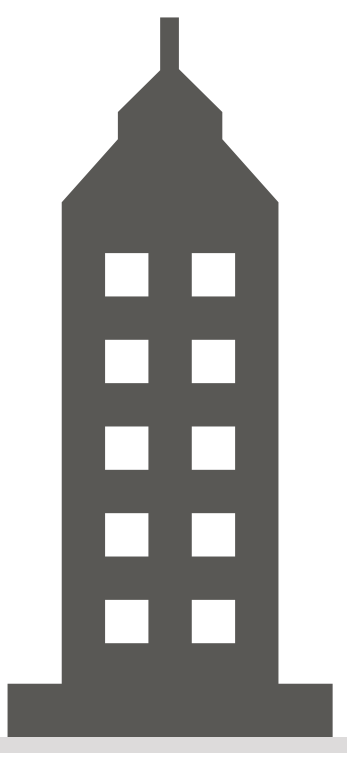
# Empire State Building



350 5th Avenue · Manhattan

This retrofit of one of the most iconic buildings in New York City was driven by rising energy costs in a volatile market, coupled with widespread interest in reducing carbon emissions and building energy use.

### building type



Empire State

**built**  
1931

**retrofit**  
2017

### heating fuel



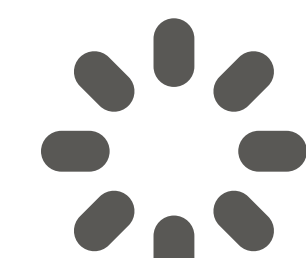
gas

### cooling fuel



electric

### systems upgraded



lighting



heating



envelope



domestic hot water



cooling



ventilation



controls



other



passive house

### public incentives



### annual cost savings (est.)

\$4,400,000

### project team

The Clinton Climate Initiative  
Jones Lang LaSalle  
The Rocky Mountain Institute  
Johnson Controls, Inc.  
Empire State Building Operations

We acknowledge with thanks the permission of The Empire State building to use these images

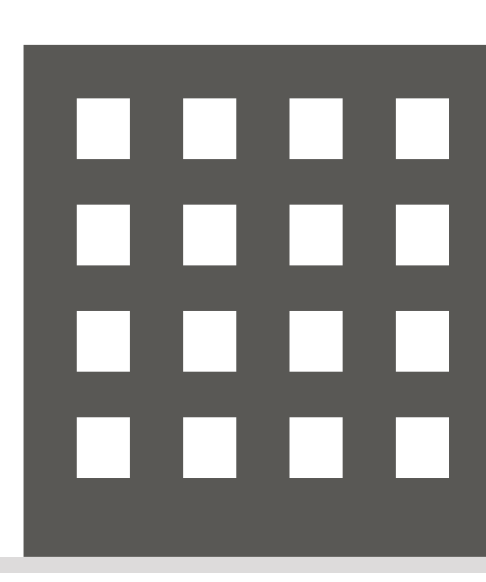
# NYCHA Portfolio



Multiple properties from the New York Housing Authority portfolio

The NYC Housing Authority utilized NY Green Bank financing and Con Edison incentives to complete a massive efficiency update to buildings within peak demand pockets and buildings impacted by Hurricane Sandy.

### building type

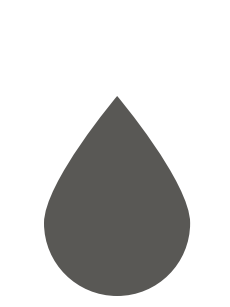


Large Residential

**built**  
1950s

**retrofit**  
2017–present

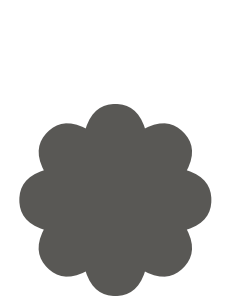
### heating fuel



oil



gas



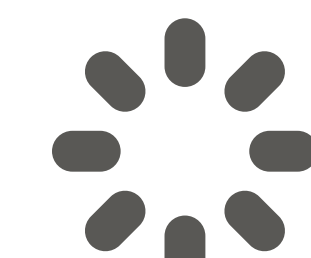
district steam

### cooling fuel



electric

### systems upgraded



lighting



heating



envelope



domestic hot water



cooling



ventilation



controls



other



passive house

### public incentives



### utility cost savings (est.)



### project team

NYC Housing Authority  
NY Green Bank  
Con Edison  
Constellation, an Exelon company  
Willdan Energy Solutions  
Stuart Erhardt (photography)