



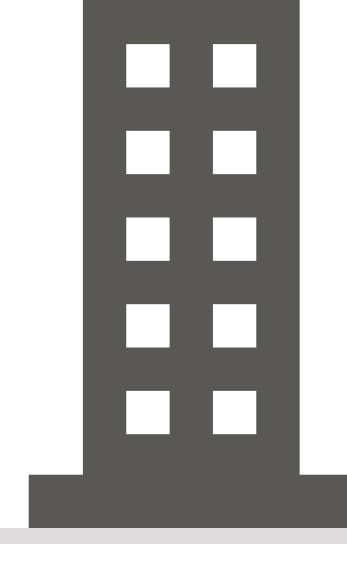
Crystal Building



40 West 20th Street · Manhattan

By retrofitting their headquarters in New York, the Natural Resources Defense Council was able to save enough energy to power 20 average American homes.

building type



Large Commercial

built

1911

retrofit

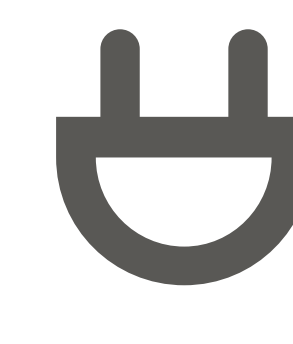
2013–2016

heating fuel



bio fuel

cooling fuel



electric

systems upgraded



lighting



heating



envelope



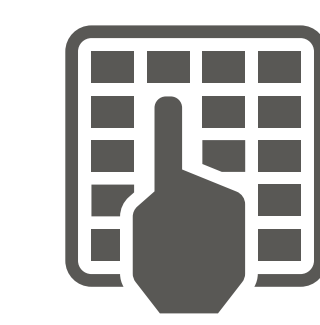
domestic hot water



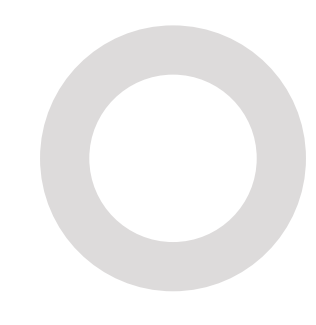
cooling



ventilation



controls



other



passive house

public incentives



annual cost savings (est.)

\$43,000

utility cost savings (est.)

20%

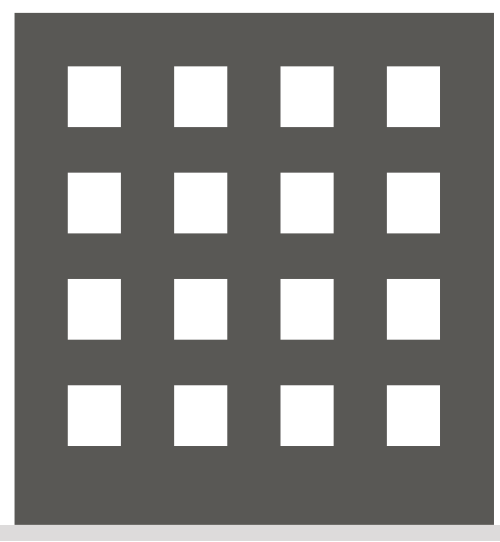
Park Lane North



118–17 Union Turnpike · Queens

Working closely with residents, this team improved the building's airtightness using a blower-door depressurization test to detect areas of outside air infiltration.

building type



Large Residential

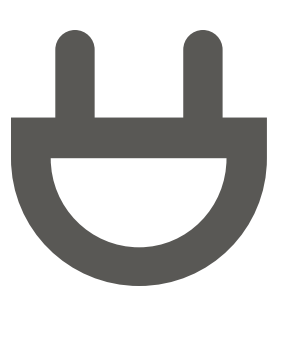
built

1973

retrofit

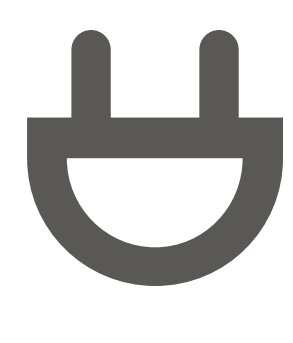
2015–2017

heating fuel



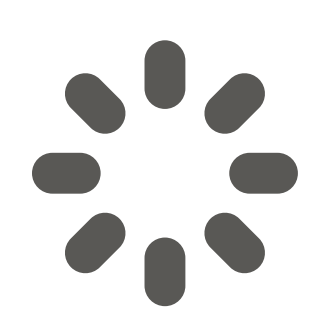
electric

cooling fuel



electric

systems upgraded



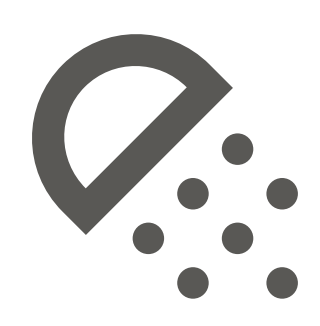
lighting



heating



envelope



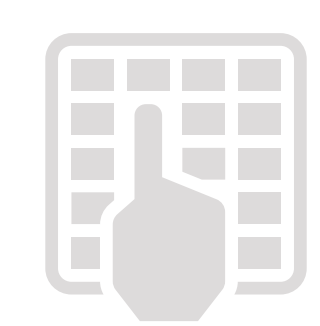
domestic hot water



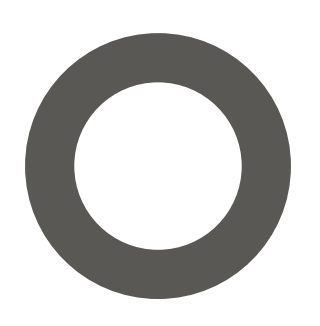
cooling



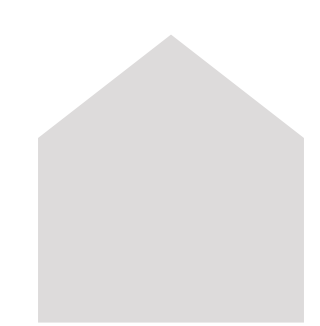
ventilation



controls



other



passive house

public incentives



utility cost savings (est.)

30%

The Fairview



61–20 Grand Central Parkway · Queens

This comprehensive retrofit included mechanical system upgrades that improved building performance, maximized energy savings, and reduced carbon emissions.

building type



Large Residential

built

1965

retrofit

2009–2017

heating fuel



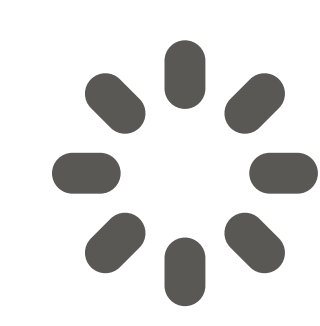
gas

cooling fuel



gas

systems upgraded



lighting



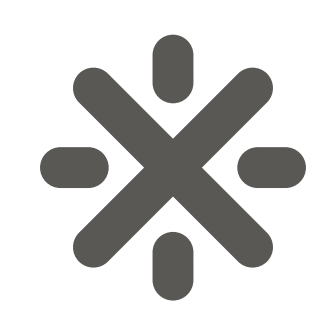
heating



envelope



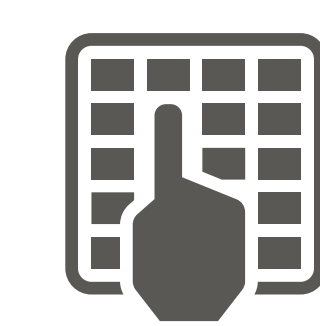
domestic hot water



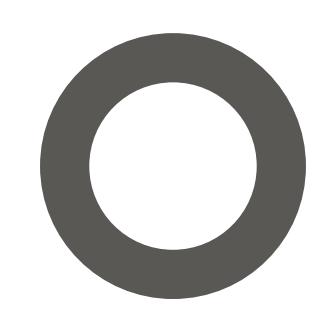
cooling



ventilation



controls



other



passive house

public incentives



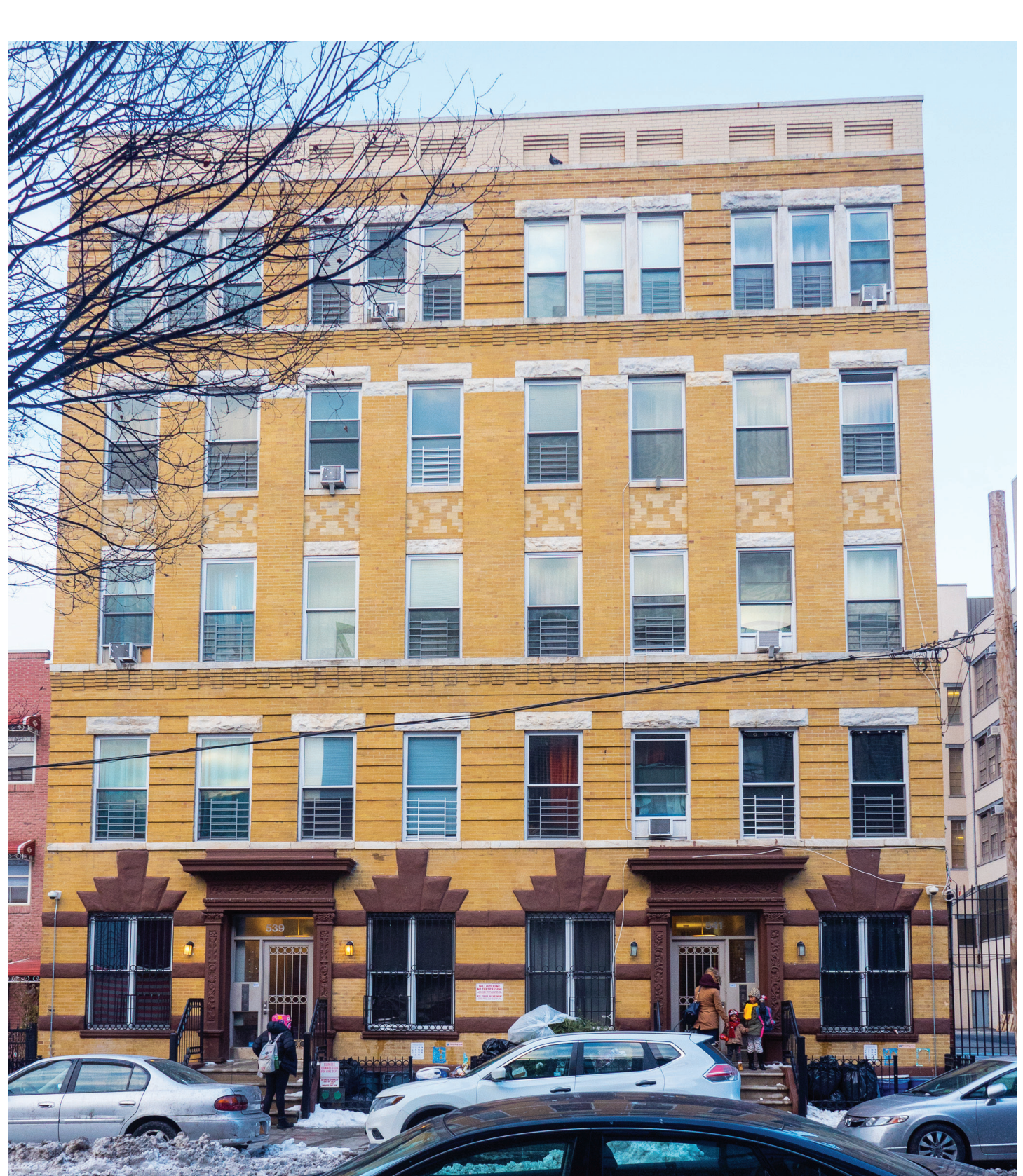
annual cost savings (est.)

\$544,087

project team

EN-POWER GROUP

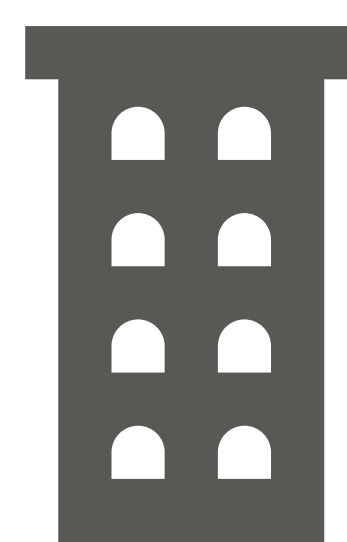
WFH Revival



539–541 East 147th Street · Bronx

This retrofit was completed as part of a first mortgage refinancing and renovation and is Enterprise Green Communities certified.

building type



Mid-size Residential

built

1915

retrofit

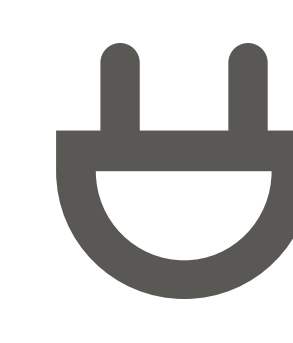
2017

heating fuel



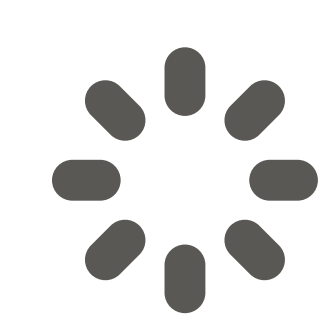
gas

cooling fuel



electric

systems upgraded



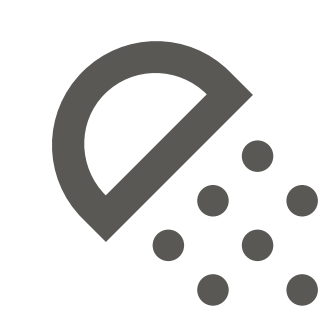
lighting



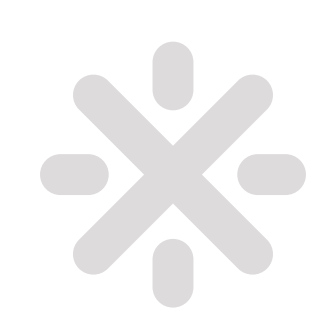
heating



envelope



domestic hot water



cooling



ventilation



controls



other



passive house

public incentives



project team

Workforce Housing Advisors
NYC Department of Housing Preservation and Development
Community Preservation Corporation