



**CAN WE
FUTURE-PROOF OUR
HISTORIC BUILDINGS?
PASSIVE HOUSE AND PRESERVATION
WORKING TOGETHER**

LEARNING OBJECTIVES

A photograph of a row of multi-story brick townhouses, likely in an urban setting. The buildings are made of reddish-brown brick and feature multiple windows with dark frames. Some windows have decorative lintels. The ground floor has arched doorways and small porches with steps leading up to them. In the foreground, there is a sidewalk, a tree with bare branches, and a dark trash can on the left. The overall scene is somewhat overcast.

- *Outline the perceived and real tension between preservation efforts and energy efficiency efforts*
- *Describe how Passive House is addressing many preservationists concerns*
- *Provide a profile of a project that is relatively easy to complete today and profile one that is still likely out of reach.*
- *List some of the areas where further collaboration and investigation is needed.*

WHICH IS A



PASSIVE HOUSE?



FIRST ENTERPHIT PASSIVE CERTIFIED RESIDENTIAL HOME IN A NYC LANDMARK DISTRICT, BROOKLYN HEIGHTS
BAXTINGUI ARCHITECTS 4



PHOTO: PETER PEIRCE

**MANHATTAN
UPPER WEST SIDE**



**BROOKLYN
CARROLL GARDENS**



**BROOKLYN
BROOKLYN HEIGHTS**



**BROOKLYN
BROOKLYN HEIGHTS**

...▶ **WHAT DO THESE HOUSES
HAVE IN COMMON?**

.....► THEY ARE ALL PASSIVE HOUSES IN LANDMARKED DISTRICTS

(COMPLETED/IN PROGRESS)



MANHATTAN UPPER WEST SIDE

- **First Certified Passive House in Manhattan (2016)**
- **LEED Platinum**
- **NYC Landmarked District**



BROOKLYN CARROLL GARDENS

**NOT IN A LANDMARKED DISTRICT,
BUT TREATED AS SUCH*

- **First Passive Plus Certification in Brooklyn**
- **Solar efficiency: 90-100% usage**



BROOKLYN BROOKLYN HEIGHTS

- **First Passive House in a Landmarked District**



BROOKLYN BROOKLYN HEIGHTS

- **Targeting Certified Passive House for New Construction**

UPPER WEST SIDE TOWNHOUSE

FIRST CERTIFIED PASSIVE HOUSE IN MANHATTAN

IN MORE DETAIL

LANDMARKED DISTRICT

LEED PLATINUM

TAFFERA FINE BUILDING & FINISHES, INC.



BEFORE



AFTER



BEFORE



AFTER