

LIC CORE STUDY

COMMUNITY WORKSHOP

**LAND USE, AFFORDABLE HOUSING,
CLIMATE RESILIENCY**

AUGUST 8th, 2017

NYC's flood risk is high.

The floodplain affects a large geography and most community and council districts.

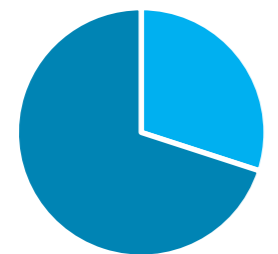
100 Year Floodplain FEMA 2015 PFIRM

Population: **400,000**
Buildings: **71,500**

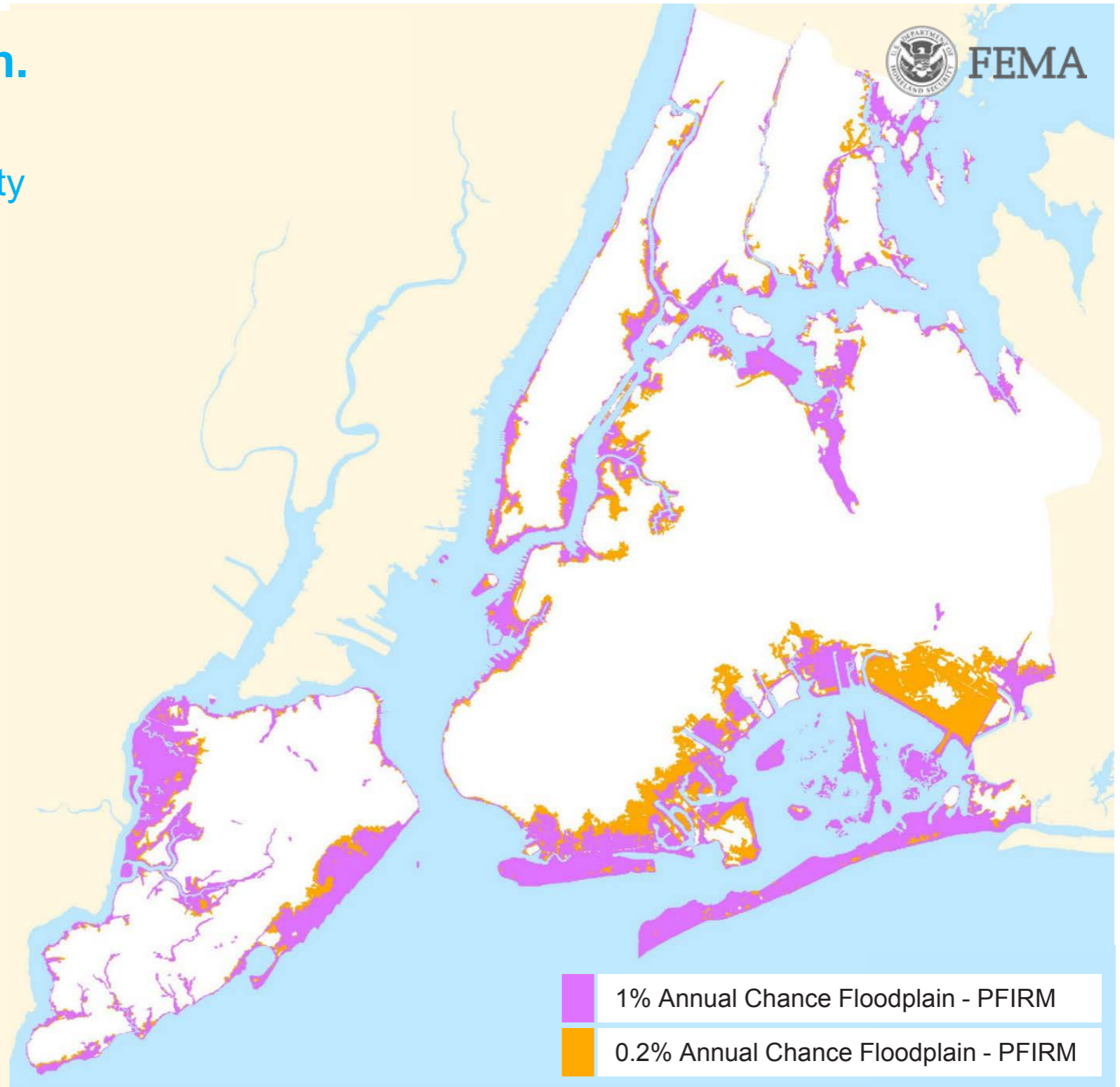
50 of 59 Community Boards
45 of 51 Council Districts



Buildings:
80% 1-4 units
7% 5+ units
13% nonresidential






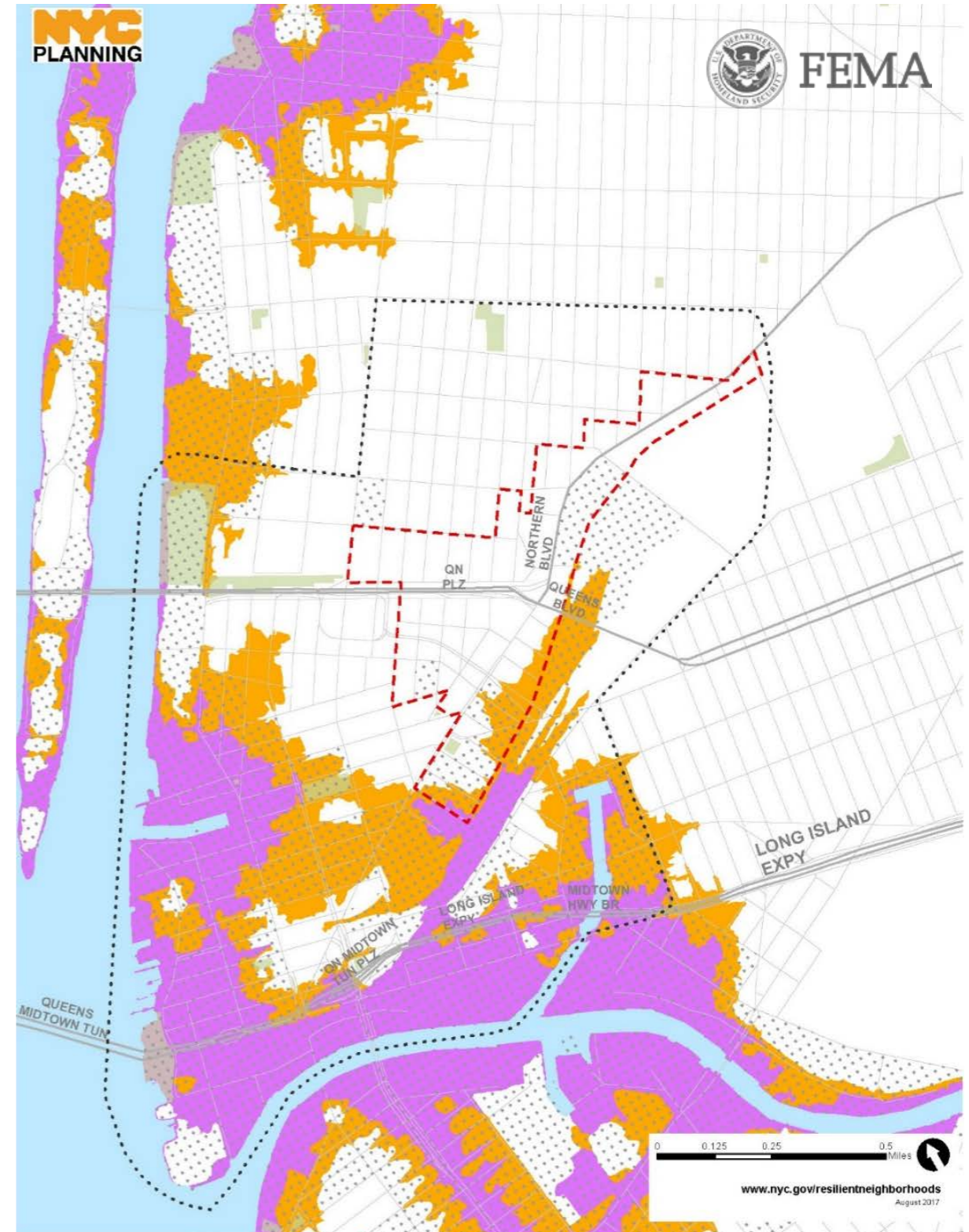
Residential
Units:
30% 1-4 units
70% 5+ units



Flood risk in LIC Context Area

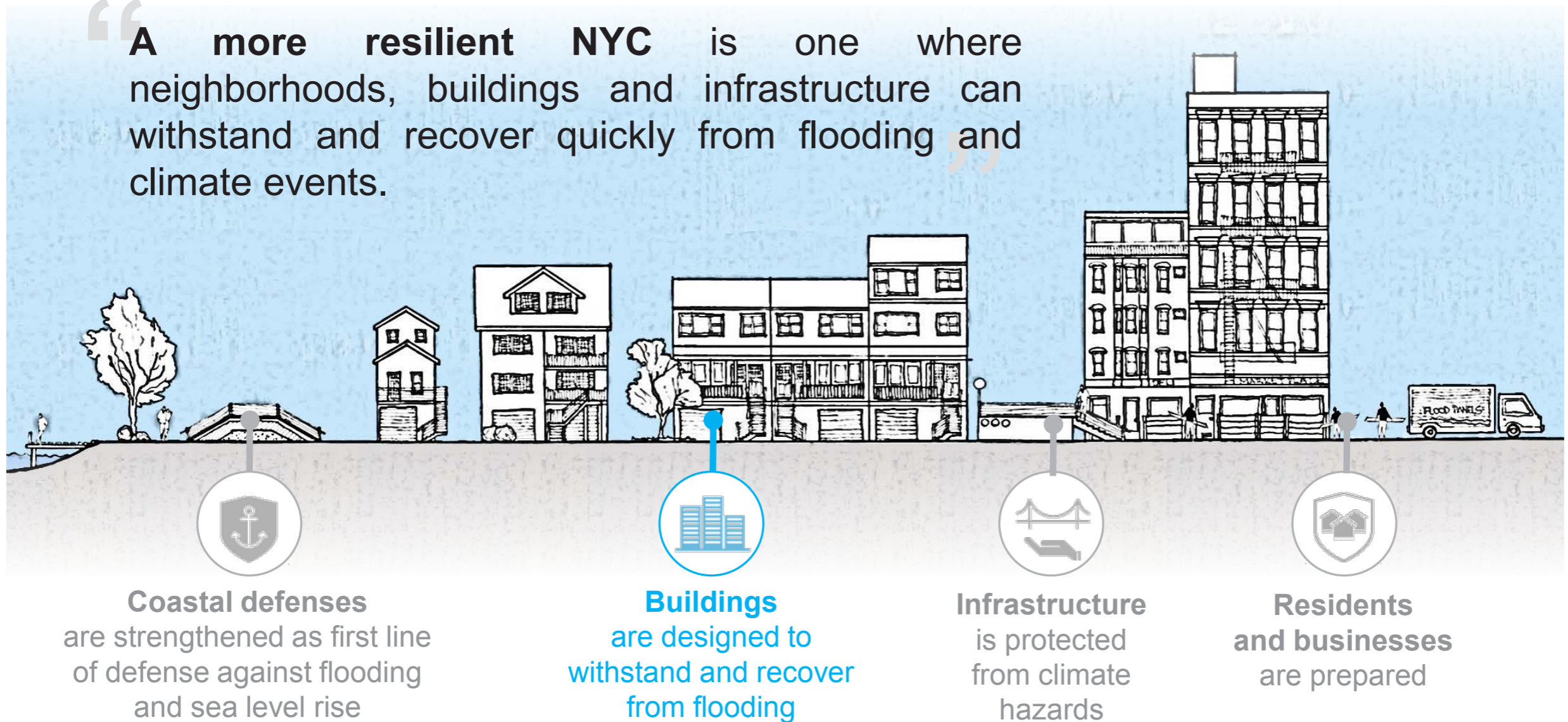
	PFIRM 1% Annual Chance	PFIRM 0.2% Annual Chance
Residential Units in Floodplain	6,413	13,405
Buildings in Floodplain	388	1,007

-  LIC Core Study Area
-  LIC Core Context Area
-  Hurricane Sandy Inundation Area



#ONENYC

“A more resilient NYC is one where neighborhoods, buildings and infrastructure can withstand and recover quickly from flooding and climate events.”





FEMA



Flood Insurance Rate Maps (FIRMs)

Determine where floodplain regulations apply



National Flood Insurance Program

Set up Insurance Rates depending on building elevation and other requirements



Construction Standards (ASCE 24)

Design minimum construction requirements for flood hazard areas

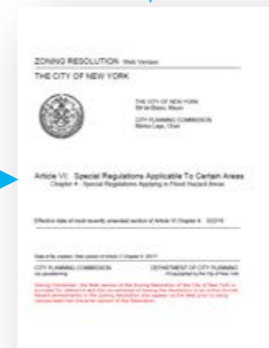
NYC

Building Code (DOB)

Requires new buildings and substantial improvements to meet FEMA standards

Zoning Resolution (DCP)

Zoning accommodates these regulations and improves neighborhood character



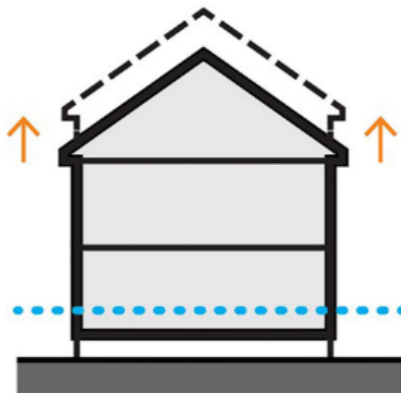
Amended zoning in six key areas

Zoning Resolution
(DCP)

1

Height

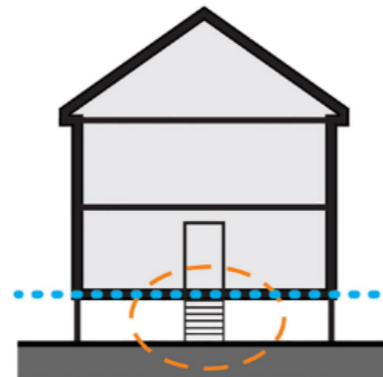
Measured from flood elevation



2

Access

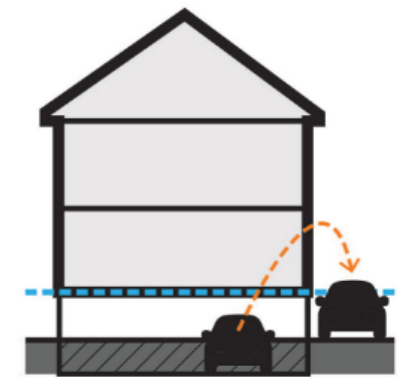
Flexibility for stairs, ramps, and lifts



3

Parking

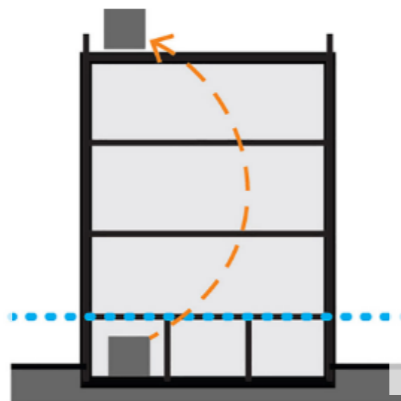
Flexibility to relocate parking



4

Systems

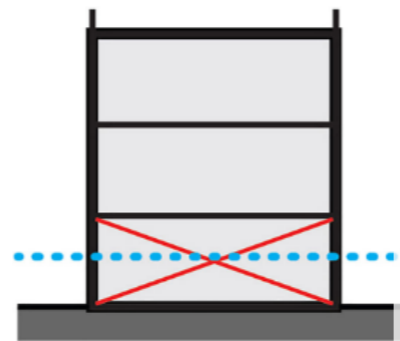
Flexibility to relocate/elevate



5

Ground Floors

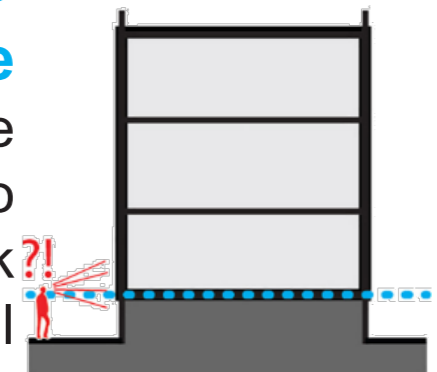
Account for costs of new flood risk



6

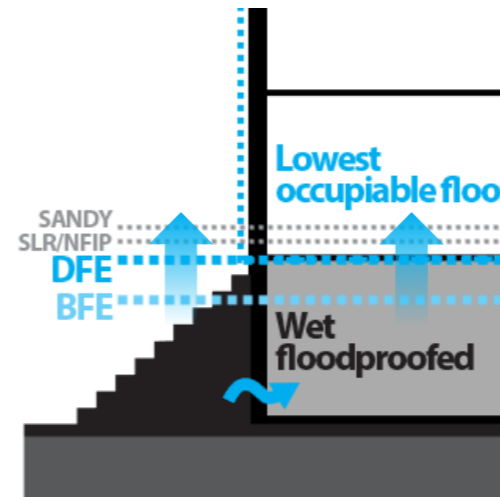
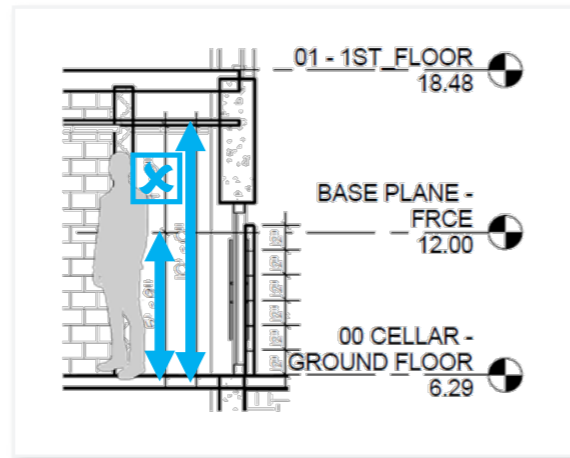
Streetscape

Require features to mitigate blank wall



Need for a new citywide text amendment

Zoning Resolution
(DCP)



1

Make the provisions of the current, temporary 2013 Flood Text **permanent**

2

Fix and improve provisions based on studies, lessons learned, and outreach

3

Begin to **promote** new development + proactive retrofitting to high resiliency standards

4

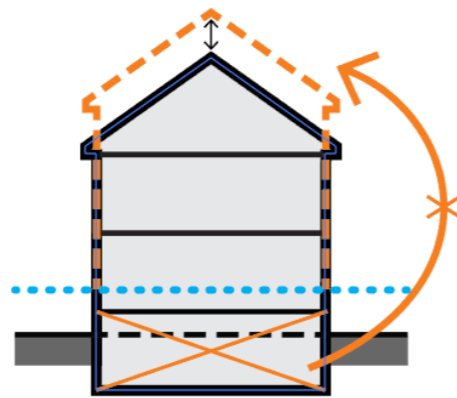
Encourage good resilient construction that enhances the character of coastal communities

Fix and improve provisions based on lessons learned

Zoning Resolution
(DCP)

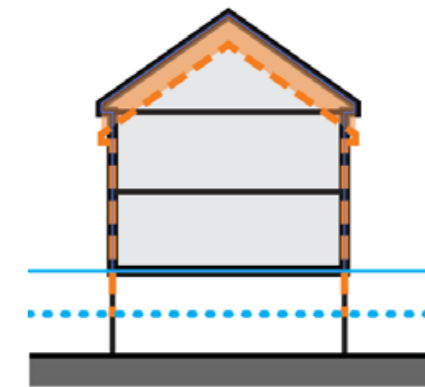
1 Height

Homeowners may face the loss of subgrade spaces when retrofitting



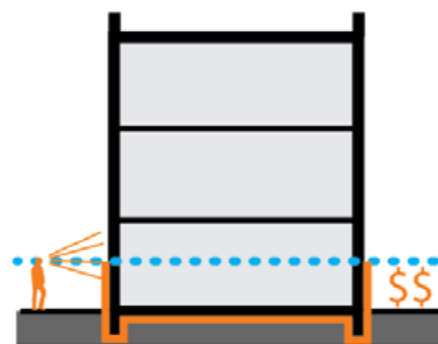
2 Height

Property owners may want to address future risk by over-elevating



3 Ground Floors

Current incentives to keep active ground floors may not be enough



4 Improve Streetscape

Mitigate the effects of elevated buildings on neighborhood character

