Strategies for Multifamily Housing
Resilience
A Penthouse for a Boiler, 334 East 8th Street Lower East Side, NYC
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MANTÉNGASE SEGURO
UNA GUÍA PARA EL DISEÑO DE VIVIENDAS RESILIENTES EN COMUNIDADES ISLEÑAS

KEEP SAFE
A GUIDE FOR RESILIENT HOUSING DESIGN IN ISLAND COMMUNITIES
FUTURE STORMS ARE PROJECTED TO BE MORE INTENSE, WITH LARGER PEAK WIND SPEEDS AND INCREASED EXTREME RAINFALL EVENTS.

SEVERE FLOODING FROM EXTREME RAINFALL AND STORM SURGE WILL LEAD TO LANDSLIDES AND EROSION.

WARMER TEMPERATURES AND DRIER SEASONS WILL LEAD TO MORE EXTREME HEAT, DROUGHT AND FIRE EVENTS.

SEA LEVEL RISE WILL CONTRIBUTE TO FLOODING IN COASTAL AREAS, AND INCREASE RETREAT OF THE SHORELINE.

INCREASING SEISMIC ACTIVITY IS PROJECTED TO IMPACT THE REGION, LEADING TO EARTHQUAKES, TSUNAMIS, LIQUEFACTION AND LANDSLIDES.

INCREASE FREQUENCY OF EXTREME RAINFALL EVENTS WILL ALSO CAUSE LANDSLIDES.
KEEP SAFE CHAPTERS

- Introduction
- Chapter 1: A Safer Site
- Chapter 2: Building Protection
- Chapter 3: Passive Habitability
- Chapter 4: Energy Generation
- Chapter 5: Water Management
- Chapter 6: Household Preparedness
- Chapter 7: Community Engagement
Faces of Resilience

People
The extent of personal discomfort, harm, injury, or loss of life.

Physical Assets
Loss or damage to structural and architectural building components, MEP and IT equipment, utilities, landscaping, contents.

Operations
Disruption to building operations and functionality, occupancy, egress/ingress, critical systems, or lab activities.

Revenue
Loss of revenue due to business interruption, specifically in relation to tenants.

Reputation
Negative media attention or impact on industry reputation in the aftermath of an impactful shock or stress.
“The house is the place where both planning and community development impact upon the family and individual. Planning for housing should consider the social, economic and psychological needs of the individuals and families who will occupy the housing. And housing must be considered within the community context.”

Lucilla Fuller Marvel
OUR OPPORTUNITY

• FEMA-BRIC and HGMP
• HUD- CDBG, CDBG-DR, CDBG-MIT
• Community Reinvestment Act