

100 Resilient Cities: Norfolk, Virginia



100 Resilient Cities

Rockefeller Foundation's Centennial Initiative

- Increasing number of the world's population living in cities
- Human wellbeing in cities relies on interconnected institutions, infrastructure and information
- Climate change, disease pandemics, economic fluctuation and terrorism pose increased challenges for cities and the systems that make them work

Resilience—Rockefeller Foundation

Resilience is the capacity of individuals, communities, and systems to survive, adapt, and grow in the face of stress and shocks, and even transform when conditions require it.

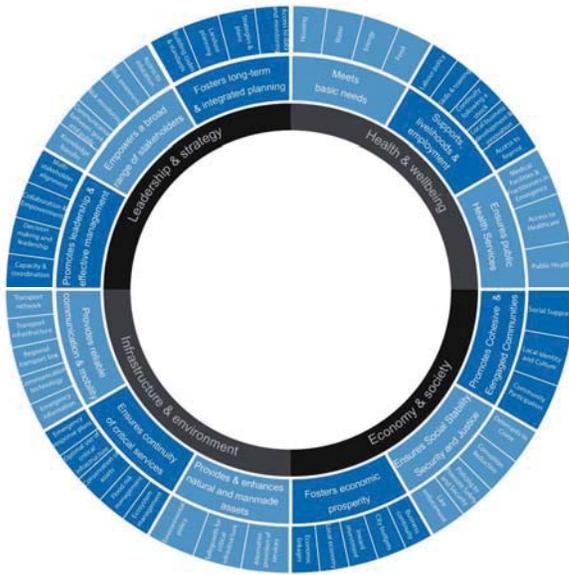


100 Resilient Cities

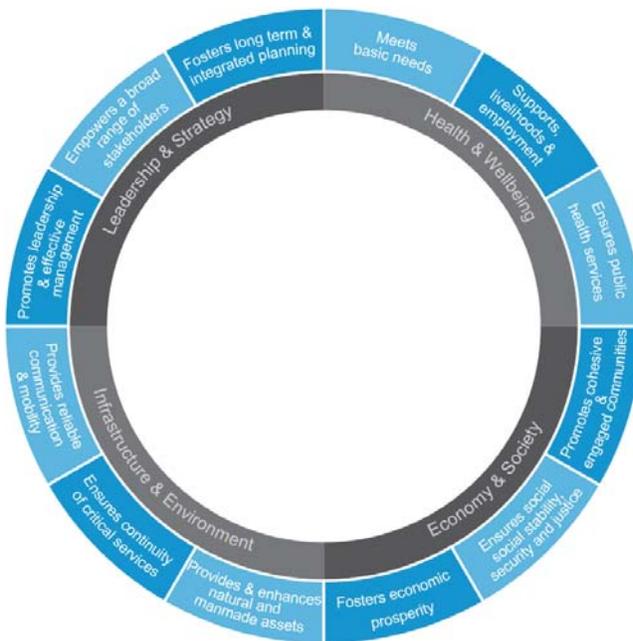
City resilience

- Risk Assessment and mitigation continue to play an important roll
- Building capacity
 - Individual health and well being
 - Economy and society
 - Urban systems and services
 - Leadership and strategy





Multiple factors contribute to resilience and there are multiple entry points for action



4 Categories
12 Indicators—
cities immune
system

67 of the 100 Resilient Cities Have Been Selected



Norfolk, Virginia



ACUTE SHOCKS

Earthquake
Wildfires
Flooding
Sandstorms
Extreme cold
Hazardous materials accident
Severe storms and extreme rainfall
Terrorism
Disease outbreak
Riot/civil unrest
Infrastructure or building failure
Heat wave

A city's ability to maintain essential functions is threatened by both acute shocks and chronic stresses.

CHRONIC STRESSES

Water Scarcity
Lack of affordable housing
Poor air quality
High unemployment
Homelessness
Changing demographics
Lack of social cohesion
Poverty/inequity
Aging
Infrastructure
Shifting macroeconomic trends
Crime & violence



2014 Kickoff Community Workshop

- Flooding and coastal storms
- Economic diversity and vibrancy
- Issues arising from income inequality

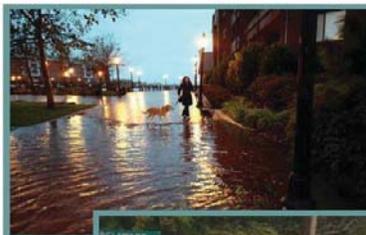
Norfolk, Virginia

Flooding (1962)



Norfolk, Virginia

Flooding (2009)



City of Neighborhoods



City of Neighborhoods



City of Neighborhoods

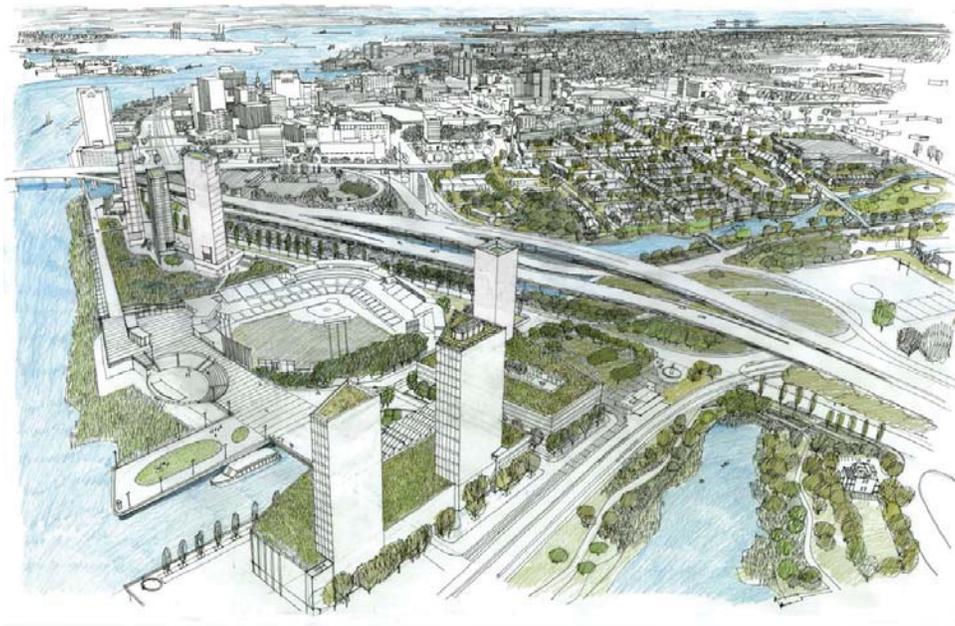


Economically Dependent



Coastal Resilience

- Pioneering the first Resilient Land Use Code
 - Participating in 100 Resilient Cities Best Practice Work Group
- Re-imagining structures and infrastructure in a rising sea environment
 - Urban Land Institute Fort Norfolk Technical Resilience Panel
 - Dutch Dialogue—Dutch Embassy with HRPDC



Economic Resilience

- Hampton Roads is a globally important region. There is a cost to not investing in mitigation
 - Global Security
 - International Trade
- Impact of flooding on insurance
 - Community Rating System—Improving public information
- Baseline Economic Analysis to inform the city's Comprehensive Economic Development Strategy

Neighborhood Resilience

- Identify neighborhood assets that build cohesion
- Neighbors Building Neighborhoods model

