URBAN RESILIENCE

capacity of individuals, communities, institutions, businesses, and systems within a city to survive, adapt, and thrive no matter what kinds of **chronic stresses** and **acute shocks** they experience
175 YEARS OF GROWTH
175 YEARS OF GROWTH

- ~370 Municipal Utility Districts (MUDs) in the Extraterritorial Jurisdiction (ETJ)
- 403 square miles of MUDs in the ETJ
- Over 552,000 Housing Units in ETJ MUDs
- Over 1.5 million Houstonians live in ETJ MUDs
- $6 Billion in Bond Indebtedness by MUDs in the ETJ
- No major annexations since 1980s
GLOBAL RESILIENT CITIES NETWORK

Formerly Rockefeller 100 Resilient Cities
76 RESILIENCE STRATEGIES HAVE BEEN RELEASED

4,000+ INITIATIVES
The **Strategy** is a tactical roadmap to build resilience that articulates the city’s resilience priorities and specific initiatives for short-, medium-, and long-term implementation.
BUILDING ON AND CONNECTING EXISTING EFFORTS

What do you see as Houston’s most important existing efforts to strengthen and build the resilience of the city? (November 2018)
BUILDING ON AND CONNECTING EXISTING EFFORTS

- Climate Action Plan
- Build Houston Forward
- Smart Cities
- Complete Communities
- Water Conservation
- Humanitarian Action Plan
- Homelessness Initiatives
- Action Plan for Harvey Recovery
- Opportunity Plan
- Complete Communities
- Bayou Greenways 2020
- H.G.A.C.’s Our Great Region
- Health Disparities & Health Inequity Report
- METRO Solutions

- Greater Houston Flood Mitigation Consortium
- Plan Houston
- Harris County Talking Transition
# Priority Shocks and Stresses for Houston

## Equity + Inclusion
- Poor education quality or access
- Poverty/inequity
- Lack of health care access
- Lack of equal economic opportunity for all
- Linguistic Isolation
- Environmental injustice

## Infrastructure + Economy
- Cyber attack
- Infrastructure failure
- Aging infrastructure
- Overreliance on one industry
- Lack of economic diversity
- Slow recovery from Harvey
- Population growth
- Energy transition
- Oil & gas downturn

## Health + Safety
- High winds/tornados
- Hazardous materials incidents
- Extreme cold
- Terrorism
- Health emergency
- Poor air quality
- Crime and violence
- Environmental degradation
- Mental/behavioral health

## Housing + Mobility
- Poor transportation network quality
- Lack of affordable housing
- Land use and urban sprawl
- Homelessness
- Lack of pedestrian safety and accessibility
- Displacement

## Water + Climate
- Flooding
- Hurricanes
- Coastal storms
- Drought
- Extreme heat
- Wildland fire
- Hail & Lightning
- Climate change
- Sea level rise / storm surge
- Subsidence
FRAMING RESILIENCE-BUILDING BY THEME & SCALE

- Achieving Equity and Inclusion
- Building Forward
- Improving Health and Safety
- Integrating Housing and Mobility
- Living With and Without Water
ACHIEVING EQUITY AND INCLUSION
BUILDING FORWARD

Housing Recovery

BUILDING FORWARD INTO A MORE RESILIENT AND EQUITABLE HOUSTON.

Funds for Harvey Recovery Programs are provided by the City of Houston and the Texas General Land Office through the U.S. Department of Housing and Urban Development’s Community Development Block Grant Program. The City works with the U.S. Department of Housing and Urban Development (HUD) and the Texas General Land Office (TGLO) to ensure that all programs follow federal and state regulations.

Infrastructure Modernization & Workforce Transition
Life expectancy varies by as much as 20 years between zip codes.

77026
69.8 years

77007
89.1 years

Source: UT Southwestern Medical Center
INTEGRATING HOUSING & MOBILITY

Affordability based on Housing

Affordability based on Housing & Transportation
LIVING WITH AND WITHOUT WATER

Houston could experience 70 days per year with max temperatures above 100°F by 2100.
WHAT’S NEXT FOR HOUSTON

Launch Resilient Houston Strategy
- A Healthy Place to Live
- An Equitable, Inclusive and Affordable City
- A Leader in Climate Adaptation
- A City that Grows Up, Not Out
- A Transformative Economy that Builds Forward

Launch Houston’s Climate Action Plan
- Energy Transition
- Buildings
- Transportation
- Materials Management (Waste)

Release Climate Impact Assessment
thank you!