



City of Nashua Resilient Nashua Initiative

Agenda Setting Workshop
April 5, 2018



NESEC
The Northeast States Emergency Consortium

COASTAL RESILIENCE CENTER
A U.S. Department of Homeland Security Center of Excellence

Resilient Nashua Initiative

- Introduction
- Agenda
- Handouts
- Meeting Logistics

Welcome!



Purpose of Resilient Nashua Initiative: Integrated Project Components

Resilience Strategy

- Comprehensive Resilience Strategy
- Recovery Workshop
- Flood Recovery Exercise
- *EPA Healthy Communities Grant*



Hazard Mitigation & Resilience Plan Update

- 5-Year Update to Hazard Mitigation Plan
- Tight integration with NIST Community Resilience Planning Guide process
- *FEMA Pre-Disaster Mitigation Grant*



Resilience Integration Workshop

- DHS Coastal Resilience Center Plan Integration for Resilience Scorecard process
- *National League of Cities Leadership in Community Resilience Program 2018 Cohort*

What is Resilience?

Urban Resilience:

“...the capacity of individuals, communities, institutions, business, and systems within a city to survive, adapt, and grow no matter what kinds of chronic stresses and acute shocks they experience.”

- [Rockefeller Foundation 100 Resilient Cities Initiative](#)





Atlanta, GA: Develop, integrate, and institutionalize urban agriculture into policies, programs, and projects



Boston, MA: Prioritize equitable education opportunities to close the gap for young people of color.



Boulder County, CO: Create Resilient Design Performance Standard



Pittsburgh, PA: Develop a resilient energy portfolio through diversified sources and local generation



New York, NY: Expand the accessibility of the city's transportation network to seniors and people with disabilities

San Francisco, CA: Promote Neighborhood Affordability



State of OR: Service providers for all essential sectors should be encouraged to develop business continuity plans.



New Orleans, LA: Invest in comprehensive and innovative urban water management



What are Shocks & Stressors?

Definition of Acute Shock (Near-term)

An acute shock is a sudden event, such as a flood or terrorist attack, that impacts the city and community in the short term.



Definition of Chronic Stressor (Long-term)

A chronic stress is a slow moving issue, such as high unemployment or reoccurring water shortages, that impacts the cohesion and strength of the city and community over a long period of time.



Examples of Shocks & Stressors

- Education
- Budget funding/cuts
- Healthcare
- Disease outbreak
- Community diversity/inclusiveness
- Mental health/behavioral health
- Aging infrastructure
- Infrastructure/building failure
- Economic development & vibrancy
- Economic downturn/recession
- Affordable housing
- High unemployment/lack of opportunities
- Homelessness
- Poverty/income inequality
- Crime
- Public safety
- Terrorism/security
- Riot/civil unrest
- Energy affordability/continuity
- Transportation network/mobility
- Land use & availability
- Erosion
- Open space & recreational uses
- Loss of agricultural land
- Food security
- Drought/water shortages
- Environmental degradation
- Extreme temperatures fluctuations
- Heat waves/extreme heat
- Extreme cold
- Flooding/ice jams
- Climate Change
- Hazardous materials accident
- Insect-borne disease
- Solar flares
- Sinkholes
- Snow/winter storms
- Hurricanes/tropical storms
- Heavy rainfall/severe thunderstorms
- Tree canopy & health/invasive plant species
- Water quality/stream health
- Wildfire/fire
- Earthquake
- Landslides/rock falls
- Tornadoes/wind storms

Resilient Nashua Initiative Timeline: Hazard Mitigation Work Plan

- **Resilient Nashua Initiative Timeline Handout**
 - Hazard Mitigation & Resilience Plan Update - Work Plan
 - Resilience Strategy - Work Plan
- **Public Notifications Methods**
- **Stakeholder recommendations:**
 - mcgintya@nashuanh.gov
- **2018 Meeting Schedule on Livable Nashua**



City of Nashua: *Goals, Planning Horizon, Expected Outcomes.*

Goals:

1. Public Involvement in Planning
2. Work with Subject Matter Experts
3. Collaborate with City Divisions & Departments
4. Catalog Shocks & Stressors
5. Research & Risk Assessment
6. Resilience Recommendations
7. Comprehensive Mitigation Actions
8. Action Plan with Funding
9. Integrate Recommendations City's Operations & Future Planning

We want your Feedback!



Expected Outcomes:

1. 2018 Hazard Mitigation & Resilience Plan Update
2. 2019 Resilience Strategy
3. 2018 NLC Workshop
4. 2018 Resilience & Recovery Workshop
5. 2019 Resilience & Recovery Tabletop

Planning Horizon:

- Near-term: 0 - 5 years
- Mid-term: 5 - 10 years
- Long-term: 10 + years

Exercise 1: Defining Resilience

Overview & Instructions

Context:

Your own definition of resilience

What challenges, opportunities, and priorities exist?

What are our long term goals?

Community Assets protect & preserve?

Read-out from each table



Shocks & Stressors Survey Results



Question	Results
Near-term	
Highest shock/stress	<ul style="list-style-type: none"> • Mental Health/Behavioral Health
Medium-highest shock/stress	<ul style="list-style-type: none"> • Snow/winter storms • Aging Infrastructure
Medium shock/stress	<ul style="list-style-type: none"> • Poverty/income inequality • Flooding/ice jams
Medium-lowest shock/stress	<ul style="list-style-type: none"> • Economic downturn/recession
Lowest shock/stress	<ul style="list-style-type: none"> • Affordable housing

Question	Results
Long-term	
Highest shock/stress	<ul style="list-style-type: none"> • Mental Health/behavioral health • Aging infrastructure
Medium-highest shock/stress	<ul style="list-style-type: none"> • Infrastructure/building failure • Aging infrastructure
Medium shock/stress	<ul style="list-style-type: none"> • Public safety
Medium-lowest shock/stress	<ul style="list-style-type: none"> • Affordable housing
Lowest shock/stress	<ul style="list-style-type: none"> • Aging infrastructure • Climate change

Shocks & Stressors Survey Results

Question	Results
Focus Areas	
First Highest	<ul style="list-style-type: none">• Infrastructure & Built Environment
Second Highest	<ul style="list-style-type: none">• Extreme Weather & Climate Change• Infrastructure & Built Environment• Natural Hazards
Third Highest	<ul style="list-style-type: none">• Economy
Fourth Highest	<ul style="list-style-type: none">• Public Safety

Key Community Assets that make Nashua Resilient:

Primary

- Business & Commerce
- Community Engagement
- Quality of life

Secondary

- Effective local government
- Civil/neighborhood organizations
- Jobs

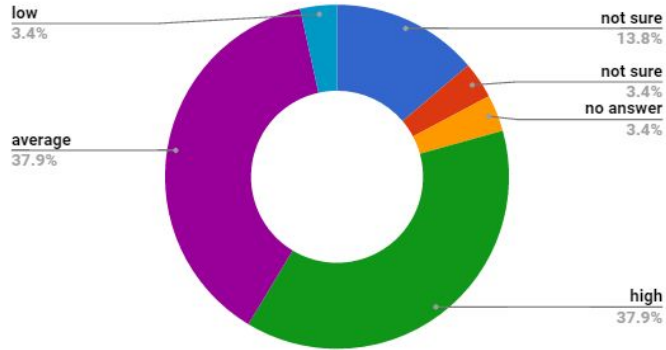
Shocks & Stressors Survey Results

Major Themes - Most Important Resilience Efforts that Already Exist:

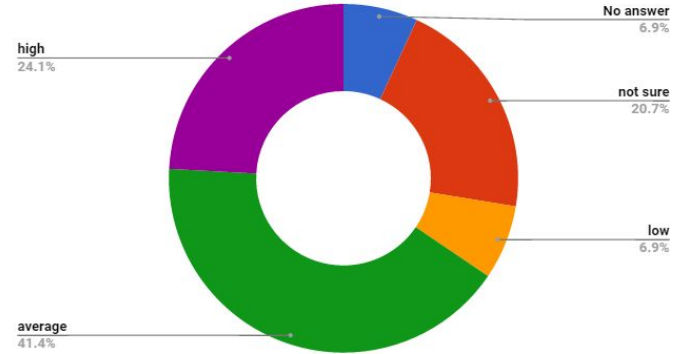
- **Pro-active Engagement & Strength**
 - Leadership & civic engagement
 - Community & civic organizations
 - Community preparedness trainings
 - Collaborative partnerships across sectors
 - Public/Private Sectors
- **Public Safety**
- **Community Engagement**
- **Natural Resources: Conservation Land**
- **City's Emergency Management**
 - Response during winter storms
 - Developing Nashua's first Resilience Plan
 - Up-to-date preparedness & operations plans
- **Improvements & Development**
 - Infrastructure
 - Economy
 - Small businesses development

Shocks & Stressors Survey Results

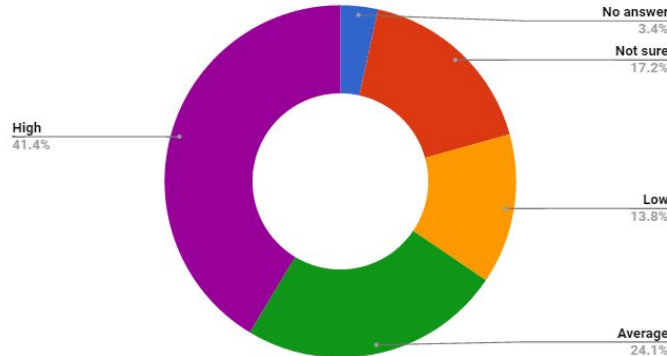
How Resilient Nashua has been historically?



Has been recently? (past 3 years)



Will be in the future? (next 5 - 10 + years)



Shocks & Stressors Survey Results

Key Responsibilities Themes

Civic/Neighborhood Groups & Community Residents:

- **Primary**
 - Outreach & Communications
 - Coordination
 - Skills Building & Capacity
 - Planning & Programming
- **Secondary**
 - Funding
 - Policy & Regulations

City Government:

- **Primary**
 - Planning & Programming
 - Policy & Regulations
 - Coordination
 - Funding
- **Secondary**
 - Outreach & Communication
 - Skills Building & Capacity

County Government:

- **Primary**
 - Funding
 - Policy & Regulations
 - Coordination
- **Secondary**
 - Planning & Programming
 - Outreach & Communications
 - Skills Building & Capacity

State Government:

- **Primary**
 - Funding
 - Policy & Regulations
 - Coordination
- **Secondary**
 - Planning & Programming
 - Skills Building & Capacity

Federal Government:

- **Primary**
 - Funding
 - Planning & Programming
 - Policy & Regulations
- **Secondary**
 - Skills Building & Capacity
 - Coordination

Shocks & Stressors Survey Results

Key Responsibilities Themes

University/School Districts:

- **Primary**
 - **Skills Building & Capacity**
 - **Planning & Programming**
- **Secondary**
 - **Outreach & Communications**
 - **Coordination**
 - **Policy & Regulations**

Private Sector:

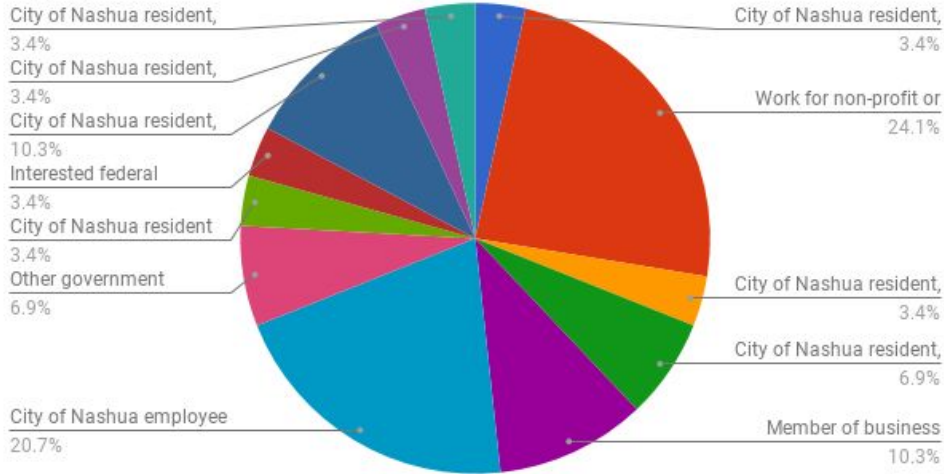
- **Primary**
 - **Skills Building & Capacity**
 - **Coordination**
 - **Outreach & Communication**
- **Secondary**
 - **Planning & Programming**
 - **Funding**

Nonprofit & Community Service Organizations:

- **Primary**
 - **Skills Building & Capacity**
 - **Coordination**
 - **Outreach & Communication**
- **Secondary**
 - **Planning & Programming**

Shocks & Stressors Survey Results

Count of How would you identify yourself? (Please check all that apply).



Exercise 2: Acute Shocks & Chronic Stressors + Focus Areas

Overview & Instructions

Top 5: Near Term Shocks & Long Term Stressors

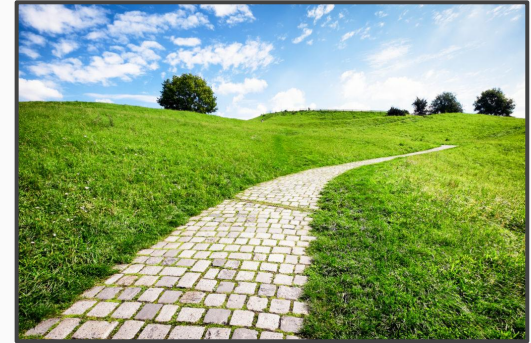
Top 4: Focus Areas

Read-out from each table



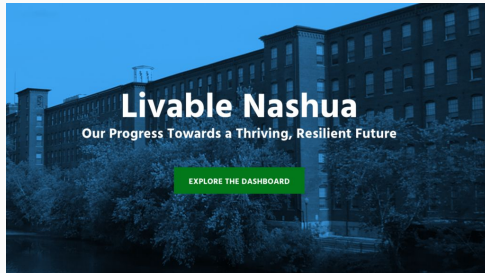
Focus Areas

- **Community & Cultural Resources**
- **Infrastructure & Built Environment**
- **Economy**
- **Energy & Technology**
- **Natural Hazards**
- **Environment & Natural Resources**
- **Extreme Weather & Climate Change**
- **Public Safety**



Next Steps & Closing:

- **Announcements**
- **Reminders**
- **Contact Info:** eoc@nashuanh.gov or mcgintya@nashuanh.gov & 603-589-3275
- **Learn more about upcoming meetings:**
<http://www.livablenashua.org/resilient-nashua-initiative/>



2018 Events Schedule:

- **Thursday May 3rd:** Meeting: Risk Assessment Progress (Community Stakeholders)
- **Tuesday June 12th:** Workshop: Risk Assessment Findings & Hazard Mitigation Strategy (Community Stakeholders)
- **Tuesday August 7th:** Meeting: 1st Focus Area (Steering Committee)
- **Tuesday September 11th:** Meeting: 2nd Focus Area (Steering Committee)
- **Thursday October 11th:** Meeting: 3rd Focus Area (Steering Committee)
- **Tuesday November 6th:** Meeting: 4th Focus Area (Steering Committee)
- **Tuesday December 4th:** Meeting: Conclusion Final Findings (Community Stakeholder)