PLANTING THE SEED OF COMMUNITY RESILIENCE
FEDERAL, STATE, AND PRIVATE STRATEGIES

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What Is Resilience?

Mitigation + Adaptation = Resilience
Industry Statement on Resilience

The ability to prepare and plan for, absorb, recover from, and more successfully adapt to adverse events.

2 Dozen Other Organizations Support the Definition

Shock or Stress

Level of Resilience

Time
Why Resilience?

Since 1980, 4 of the most expensive years occurred in last ten years.
For every $1 spent on resilient building and construction,
YOU SAVE $6 IN RECOVERY COSTS
* National Institute of Building Sciences

<table>
<thead>
<tr>
<th>Natural Benefit-Cost Ratio Peril</th>
<th>Federally Funded</th>
<th>Beyond Code Requirements</th>
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</thead>
<tbody>
<tr>
<td>Overall Hazard Benefit-Cost Ratio</td>
<td>6:1</td>
<td>4:1</td>
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<tr>
<td>Riverine Flood</td>
<td>7:1</td>
<td>5:1</td>
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<td>Hurricane Surge</td>
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<td>Wind</td>
<td>5:1</td>
<td>5:1</td>
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<td>Earthquake</td>
<td>3:1</td>
<td>4:1</td>
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<tr>
<td>Wildland-Urban Interface Fire</td>
<td>3:1</td>
<td>4:1</td>
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* BCR numbers in this study have been rounded.
Policy Recommendation One

• Require that all Federal Grants Issued for Mitigation Purposes to Include the Most Updated Building Codes
  • Federal and State Government Increase Enforcement of already Adopted Consensus Based Codes and Standards

A 1% Increase to Current Construction Costs
Cost $3.6 Billion
Create 87,000 Jobs

$3.6 Billion

Create 87,000 Jobs
How Resilient is Your Community?
Policy Recommendation Two

Private industries should work together to define a common resilience metric system, so government agencies can better measure resilience to then have reason to further support resilient strategies that protect communities.
So who would be responsible for organizing resilience efforts?
NYC

Office of Recovery and Resiliency (ORR) in 2014

- $20 Billion resiliency program started

OneNYC program

- “OneNYC is New York City’s plan to become the most resilient, equitable, and sustainable city in the world.”

NYC’s director of ORR, Jainey Bavishi

- NYC will continue to work with stakeholders “in achieving the resiliency goals set forth in OneNYC by working closely with federal, state and city agencies to ensure the implementation of these vital resiliency investments occur in a manner which accurately reflects community priorities, while promoting equity across our city.”
Colorado Resiliency Framework Sectors

- Economic
  - Small Business
  - Agriculture
  - Tourism
  - Commercial Environment
  - Jobs
  - Diversity

- Community
  - Land Use/Planning
  - Smart Growth
  - Floodplain Management
  - Emergency Management
  - Mitigation
  - Governance
  - Capabilities
  - Culture

- Watersheds and Natural Resources
  - Environment
  - Streams
  - Water Quality & Capacity
  - Ecosystem/Natural Habitats

- Housing
  - Affordable Housing
  - Accessibility
  - Range of Housing Options
  - Durable Materials
  - Energy Efficiency
  - Insurance

- Colorado Resiliency Working Group
  - CRIO
  - State Agencies
  - Federal Agencies
  - Other Identified Advisors

- Health and Social
  - Access to Services
  - Physical / Psychological Health
  - Well-Being
  - Social Vulnerabilities
Oregon

- **HB 2270 (2015)**
  - Appointed the SRO in June 2016

- **SB 85 (2015)**
  - Allows cities and counties to create loans or loan guarantee programs for seismic upgrades of private buildings

- **SB 311 (2017)**
  - Authorizes cities and counties to adopt an ordinance or resolution providing property tax exemption to commercial, industrial and multi-family buildings built that will be seismically retrofitted
Governors Should Establish a Role Within their Administration Responsible for Organizing Resilience Efforts

Policy Recommendation Three
Housing & Urban Development (HUD) Community Development Block Fund (CDBG) Funding

Section 108 Loan Program

Provides Direct Funding for Home Building Projects, Including for Resilience

Community Development Fund (CDF)

$16 Billion made available for Disasters between 2011-2013

$1 Billion made available for The National Disaster Resilience Competition (NDRC)

Every $1 Receives an extra $4.62 from Private Funders

2005

2014

11,168 Jobs

11,889 Households

For every $100 Million of CDBG Funding
Policy Recommendation Four

Congress Should Refrain from any Future Cuts to the HUD CBDG Program

2015 $3.95 Billion

Presidents FY 2018 Budget Called for Cut of Program

Congress Approved $3.0 Billion

• 25% Cut

America First
A Budget Blueprint to Make America Great Again
With these acknowledgements, only 4% of total funding is provided for pre-disaster mitigation.

PDM Grant Program is in Place for Congress to Reduce Future Federal Funding

FEMA Supports the NIBS Study of savings of $6 to $1 for pre-disaster mitigation

FEMA Hazard Mitigation Assistance Grants in 2016

- Hazard Mitigation Grant Program: 82%
- Pre-Disaster Mitigation: 14%
- Flood Mitigation Assistance: 4%

$1 Billion
FEMA Should Lay Out Exact Plans for Increasing Pre-Disaster Mitigation Funds and Congress Needs to Update Current Disaster Response Policies

Congress Working on Disaster Recovery Reform Act 2018
QUESTIONS?

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