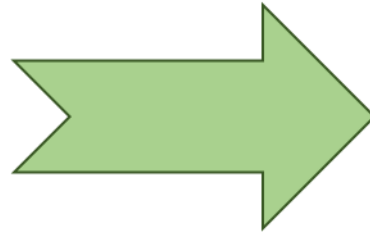




PLANTING THE SEED OF
COMMUNITY RESILIENCE
FEDERAL, STATE, AND
PRIVATE STRATEGIES

Victor L. Rodriguez
August 2nd, 2018

What Is Resilience?

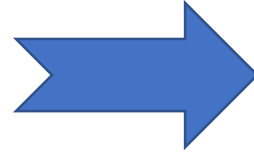


Mitigation + Adaptation = Resilience

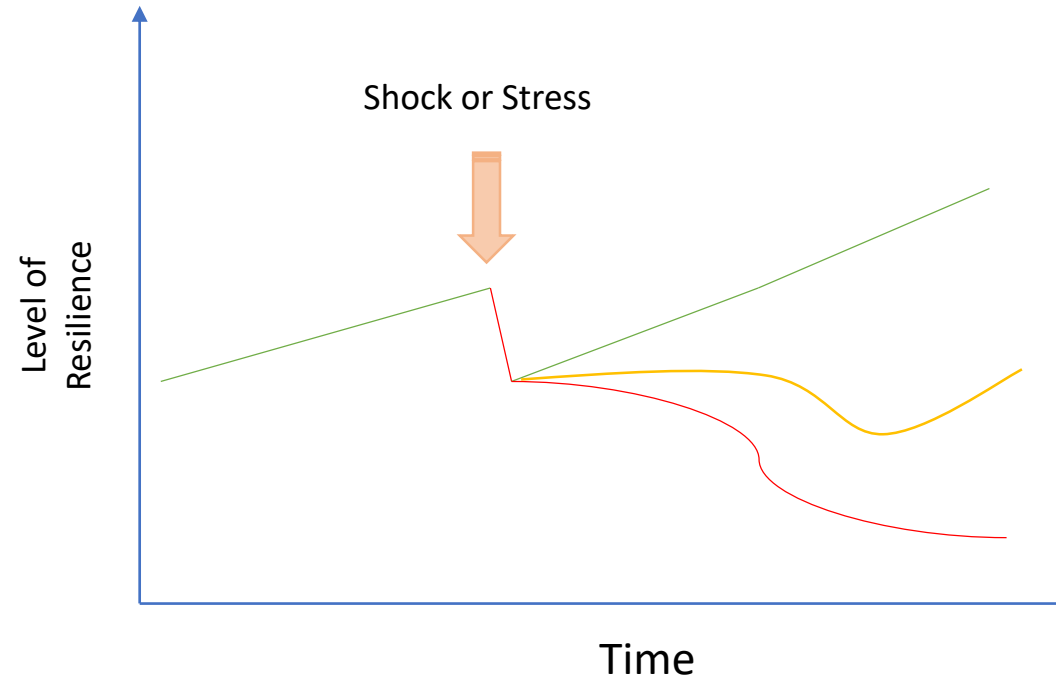
Industry Statement on Resilience



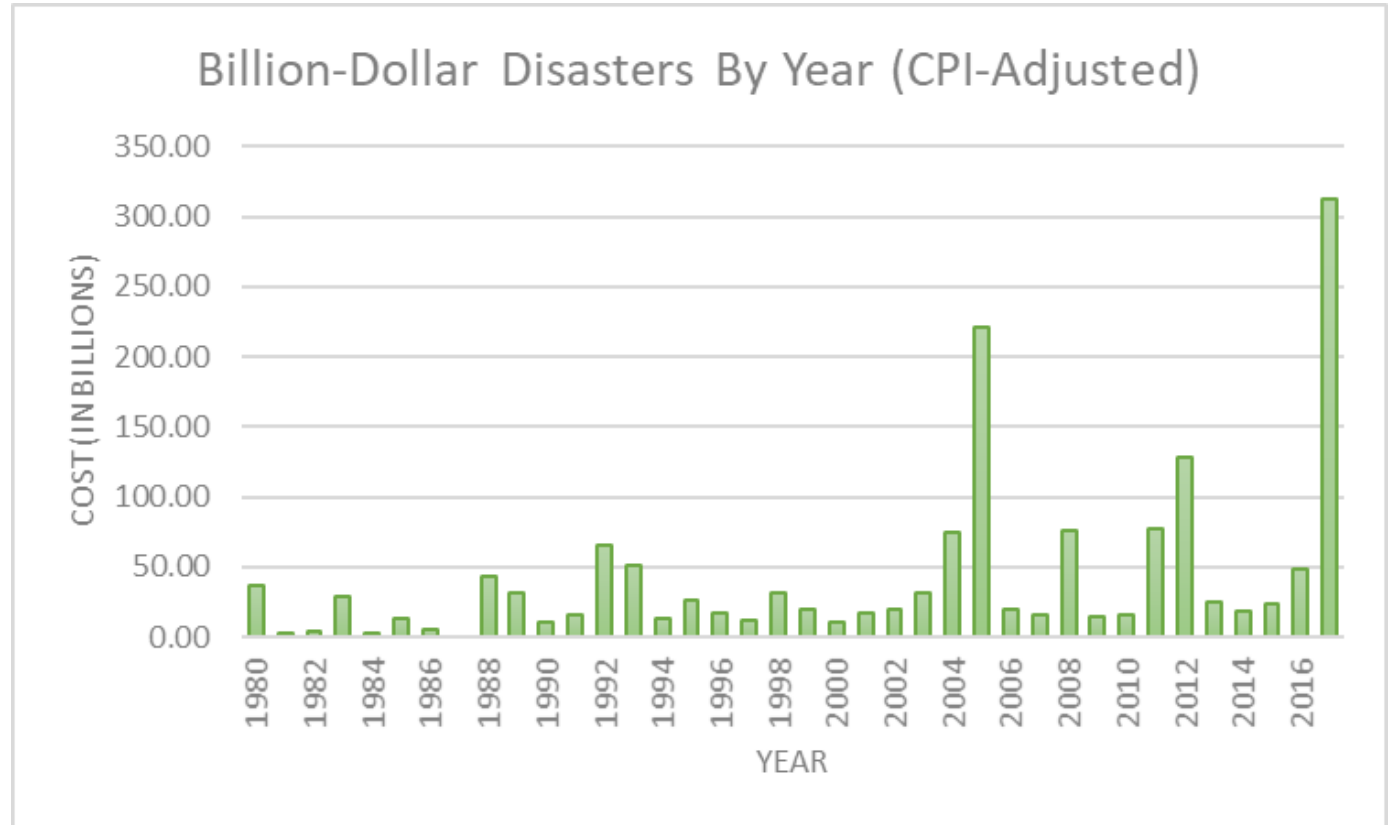
2 Dozen Other Organizations
Support the Definition



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



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



Resilient Building



National Benefit-Cost Ratio Per Peril

*BCR numbers in this study have been rounded

Federally Funded

Beyond Code Requirements

Overall Hazard Benefit-Cost Ratio

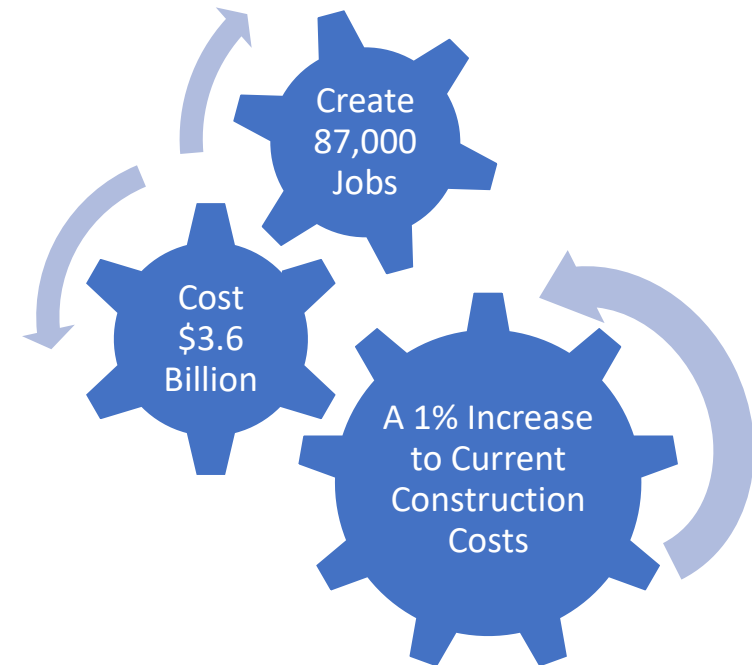
6:1

4:1

	Federally Funded	Beyond Code Requirements
 Riverine Flood	7:1	5:1
 Hurricane Surge	Too few grants	7:1
 Wind	5:1	5:1
 Earthquake	3:1	4:1
 Wildland-Urban Interface Fire	3:1	4:1

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**



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

Colorado Resiliency Framework Sectors



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

PIONEERED BY THE
ROCKEFELLER FOUNDATION

100



RESILIENT

CITIES

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

Section 108 Loan
Program

Community
Development Fund (CDF)

Provides Direct Funding
for Home Building
Projects, Including for
Resilience

\$16 Billion made
available for Disasters
between 2011-2013

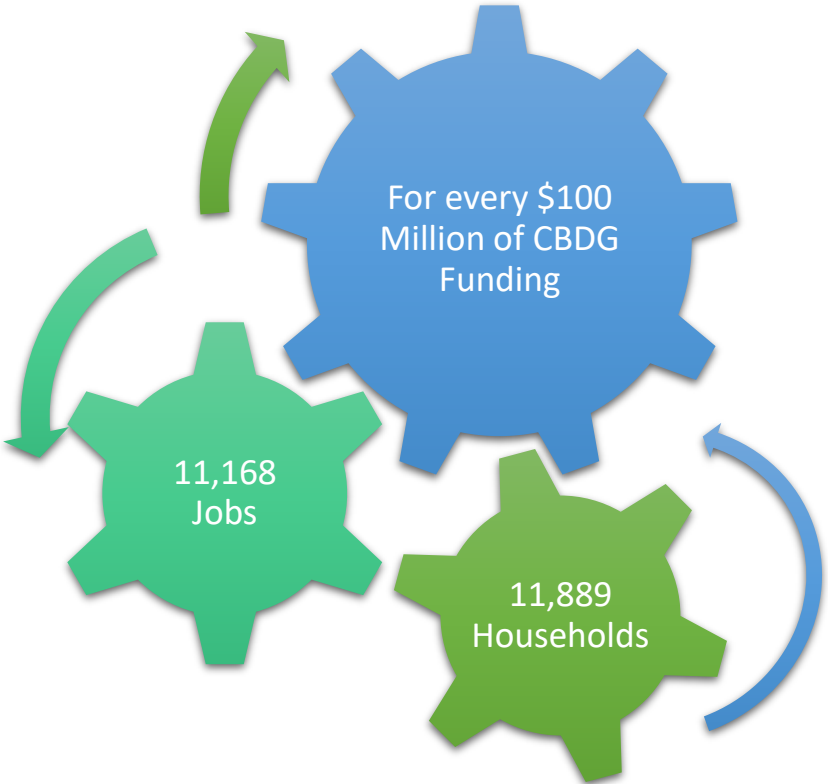
Every \$1 Receives an
extra \$4.62 from Private
Funders

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

2005



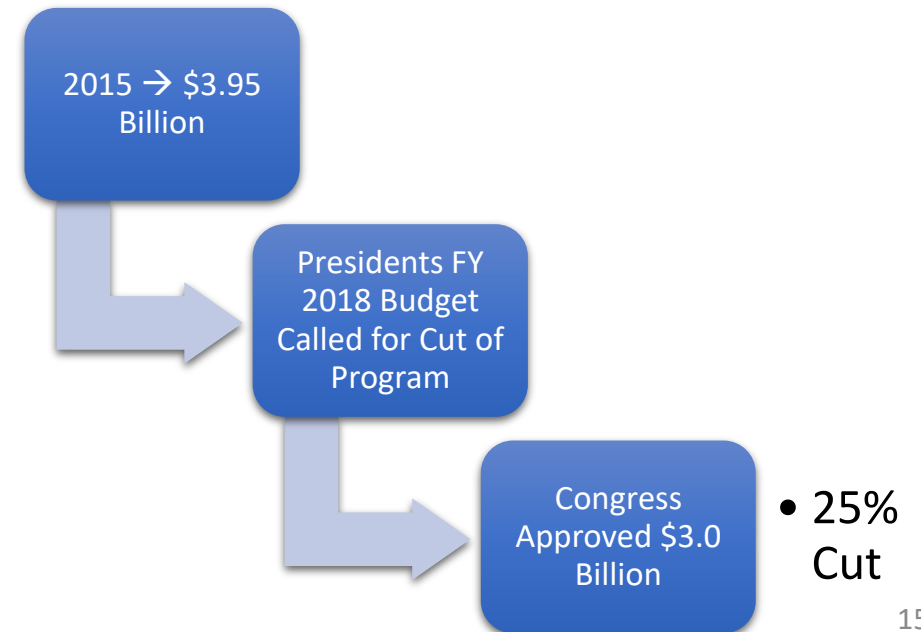
2014



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

Policy Recommendation Four

America First
A Budget Blueprint to Make America Great Again

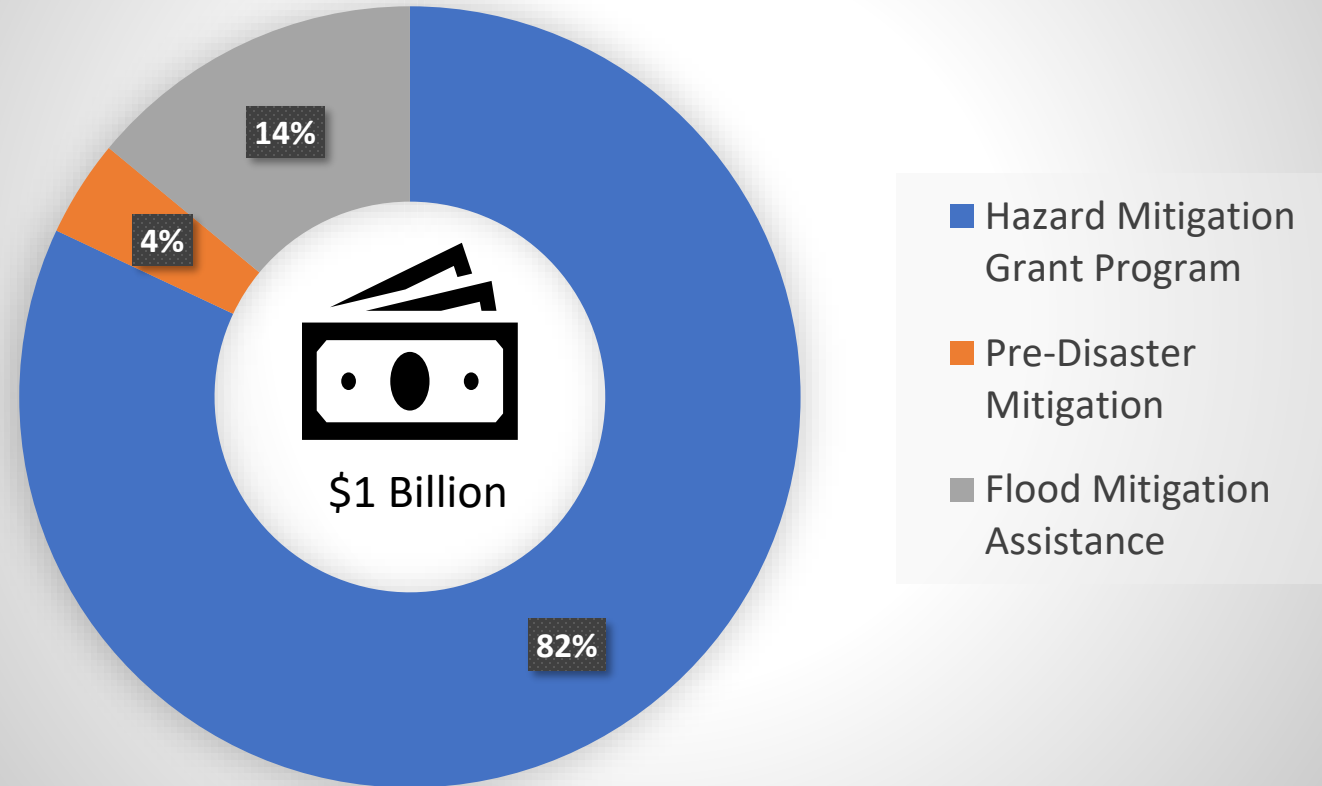


FEMA Supports the NIBS Study of savings of \$6 to \$1 for pre-disaster mitigation

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

With these acknowledgements, only 4% of total funding is provided for pre-disaster mitigation

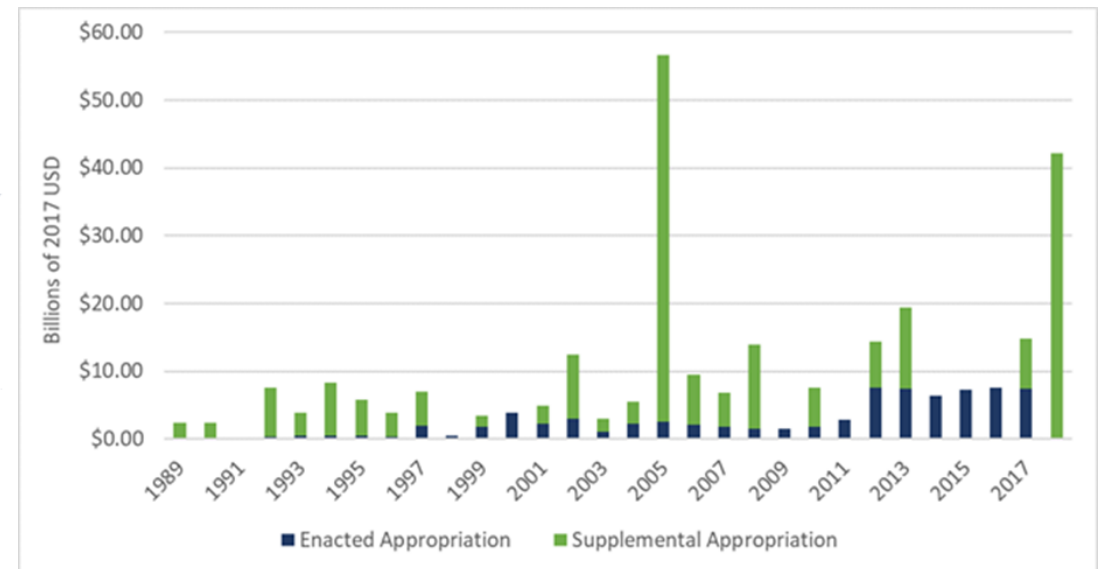
FEMA Hazard Mitigation Assistance Grants in 2016



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

Policy Recommendation 5

Congress Working on Disaster Recovery Reform Act 2018



QUESTIONS?

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Shaping Tomorrow's
Built Environment Today

