

#### Outline

- Introduction: What is FEMA's Role?
- How We Got Here
- Wasatch Front Unreinforced Masonry Risk Reduction Strategy
- 5 Goals of the Strategy
- Next Steps



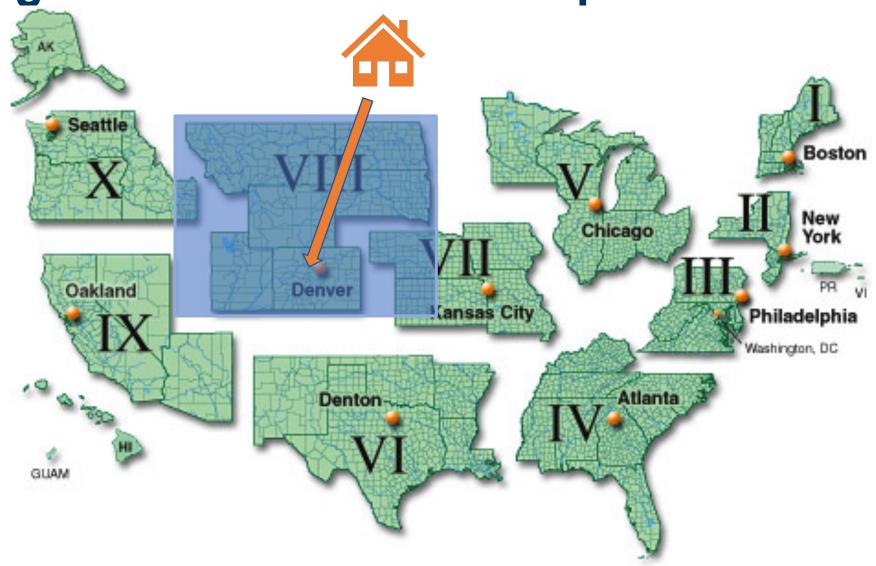


Introduction: What is FEMA's Role?





#### FEMA Region 8 = America's Crumple Zone™









Earthquake Program: Protecting the Blind Side

## Earthquake Program: Watching Your Blind Side







#### **Direct State Assistance**

- FEMA funding to support earthquake mitigation activities in Utah
- 22 States and Territories participating
  - High or Very High Seismic Risk (Seismic Design Categories D & E)





#### Perishable Data →

What went wrong?



Image source: Barry Welliver, SE

#### **Building Codes**

How much offset, and where?



Image source: geotripperimages.com





# FEMA Earthquake Priorities (a sampling)

- Current:
  - Building Codes and design guides
  - Outreach campaigns (ShakeOut)
  - Disaster support
  - Support State Earthquake Programs
  - Training
- Where we're headed:
  - Earthquake insurance
  - Building inventories: what's at risk?
  - Guiding states towards retrofit funds Linking with other programs (Mitigation Planning, Grants, etc.)

# Get Ready to Shake Out.





Register at www.ShakeOut.org



Capabilityand Capacity-Building Activities







Building Resilient
Infrastructure and
Communities
(BRIC): \$500 Million
in grants available

## FEMA's Supporting Role







#### How We Got Here





### **Utah Unreinforced Masonry Summit Recap**

- Strong engagement from ~100
   attendees: emergency managers,
   building officials, local officials, press,
   & U.S. Congressional staff
- URM Summit + 2021 National
   Exercise are raising awareness of the threat in Utah
- A bit of outreach can pay dividends...

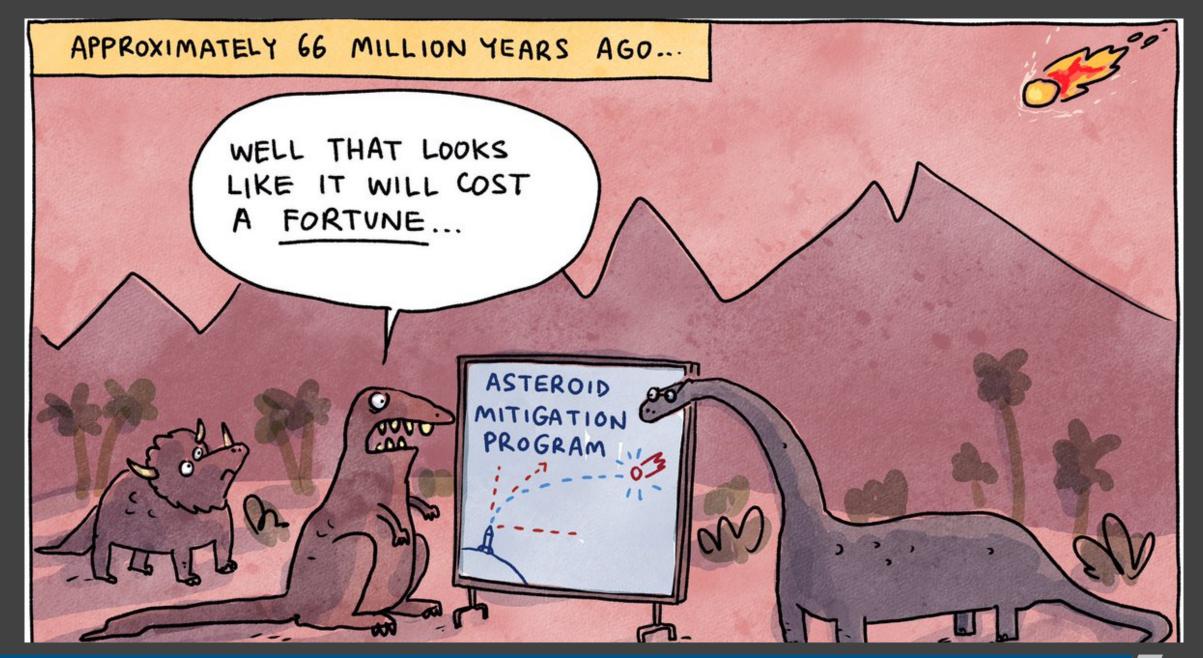










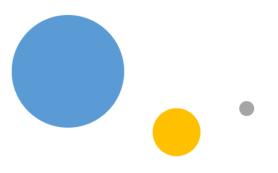






# **National Mitigation Investment Strategy**

- Post-Sandy, Government Accountability Office urged national coordination of mitigation investment to reduce future disaster losses
- National Mitigation Investment Strategy recommends setting resilience & mitigation investment priorities to benefit whole community.





Slide courtesy of Jamie Leigh Price, FEMA





**National Mitigation Investment Strategy** 

Show How
Mitigation
Investments
Reduce Risk

Utah is the first Pilot!



Coordinate
Mitigation
Investments to
Reduce Risk

Investment
Standard

Droctico

#### Wasatch Front Unreinforced Masonry Risk Reduction Strategy





What Are Utah's Pilot Priorities?

- 1. Developing a URM risk reduction strategy
  - Strategy development kicked off in Utah: Feb. 2020
  - Finalized strategy last month
- 2. Outreach & engagement campaign targeting:
  - Public
  - Key decisionmakers



URM Strategy: 127 pages, 1 slide

- •20 authors & 27 reviewers: representing 22 agencies, companies, and nonprofits
- •600+ reviewer comments
- •Funding ideas linking resources to maximize Federal/State grants
- •Creative solutions: tax breaks, Historic Preservation credits
- •Engineering analysis of retrofit levels
- •Examples of effective model ordinances
- Roadmap for public engagement and soliciting buy-in
- Pros/Cons of Voluntary and Mandatory programs
- Overcoming obstacles (resistance from developers, legislative indifference, etc.)

...much of which leverages **input from the 2019 URM Summit.** 





#### Wasatch Front Unreinforced Masonry Risk Reduction Strategy

ember 2020 DRAFT



## 5 Goals of the Strategy







#### **URM Strategy: Goal 1**

- Establish a statewide URM risk reduction program
  - Emphasis: leverage multiple existing
     Federal and State funding sources
  - Identify new funding streams and program linkages case studies from around the U.S.



# URM Strategy Goal 2: Protect schools:

- Set aggressive dates to repurpose, retrofit, or demolish URM schools
- Finalize schools inventory where are most vulnerable schools located?
- Technical support to local school districts guide through (BRIC) grant application process
- Set the standard for linking multiple FEMA and State programs



# URM Strategy: Goal 3

- Retrofit or relocate government facilities
  - Prioritize facilities needed for postdisaster short and long-term recovery
  - Not just traditional "critical facilities", but locations like building departments and job training centers





# URM Strategy Goals 4 & 5: Fix Building Codes

- Tighten existing building code loopholes and empower local communities to enforce the retrofit requirements they already have on the books.
  - One example: local structural engineers in Utah vocally highlight many older buildings are converted to condominiums, yet no retrofit is required
  - Support local jurisdictions in adopting model retrofit ordinances that have proven successful elsewhere



# Next Steps





# What Are the Priorities Going Forward?

- Engage expanded DEM/FEMA team; facilitated discussions to
  - Identify first goal(s) from URM Strategy to address
  - Convert goals to tactical next steps
  - Pull in USSC expertise on key issues
    - Building codes
    - Legislative outreach
    - Local jurisdiction engagement



# What Are the Priorities Going Forward?

- Use additional funding to expand local stakeholder engagement
  - Map out an external engagement strategy
  - Coordinate one-on-one or sector-specific meetings with key stakeholders to gain support for URM mitigation
  - Target stakeholders most likely to oppose this effort, e.g.:
    - Developers
    - Homebuilders
    - Legislators
    - Other special interest groups



#### Conclusion

- USSC has built a strong local URM coalition – you have FEMA's attention!
- The URM Strategy includes best available local, statewide, and national input
- Many of the tools for risk reduction already exist – now we need to put them into action!
- To do this right, we'll need to pull in experts when you're needed
- Now is the time!







#### Thanks!

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