NCSL Legislative Summit
Building Resiliency – State Efforts to Prepare for Natural Disasters and Mitigate Risk
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• Founded in **1984** by a **bipartisan** Congressional caucus.

• Now an **independent**, bipartisan **nonprofit** with no Congressional funding.

• We provide **fact-based information** on **energy**, **technology** and **environmental issues** for Congress and other policymakers and stakeholders.

• We focus on **win-win solutions** to make the U.S. energy sector, buildings, and transportation **sustainable for people, the planet, the economy**.

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The Value of Building Codes

- Protect People and Property
- Insurance Benefits
- Government Savings
- Level playing field for builders
- Diffusion of cost-effective technology innovations
A 7” thick floor made from Cross Laminated Timber (CLT) - a new high-strength wood building product - has a calculated fire resistance of more than 2 hours!

Designed by Mary Horning, US Forest Service
Resources

Tap into available public and private sector RESOURCES for information and funding to meet or EXCEED model codes.

- FEMA (such as *FEMA 395: Incremental Seismic Rehabilitation of School Buildings*)
- NIST
- HUD
- EPA
- DOE
- NIBS
- IBHS
- ICC, ASHRAE, BCAP
- Passive House Institute U.S.
- DSIRE (Database of State Incentives for Renewable Energy & Efficiency)
- Innovative Programs – SC: Safe Home (gov’t grants) + MyStrongHome (insurance partner)
- Financing (on-bill – utilities, PACE, P3...)
NIST Resilient Communities Guide

SIX-STEP PROCESS TO PLANNING FOR COMMUNITY RESILIENCE

1. FORM A COLLABORATIVE PLANNING TEAM
   - Identify leader
   - Identify team members
   - Identify key stakeholders

2. UNDERSTAND THE SITUATION
   - Social Dimensions
     - Characterize social functions & dependencies
     - Identify support by built environment
     - Identify key contacts
   - Built Environment
     - Identify and characterize built environment
     - Identify key contacts
     - Identify existing community plans
   - Link Social Functions & Built Environment
     - Define clusters

3. DETERMINE GOALS & OBJECTIVES
   - Establish long-term community goals
   - Establish performance goals
   - Define community hazards
   - Determine anticipated performance
   - Summarize results

4. PLAN DEVELOPMENT
   - Evaluate gaps
   - Identify solutions
   - Develop implementation strategy

5. PLAN PREPARATION, REVIEW, AND APPROVAL
   - Document plan and strategy
   - Obtain feedback and approval
   - Finalize and approve plan

6. PLAN IMPLEMENTATION AND MAINTENANCE
   - Execute approved solutions
   - Evaluate and update
   - Modify strategy as needed

Courtesy of National Institute of Standards and Technology
Solutions & Strategies

• **Federal**
  - Fund research and incentives for mitigation
  - Align agency resources
  - Collaborate with states, private sector

• **States**
  - Adopt/adapt the latest model codes for new construction AND renovation
  - Ensure capacity for local jurisdictions to enforce codes
  - Planning – INTEGRATED/HOLISTIC/SYSTEMS APPROACH – FIND SYNERGIES (such as programs/policies to retrofit affordable housing for energy efficiency AND durability/safety like double/triple paned windows)
  - Collaborate with other states, federal and local officials, private sector
  - Facilitate public education and input
Essential

• Common Language
• Performance Goals & Metrics
• R&D, demonstration and diffusion of knowledge and technology
• Codes & Standards
• Investment
• People
THANK YOU!

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