

Disasters & The Disaster Response Inspector

Presenter: William Bracken

Tuesday, September 12, 2017

8:00 AM - 9:30 AM



Disaster Planning and the Disaster Response Inspector



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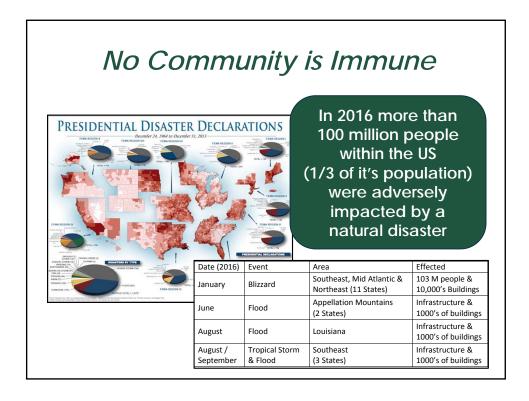


Course Objectives

Review disaster planning basics

Review the contribution and qualifications of Disaster Response Inspectors

Review the National Disaster Response Network

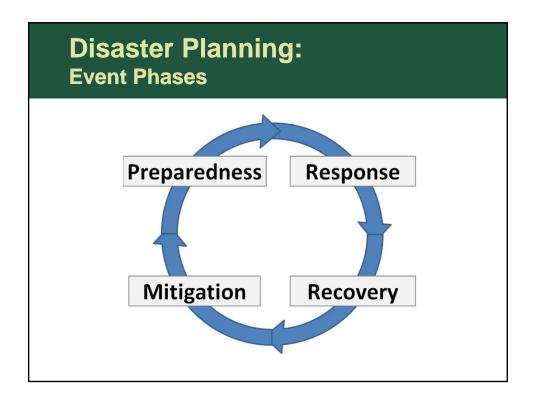


What Is Recovery?

The task of restoring infrastructure and returning a community to normal operation

Outline

- Event Phases
- Disaster Planning
- Post-Disaster Assessments
- Disaster Response Inspectors



Event Phases: Response



- Begins at the time of the event
- Activities taken during or directly after an emergency occurs based on the unique conditions set by the disaster
- Involves 1st and 2nd responders

Event Phases: Recovery



- Begins after the initial response but before the response concludes
- Coordinated through or in conjunction with Emergency Management
- Involves 2nd responders and normal operations

Event Phases: Mitigation



- Begins within the recovery phase
- Preventive actions taken to minimize the long-term effects of a disaster on persons, property and the community
- Includes the development of disaster plans

Event Phases: Preparedness



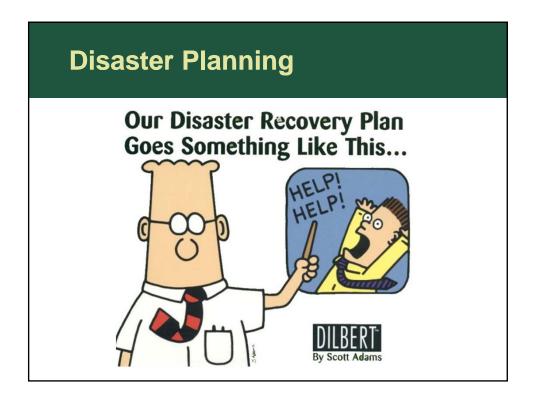
- Begins within the mitigation phase
- Actions taken in advance of an emergency to build and maintain a local jurisdiction's capability to manage a disaster
- Includes training and implementation of the disaster plan

When Does Recovery Begin?

Immediately after the event during the *Response* phase

Outline

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Disaster Planning:Disaster Plan Development

The Disaster Plan

- Coordinated with the jurisdiction
- Prepares department to assist community
- Prepares department to work with outside support

Disaster Plan Development:

5 Basic Rules



1) Keep it simple

Keeping a plan simple increases its longevity

Disaster Plan Development:

5 Basic Rules



2) Based the plan on an org chart not personalities

Attrition is the greatest enemy of a disaster response plan

Disaster Plan Development:

5 Basic Rules



Regional and seasonal factors need to be considered

Disaster Plan Development:

5 Basic Rules



- 4) Publish the plan
- Staff
- Management
- Emergency Management
- other departments
- elected official

Disaster Plan Development: 5 Basic Rules

5) Update and review the plan regularly

Update the plan with basic information monthly

Review the plan annually



Disaster Planning:Disaster Plan Development

Plan Basics

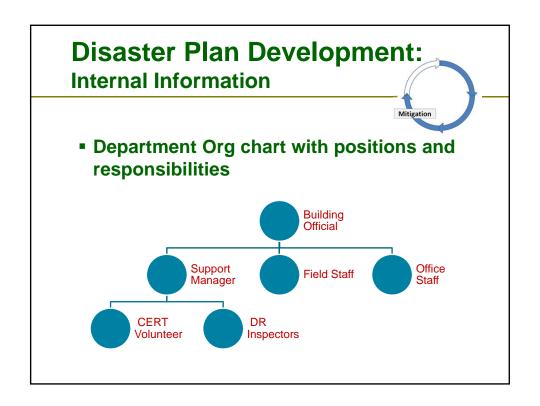
- Internal information
- External information
- Event preplanning

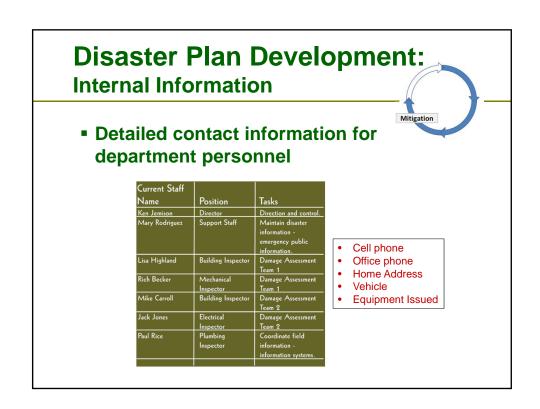
Disaster Plan Development:

Internal Information

Questions to Answer

- Who will be in charge?
- Where will they meet?
- How will they communicate?
- How will they keep track of what is going on?
- Who is tracking the money?





Disaster Plan Development:

Internal Information

- Identify how will you keep track of what you spent above and beyond your normal operating costs
 - Equipment purchases
 - Staff overtime
 - o Temp help
 - o Food budget for mutual aid workers

Disaster Plan Development:

Internal Information

- Be sure to stay within the parameters of the emergency authorities provided under law
- Be sure to comply with appropriate federal and state laws
- Identify how to manage day-to-day operations while dealing with the event

Disaster Plan Development:

External Information



Questions to Answer

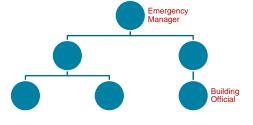
- Who will your department answer to / work with?
- What information is essential to be communicated?
- How will you communicate your need for volunteers?

Disaster Plan Development:

External Information



- Emergency Management Org chart with positions and responsibilities
- Mutual Aid agreements and MOUs



Disaster Plan Development: External Information

- Establish a relationship with your jurisdiction's PIO
- Identify your "best" department spokesperson
- Identify how your department will use and coordinate volunteers

Disaster Plan Development: Event Planning

Questions to Answer

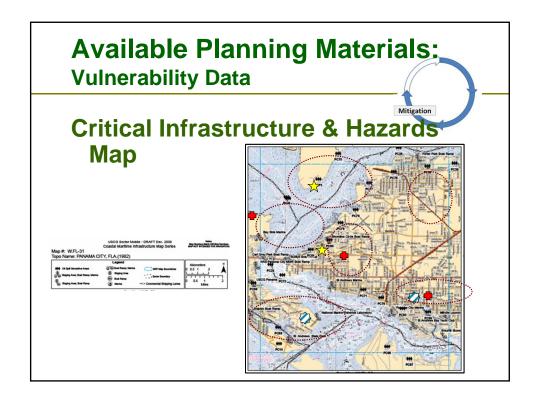
- What are the major threats and vulnerability?
- What are the major tasks?
- What must me completed within 24hours? Within 72-hours?

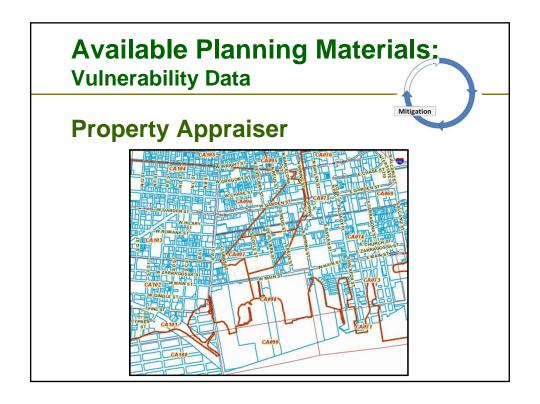
Disaster Plan Development: Event Preplanning

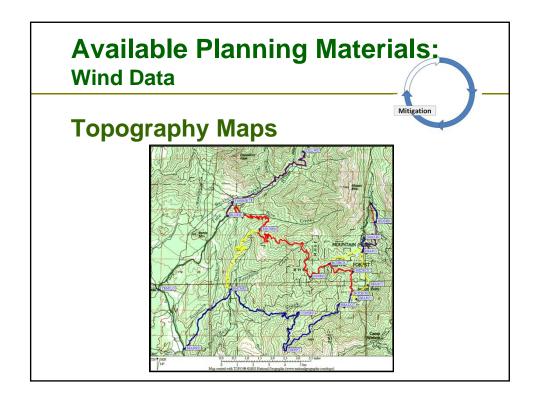
- Identify the greatest threats that your community faces
- Identify the areas most vulnerable to the threats identified
- Identify scope of response and needs
- Identify appropriate forms and record keeping

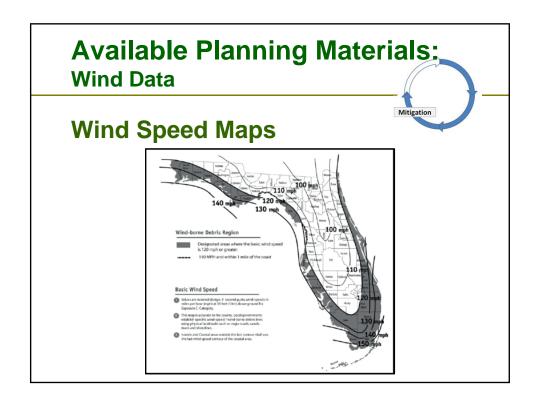
Disaster Planning: Available Planning Materials

- Vulnerability Data
- Wind Data
- Flood Data
- Seismic Data

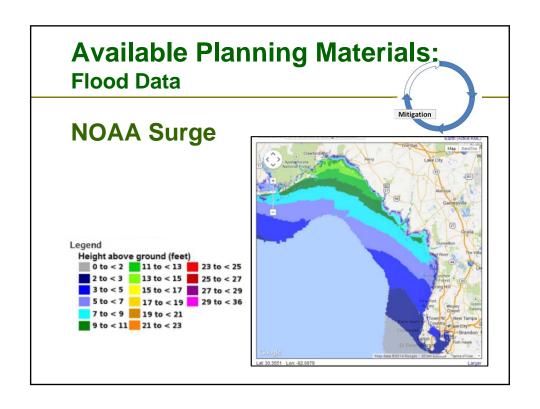


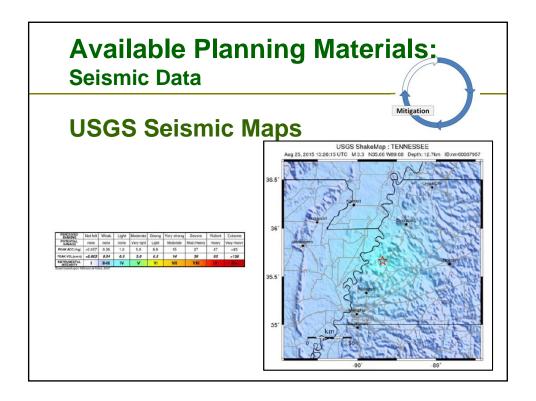












Disaster Planning: Training

Trained and knowledgeable personnel are essential for the prompt and effective execution of the emergency management plan

Disaster Planning: Training



Education and certification along with exercising the plan make up the preparedness phase of the event cycle

Training: Exercising the Plan



Methods

- Orientation seminar
- Drill
- Tabletop exercise
- Functional exercise
- Full-scale exercise

Training: Exercising the Plan



Benefits

- Reveals plan weakness
- Reveals gaps in resources
- Improves coordination
- Clarifies roles and responsibilities
- Improves individual performance

Outline

- Event Phases
- Disaster Planning
- Post-Disaster Assessments
- Disaster Response Inspectors

How Does Recovery Begin?

By utilizing 2nd Responders to determine whether structures are suitable for re-habitation

Post-Disaster Assessments

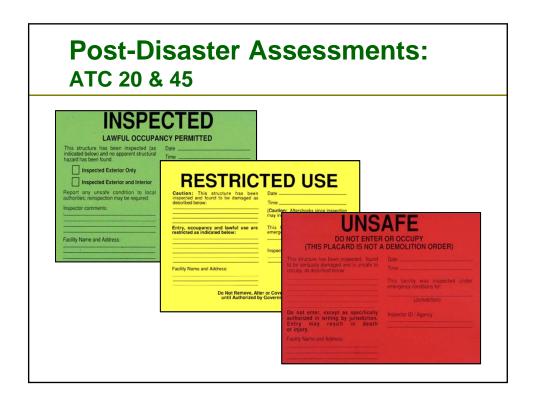
- ATC 20 & 45 Assessments
- Earthquake Evaluations
- Wind & Flood Evaluations
- Practice Examples

Post-Disaster Assessments: ATC 20 & 45

Using the ATC procedures used to classify buildings







Post-Disaster Assessments: ATC 20 & 45

Re-Habitation is based on Life Safety (egress) and Structural Safety (load path)



Post-Disaster Assessments: ATC 20 & 45

Life safety is based on adequate egress

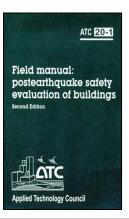
Post-Disaster Assessments: ATC 20 & 45

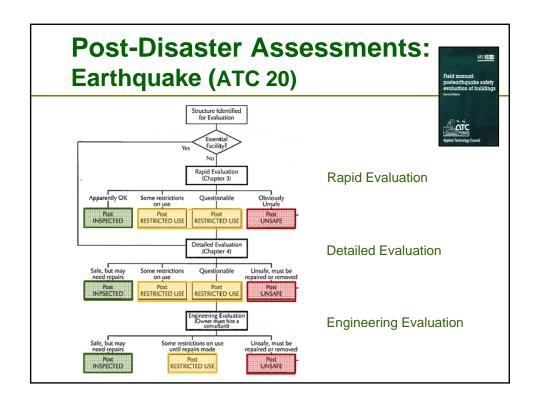
Structural safety is based on an adequate load path within the structural system

Post-Disaster Assessments:

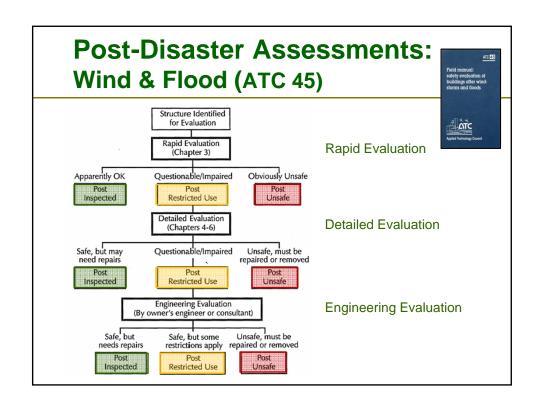
Post-Earthquake Safety Evaluation of Buildings

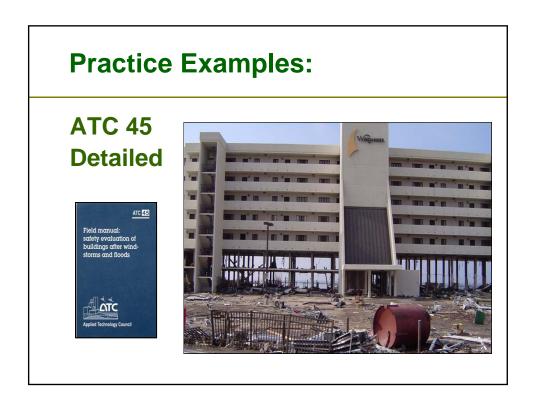
Earthquake Damage

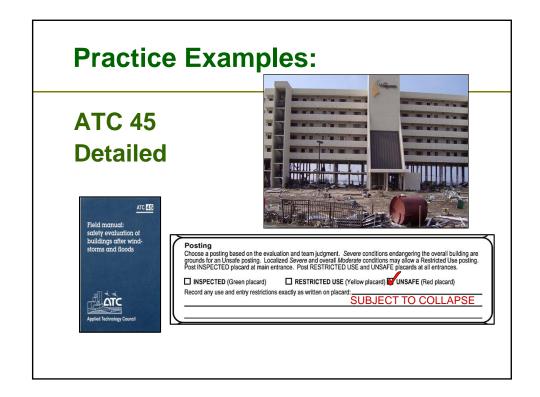


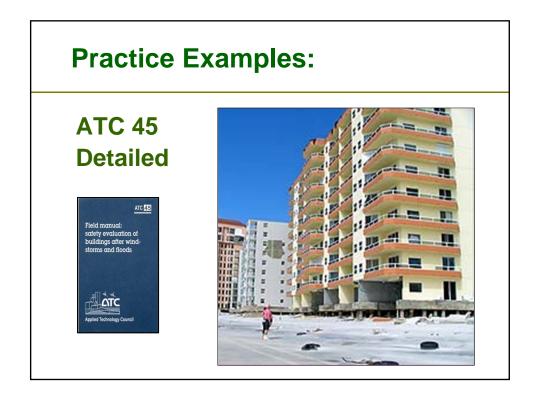


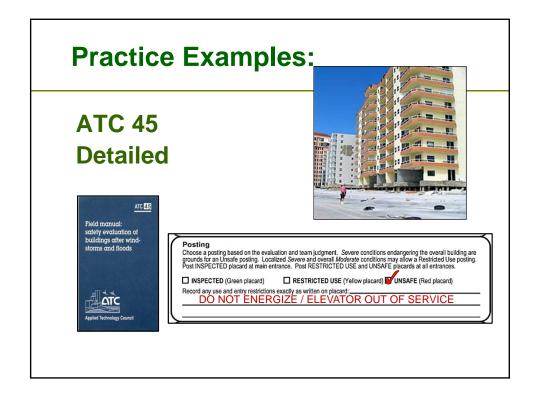
Post-Disaster Assessments: Safety Evaluation of Buildings after Wind-Storms and Floods Tornado Hurricane Field manual: safety evaluation of buildings after wind-storms and floods











Outline

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What is a Disaster Response Inspector?

A trained and qualified individual (resource) capable of performing post-disaster damage assessments

Disaster Response Inspector: Basic Types

- Structure Condition Evaluator
- ICC Disaster Response Inspector
- CalOES SAP Assessor
- ATC Damage Assessor

Disaster Response Inspector: Basic Types				
Greatest		Activity	Title	Certification Required
Training and Certification Levels		First Responder	Structures Specialist (FEMA / USACE)	Yes (1)(2)(3)(4)
	FEMA /	2 nd Responder	Structure Condition Evaluator SCE – Type 1	Yes (5)
	NIMS Resource	2 nd Responder	Structure Condition Evaluator SCE – Type 2	Yes ⁽⁵⁾
		2 nd Responder	Structure Condition Evaluator SCE – Type 3	Yes (5)
	Mutual Aid /	2 nd Responder	ICC: Disaster Response Inspector DR Inspector	Yes ⁽⁶⁾
	EMAC Resource	2 nd Responder	CalOES: Safety Assessment Program SAP Assessor	Yes ⁽⁷⁾⁽⁸⁾
	Non-Affiliate	2 nd Responder	ATC Damage Assessor	No
Least				

Disaster Response Inspector: ICC's DR Inspector

A trained and qualified individual (resource) capable of performing post-disaster damage assessments of structures





Disaster Response Network

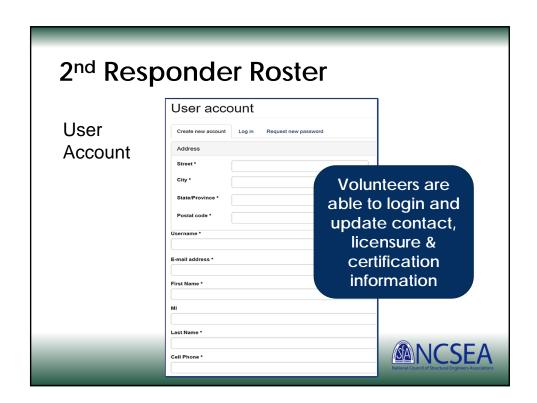
A listing of building safety professionals who have volunteered to help affected jurisdictions with building damage assessment, building inspections and other code-related functions

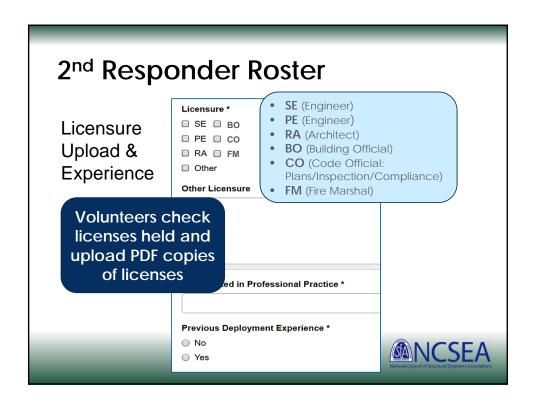


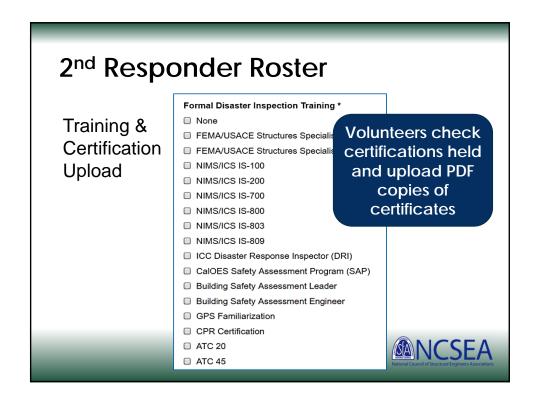
2nd Responder Roster

A database of trained and certified 2nd responders who are willing to assist with post-disaster condition assessments of structures at a local, State or national level

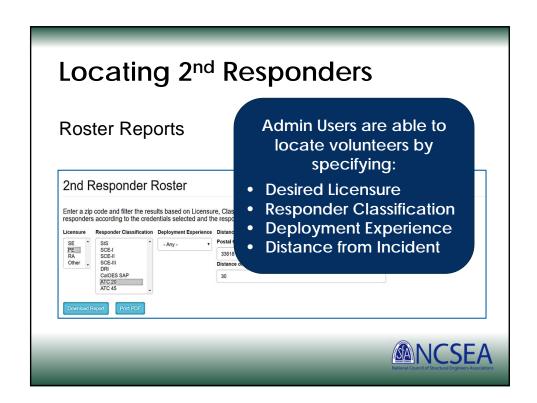


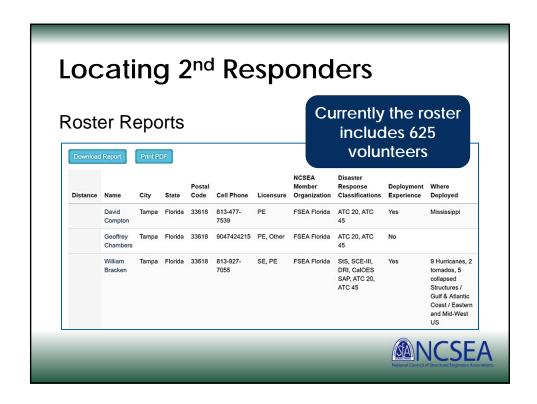


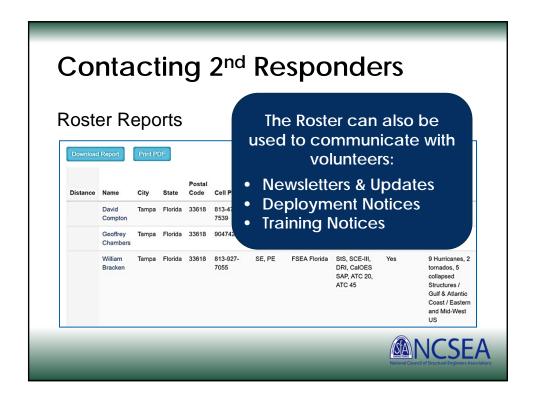












Disaster Response Inspector: Methods of Activation

There are 4 methods of activating 2nd Responders:

- Federal Resource (Request Through EM)
- State Resource (Request Through EM or BOA)
- Mutual Aid Resource (Request Through BOA)
- Volunteer (Direct Request)

Disaster Response Inspector: Getting Involved

ICC Disaster Network

http://iccsafe.org/about-icc/safety/icc-disaster-response-network

2nd Responder Roster

http://ncsea-seer.com