



A Tale of 3 Floods: Disaster Case Studies from South Carolina, Missouri, and West Virginia



AmeriCorps State and National Symposium 2016



Agenda



- Panel presentations
 - *2015 South Carolina Floods*
 - *2016 West Virginia Floods*
 - *2016 Missouri Floods*
- Questions
- Open Discussion

Presenters



- Jen Murphy, *Operations Program Officer, CNCS Disaster Services Unit*
- Brent Kossick, *Executive Director, South Carolina Service Commission/United Way Association of South Carolina*
- Heather Foster, *Executive Director, Volunteer West Virginia*
- Don Stamper, *Executive Director, Missouri Community Service Commission*

Disaster Services Unit (DSU)

- CNCS agency lead for Preparedness, Mitigation, Response, and Recovery
- Work across agency and with all programs
- Disaster Services Strategic Initiative
- Partnerships

DSU and State Service Commissions

- Provide technical assistance during a disaster event, as requested
- Connect organizations and agencies to longer term national service programs
- Recovery Support Function (RSF) coordination
- National Service Disaster Scale

2015 South Carolina Floods

Brent Kossick, Executive Director, South Carolina Service Commission/United Way Association of South Carolina



Event Snapshot



- Early October 2015
- 36 of the state's 46 counties were federally declared
- 428 National Service Members responded*
 - Mucked/gutted 73 homes
 - Directly assisted over 3,000 people
 - Collected and distributed over 9 tons of donations
- Fast Track Repairs program
- State Service Commission played significant role with state VOAD, State EMA, and long term national service resources

**Data as of March 24, 2016*

2016 West Virginia Floods

Heather Foster, Executive Director, Volunteer West Virginia



Event Snapshot



- Late June 2016
- 44 of the state's 55 counties were federally declared
- Over 120 national service members responded*
 - Mucked/gutted over 63 homes
 - Leveraged over 1,930 volunteers
 - Collected and distributed over 141 tons of donations
- State Service Commission played significant role with state VOAD, State EMA, and Volunteer Reception Center operations

**Data as of August 4, 2016*

2016 Missouri Floods

Don Stamper, Executive Director, Missouri Community Service Commission



Event Snapshot



- Late December 2015
- 41 counties declared
- Over 160 National Service Members responded*
 - Mucked/gutted over 277 homes
 - Removed 11,258 sandbags
 - Conducted 834 wellness/safety checks
- State Service Commission is playing a significant role in the state's long term recovery plan

**Data as of August 4, 2016*

State of Missouri Winter Flood Recovery



Missouri Flood Recovery

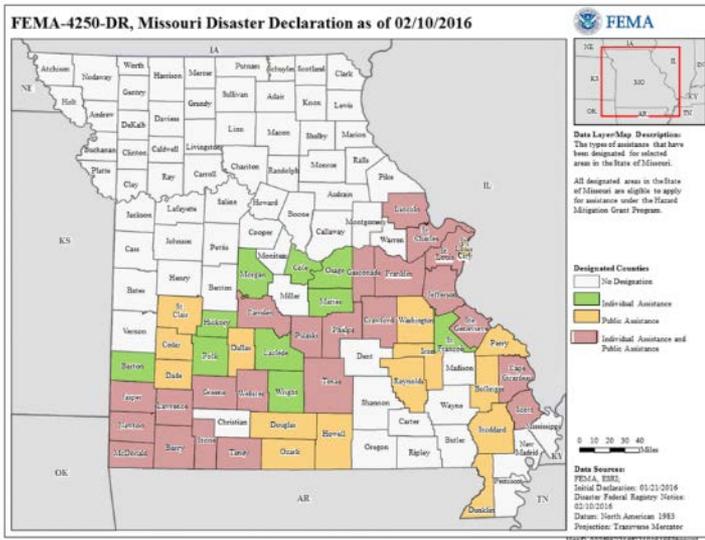
Winter Flood Event & Impacts

- Severe storms with tornadoes, straight-line winds, and heavy rainfall -- December 22 to January 9
- Resulted in widespread area from southwest Ozarks along the I-44 corridor to St. Louis metro area
- Latest of 19 Presidentially-declared flood-related disaster in the last 10 years (FEMA-DR-4250-MO)
- Arnold noted by FEMA as one of 15 significantly impacted communities that may benefit from recovery planning

Missouri Flood Recovery

DR-4250 By the Numbers

- 52 counties designated for Individual Assistance and/or Public Assistance
- More than 600 road closures
- 38 damaged levees – 17 federal, 21 non-federal



- 5,154 IA registrations = \$25,696,630 disbursed
- 1,246 NFIP claims, \$66,692,711 paid
- 407 SBA loans approved for \$17,218,000
- 236 Requests for Public Assistance = estimated \$38,549,477 estimated grants



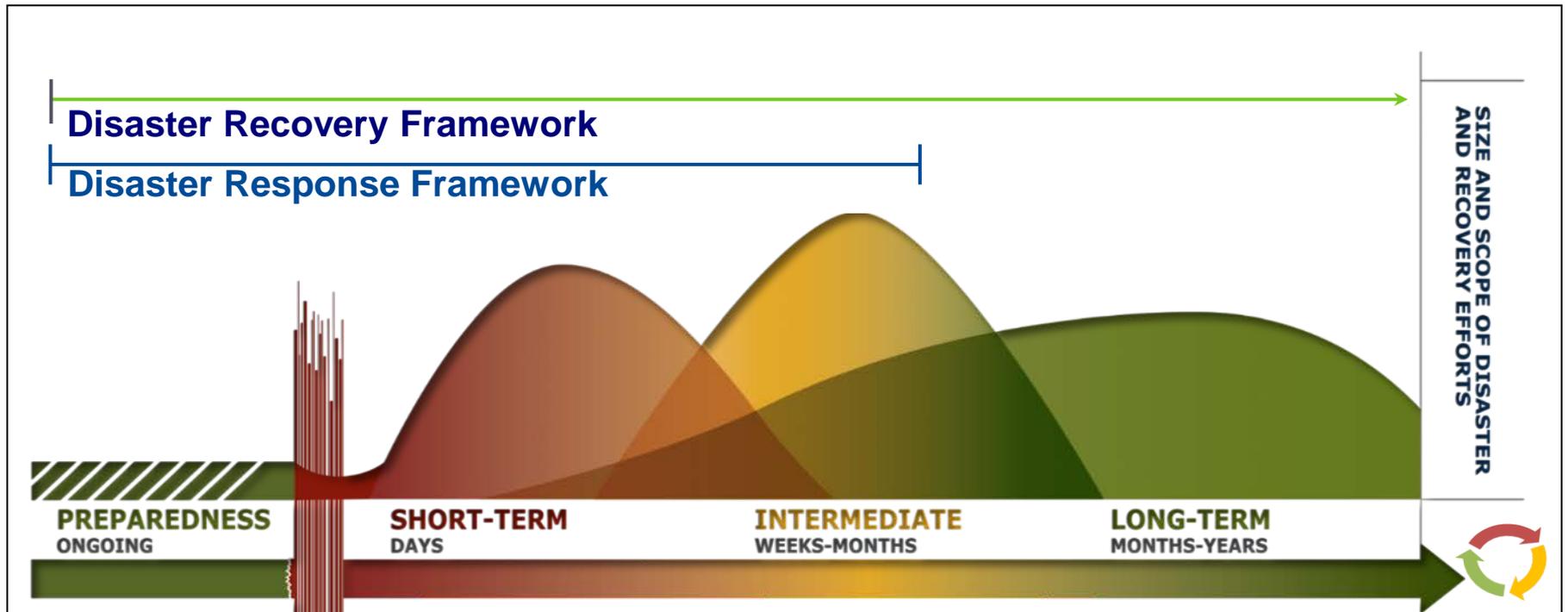
Missouri Flood Recovery

Disaster Response

- State and Local Emergency Management
- AmeriCorps St. Louis Emergency Response Team – deployed December 29
- 100+ AmeriCorps members to muck and gut and rebuild homes – beginning January
- Volunteers, MOVOAD, COADs, The Partnership
- Fundraising insufficient to address unmet needs

Missouri Flood Recovery

Transition to Recovery



Disaster Timeline and Phases

Missouri Flood Recovery

National Disaster Recovery Framework (NDRF)

- Establishes national coordination structure organized by Recovery Support Functions (RSFs)
- Is scalable, adaptable, and flexible Promotes holistic long-term recovery, sustainability, and resilience
- Fosters whole community coordination and unified effort at every level
- Facilitates problem solving
- Leverages resources to maximize outcomes

Community Planning Capacity Building		DHS/FEMA
Economic		Dept. of Commerce
Health and Social Services		Health & Human Services
Housing		Housing and Urban Development
Infrastructure Systems		US Army Corps of Engineers
Natural and Cultural Resources		Dept. of Interior

Missouri Flood Recovery

NDRF Activation in DR-4250

- Federal Disaster Recovery Coordinator (FDRC) appointed mid-March
- Two Recovery Support Functions (RSFs) activated – operational mid-April
 - Community Planning & Capacity Building
 - Infrastructure Systems
- State Disaster Recovery Coordinator (SDRC) appointed
- Purposes
 - Identify communities' long-term recovery challenges and needs
 - Coordinate partners to develop strategies and leverage resources to address recovery needs
 - Encourage recovery planning/capacity building

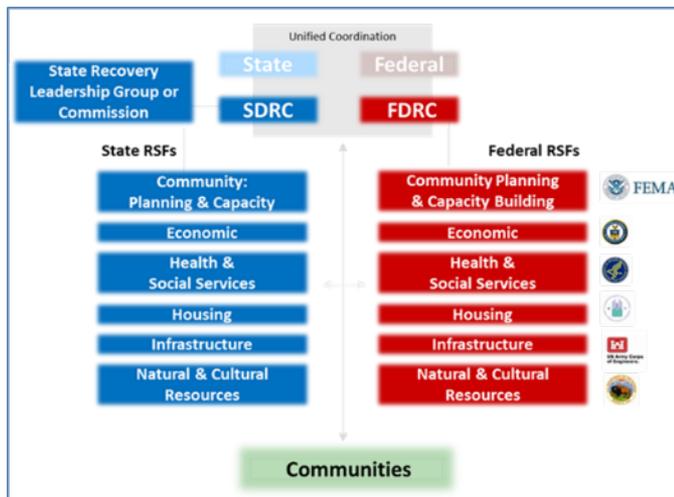
Missouri Flood Recovery

Long-Term Recovery Issues & Strategies

- **Issue 1: Strained State and Local Capacity May Limit a Timely and More Resilient Recovery**

- **Strategy 1-1**

Support the formalization and strengthening of a statewide recovery partner network that represents all levels of government and the whole community.



- **Strategy 1-2**

Support the development and delivery of recovery-related information and education to communities and various constituencies.

Missouri Flood Recovery

Long-Term Recovery Issues & Strategies, cont.

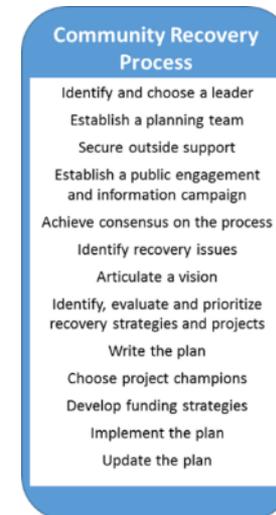
Issue 2: State Agencies and Local Jurisdictions Face Recovery Planning Challenges that Limit Their Ability To Maximize Recovery and Build Resilience.

Strategy 2-1

Support the development and delivery of a recovery process to facilitate holistic, all-hazards recovery and resilience planning at the local and regional levels.

Strategy 2-2

Provide community recovery planning guidance and training to state, regional, and local partners.



Missouri Flood Recovery

Long-Term Recovery Issues & Strategies, cont.

- **Issue 3: Comprehensive Watershed Planning and Floodplain Management Requires Better Coordination to Assure Effective Watershed Management.**



- **Strategy 3-1**

Improve communication, coordination, and education of stakeholders to minimize adverse impacts of flooding in watersheds.

- **Strategy 3-2**

Support watershed management planning to improve coordinated recovery efforts and build resilience.

- **Strategy 3-3**

Support efforts to protect natural functions of watersheds, build resilience into protection features, and limit the increase of storm water runoff from adjacent land development.

Missouri Flood Recovery

Long-Term Recovery Issues & Strategies, cont.

Issue 4: Transportation Systems Remain Vulnerable to Costly Flood Damages that Result in Economic Disruption and Risks to Life, Safety, and Property.

Strategy 4-1

Encourage resilience of interstate and state highway infrastructure.

Strategy 4-2

Encourage measures to minimize risks to life, safety, and property and build resilience at low-water crossings during flood conditions.



Missouri Flood Recovery

Long-Term Recovery Issues & Strategies, cont.

- **Issue 5: Utility Systems Remain Vulnerable to Flood Damages and Disruptions that Indirectly Impact Otherwise Habitable Homes and Businesses.**
- **Strategy 5**
- Improve the resilience of utility systems and operations to maintain services to areas not directly impacted by the disaster.

Missouri Flood Recovery

- **What Can You Do?**

- Engage with your local and state recovery networks to address recovery needs and leverage resources
- Encourage community members, organizations, staff, and others to participate in disaster recovery/resilience planning, preparedness, and networks
- Participate in recovery-related workshops and events
- Develop recovery mutual aid agreements, MOUs/MOAs, and contracts pre-disaster
- Adopt a recovery ordinance or policies to facilitate a more effective recovery

Missouri Flood Recovery

Points of Contact

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Questions and Discussion