A Tale of 3 Floods: Disaster Case Studies from South Carolina, Missouri, and West Virginia
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
• 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 Presidential-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
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**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
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
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
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.
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.
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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.
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.
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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.
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• 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
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Points of Contact

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Questions and Discussion