



2016 ANNUAL REPORT



UTAH DEPARTMENT OF PUBLIC SAFETY
DIVISION OF EMERGENCY MANAGEMENT



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Director's Message

Mother Nature may have been a little kinder to Utah in 2016 than in 2015. We did have three tornadoes, various wildfires, and flooding, thankfully, we did not have the devastating number of fatalities we saw the previous year. While we did have a fire that qualified for federal assistance and major flooding in Carbon County, we had no new major disaster declarations.

We did not however, let this reprieve put us on our heels.

We, at the Division of Emergency Management, use these years as our building, training, and mitigating years. We strove to learn lessons from disasters outside of Utah and took time to educate elected officials and key staff members about emergency management.

2016 also held some very important findings. For instance, a report from the Utah Geological Survey and other scientific partners concluded that Utah has a 57% chance of having a magnitude 6 or greater earthquake within the next 50 years. This information, along with all new findings, are extremely useful in our constant preparation and planning.

While the effort to respond to emergencies ebbs and flows with each day or week, the emergency management phases of preparedness, recovery, and mitigation require constant attention.

This year, we call on emergency managers and elected officials to take advantage of the time we have to make our state stronger, to increase our level of preparedness, to identify mitigation opportunities, to create protective ordinances and laws and to engage the whole community in these efforts.

Mother Nature has given us a small window of opportunity to do these things, so we are making the most of it.

Sincerely,



Kris J. Hamlet
Director, DEM



Executive Leadership

Governor Gary R. Herbert

Lieutenant Governor Spencer J. Cox

Department of Public Safety Commissioner Keith D. Squires

Department of Public Safety Deputy Commissioner Nannette Rolfe

Administration

Kris Hamlet, Director

Judy Watanabe, Deputy Director

Jona Whitesides, Preparedness Bureau Chief

Bob Carey, Response and Recovery Bureau Chief

Joe Dougherty, Public Information Officer

Amisha Lester, Special Projects Coordinator

Susan Thomas, Strategic Planner

Merri Coleman, Executive Assistant

Operations Section

Sheila Curtis, Section Manager

John Crofts, Planner

Angela Kula, Planner

Josh Groeneveld, GIS Planner

Cindy Cheng, GIS Intern

Bob Craven, Communications Support

Mitigation & Recovery Section

Brad Bartholomew, Section Manager

Jake Unguren, Deputy State Hazard
Mitigation/Recovery Officer

Eric Martineau, Mitigation Planner

Janna Wilkinson-Mayo, Mitigation Planner

Kathy Holder, State Floodplain Coordinator

Jamie Huff, Risk MAP Coordinator

Brandon Webb, Intern



Logistics Section

Dave Popelmayer, Section Manager

Rey Thompson, IM/Trainer

Lorry Herrera, Planner

Patrice Thomas, Planner

Kurt Tracy, WebEOC

Be Ready Utah Section

Wade Mathews, Section Manager

Maralin Hoff, Trainer

Jeff Johnson, Be Ready Schools Coordinator

James Ray, Citizen Corps Coordinator

Ken Kraudy, Community Outreach

Bryan Stinson, Community Outreach

Training & Exercise Section

Kris Repp, Section Manager, ETO

Ted Woolley, State Training Officer

Tracy Bodily, Exercise Officer

Don Cobb, Exercise Officer

Karen Madsen, Planner

Alden Orme, Trainer

Finance Section

Matt Ferguson, Section Manager

Denise Spillman, Financial Analyst

Anna Boynton, Financial Analyst

Tanner Patterson, Financial Analyst

Samantha Falde, Financial Analyst

Judy Ainsworth, Front Desk Support

Hillary Goldsmith, Intern

Utah Public-Private Partnership (UP3) Section

Matt Beaudry, Section Manager

Logan Sisam, Be Ready Business Program Manager

Kathy McMullin, Research Analyst

Ralph Ley, DHS PSA

Community Support Section

Kim Hammer, Section Manager

Kimberly Giles, Northern Region 1

Tara Behunin, Wasatch Front Region 2

Jeff Gallacher, Central Utah Region 3

Scott Alvord, Southwest Utah Region 4

Mechelle Miller, Northeast Region 5

Angelia Crowther, Castle Country &
Four Corners Regions 6 & 7

State Appropriated Funds



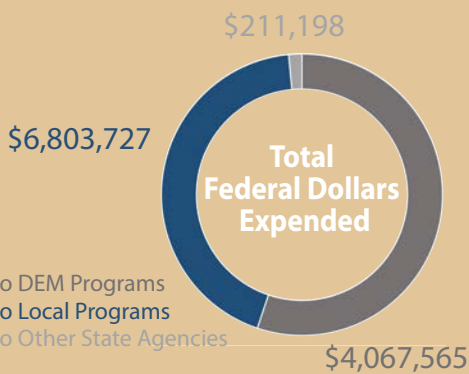
Funds from the State Disaster Recovery Restricted Account (53-2a-603) reimbursed to State Agencies and agents of the state:

- ~ \$883.24 to the Salt Lake County Incident Management Team (IMT) for their deployment to Hildale in 2015
- ~ \$11,580.22 technical adjustment to charge DEM employee time spent working at Hildale
- ~ \$379,701.33 reimbursement to the Department of Environmental Quality (DEQ) for expenses related to the 2015 Gold King Mine Spill

Funding from the Legislature benefits Utah's preparedness, response, and recovery efforts by:

- ~ \$1.3 million to fund salaries, daily operations, and matching obligations of federal dollars
- ~ \$650K to maintain the capability of interoperable communications through Omnilink
- ~ \$110K to fund the position of the Statewide Interoperability Coordinator

Federal Appropriated Funds



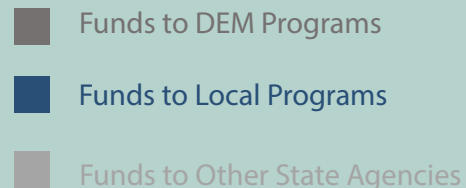
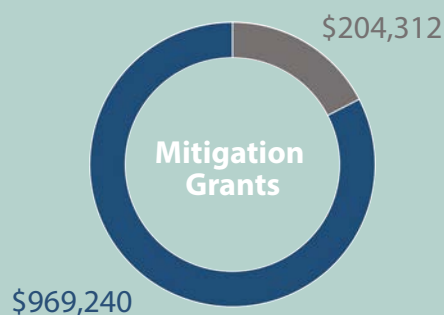
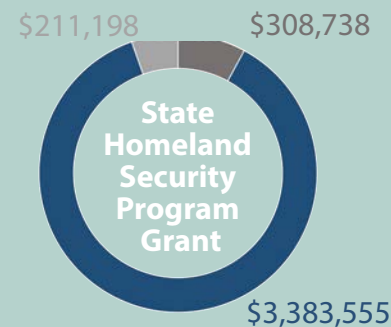
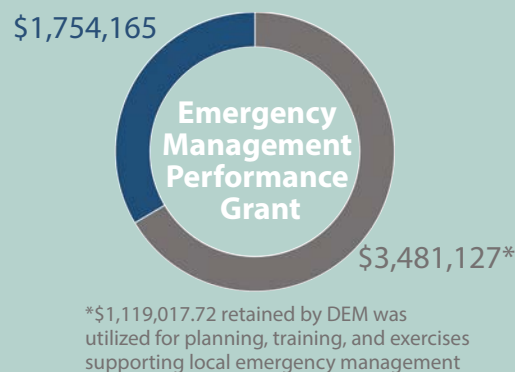
How do federal dollars benefit Utah?

- ~ Ensures Utah taxpayer dollars come back to the state and are spent on Utah needs
- ~ Augments first responder capabilities at the local level through planning, training, and equipment
- ~ Increases Utah's preparedness at the government, community, individual/family, and business level



Capabilities and resources enhanced this year through preparedness grants:

- ~ Sustainment of the Utah Bomb Squad Task Force, which allows seven FBI-approved teams to plan, train, and maintain uniformity across the state
- ~ Sustainment of the State Urban Search and Rescue committee to coordinate uniform training, response, and recovery within the state





UTAH DEPARTMENT
OF PUBLIC SAFETY

**DIVISION OF
EMERGENCY MANAGEMENT**

Our Vision

To achieve a self-sustaining culture
of emergency preparedness
for all individuals
and communities in Utah.

Our Mission

To unite the emergency management
community and to coordinate efforts
necessary to mitigate, prepare for,
respond to and recover from
emergencies, disasters and
catastrophic events.



**Utah Division of Emergency Management
2016 Theme**

SET YOUR SAILS

*Directional
Intentional
Successful*

MAKING THE MISSION HAPPEN

Emergency Support Functions

ESF #1 Transportation
ESF #2 Communications
ESF #3 Public Works
ESF #4 Firefighting
ESF #5 Planning
ESF #6 Mass Care
ESF #7 Resource Support
ESF #8 Health and Medical
ESF #9 Search and Rescue
ESF #10 Hazardous Materials

2016 CORE COMPETENCIES

- Discussing scenarios and resources needed
- Documenting the details in WebEOC
- Working the mission
- Understanding resources



The SERT met monthly to sharpen its skills and build partnerships. In 2016, the SERT worked through disaster scenarios and participated in various mission activities, including coordinating the emergency support functions within the EOC with over 30 hours of training.



ACTIVATIONS

- Carbon County Flooding
- Tornadoes
- Wildfire Season

ESF #11 Food & Water
ESF #12 Energy
ESF #13 Law Enforcement and Security
ESF #14 Recovery
ESF #15 Public Information
ESF #16 Military Support
VDCT
Air Operations

244
ACTIVE
PARTICIPANTS



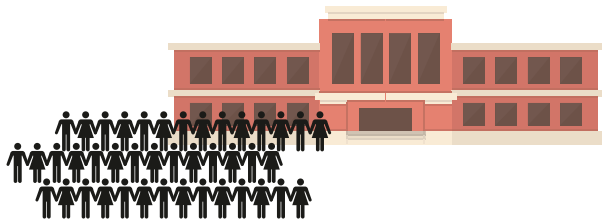


A study conducted through HB57, verifies that during a disaster FEMA could assign a disaster support mission to the United States Postal Service to carry out emergency services tasks.



HB 14 authorizes DEM to provide short-term loans to agents of the state for EMAC missions.

Legislative Highlights



SB 203 provides immunity from lawsuits for local governments and schools who are engaged in sheltering operation in good faith under direction from emergency agencies.

HB 12 established a short-term, low-interest loan program to be used for disaster related costs by local governments.



Be Ready Utah's Ready Schools Coordinating Council established in 2016 has 130 + members including representatives from all 41 school districts, 21 charter schools, 16 parochial and private schools, and members of the State Board of Education Office, the Utah PTA, and the Utah Charter Schools Association.



On September 2, 2016 the 2nd annual Local Emergency Planning Committees (LEPCs) Conference was held in Provo, Utah. Supported and carried out by the SERC and SERC Advisory for increased collaboration of best practices of LEPCs.

Highlights



Frameworks, Plans, and Annexes updated, exercised and/or finalized in 2016:

- The Cyber Incident Response Annex
- The Utah Disaster Recovery Framework
- The Utah State Emergency Operations Plan (EOP)
- The Capitol Protection Plan

Salt Lake Valley Water and Wastewater managers requested a DHS Assessment of their systems with focus on:

- Cybersecurity
- Comprehensive mapping and characterization of systems
- Climate adaptation actions for current and future water infrastructure



DEM Management Serve on these Committees and Boards

State Emergency Response Commission (SERC)
Utah Regional Coordinating Council (URCC)
Governor's Public Safety Summit Committee
Utah Public Information Officers Association
National Emergency Management Association (NEMA)
Utah Commission on Service and Volunteerism Disaster Services Sub-Committee
Utah Emergency Management Administrative Council
DPS Safety Committee
Utah Commission on Service and Volunteerism
State Search and Rescue Advisory Board
State Urban Search and Rescue Advisory Board
State Citizen Corps Council
Beehive Drive



FEMA Region VIII Regional Advisory Council
Public Health and Hospital Preparedness Advisory Committee
Emergency Management Accreditation Program (EMAP) Standards Subcommittee
Intermountain Center for Disaster Preparedness (ICDP)
Greater Salt Lake Area - Red Cross Executive Committee
EPA Region VIII Regional Response Team (RRT)
Utah Seismic Safety Commission (USSC)
Utah Floodplain and Stormwater Management Association (UFSMA)
Utah Cyber Incident Response Working Group
Utah Counterterrorism Working Group
Utah Continuity of Operations Working Group
Intermedix WebEOC User Advisory Board
Intermedix Mapping Working Group
Region VIII WebEOC Administrators Working Group

Highlights



Utah Virtual Operations Support Group (VOST) 1 activated during the funeral of Officer Cody Brotherson, a West Valley City officer who was killed in the line of duty in November. PIOs from West Jordan, Bear River Health Department, and one from California partnered with virtual support.

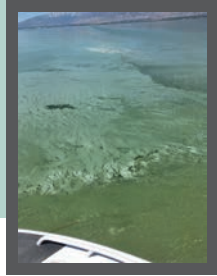


Utah Lake & Payson Lake Algae Blooms Mid-July to September 2016

*Utah Lake closed on 7/13/16, and reopened 7/28/2016

*7/17: DEQ advises not to use water from Utah Lake, Jordan River and related canals

*8/3: algae bloom warning for Payson Lake- no recreation or irrigation



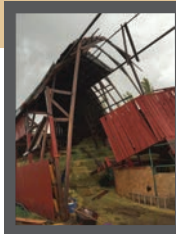
2016 Disasters

Weber County Tornado September 22, 2016

*F1 Tornado

*Went through the Cities of Riverdale, Washington Terrace, and South Ogden

*3 homes destroyed, 19 homes major damage

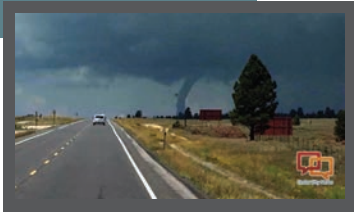
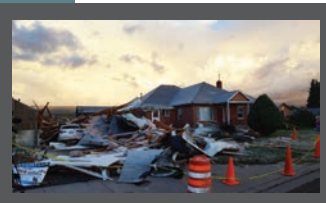


Panguitch Tornado September 22, 2016

*F1 Tornado

*1 business and several homes damaged

*Winds up to 110 miles per hour



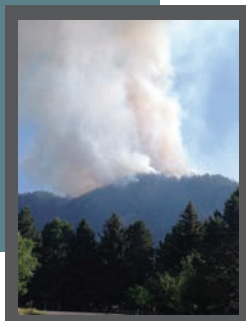
Washington County, Saddle Fire June 13 - July 23, 2016

*FEMA authorized an FMAG

*Mandatory evacuations were issued

*2,299 acres burned

*Estimated cost to date is \$14 million



Scofield Reservoir Algae Bloom Mid-July to September 2016

*7/21: Scofield algae bloom notification to DWQ

*8/29 warning issued for people not to recreate on the water / and to fish at your own risk

*Scofield Lake closed 8/30, and reopened 9/14



Carbon County Flooding Helper City, Spring Glen, East Carbon/Sunnyside City, Price City, Wellington, and outlying county September 22-29, 2016

*7 homes with major damage

*129 homes, and 1 multi-family structure affected

*Estimated total damage is \$3,314,000



UP3 expansion into Utah, Davis,
Daggett, Duchesne & Uintah Counties

Masters of Disaster (being phased out):
Kits disseminated: 131
Classrooms taught: 31
Schools involved: 7

Pillowcase Project (replacing MOD):
Classrooms taught: 17
Students involved: 1853

Moroccan
partners
attended
Shakeout

Utah's Largest
Shakeout
with 1,003,682
Registered

711 persons received 8 Signs of Terrorism
training including the Utah BLM, UDOT,
Utah Public Works, Utah Trucking
Association and Rocky Mountain Power



DEM Trainings:
37 Courses
1239 Participants

Murray School District: Horizon and Viewmont
Elementary School Seismic Retrofit from the PDM Grant

- Seismically retrofitted Horizon and Viewmont Elementary Schools
- \$1,988,603 total project
- \$994,301.50 federal share
- All Murray schools have been seismically retrofitted

- Public Safety Summit - 450 participants
- PIO Conference - 173 participants
- ARES/RACES Conf. - 87 participants
- CCDCs - 106 participants
- UFSMA - 150 participants
- LEPC - 100 participants

26 departments and 61 divisions
collaborated to update 21 Annexes
within the State EOP

215 Utah communities
participating in NFIP

35 NFIP Community Assisted Visits
82 NFIP Community Assisted Contacts
335 NFIP General Technical Assistance

150 attended the UFSMA
Conference held in St. George

4 counties have begun identifying
and prioritizing critical infrastructure
in their area including
41 municipalities
and 1 Tribe

Acronyms Legend:

ARES/RACES - Amateur Radio Emergency Service/Radio Amateur Civil Emergency Service

CCDC - City and County Directors Conference

COOP - Continuity of Operations Plan

HMGP - Hazard Mitigation Grant Program

HUD - Housing and Urban Development

LEPC - Local Emergency Planning Committee

LiDAR - Examining the Earth's Surface

NDRC - National Disaster Resilience Competition

SAR - Search and Rescue

UAV - Unmanned Aerial Vehicle

UDOH - Utah Department of Health

UFA - Unified Fire Authority

the Numbers

Be Ready Utah celebrated its 10th Anniversary with a declaration from Governor Gary Herbert, an emergency preparedness presentation in the capitol, and a cake

Be Ready Utah attended 151 fairs or presentations year to date

Be Ready Utah saw 34,379 people (approximately) at those events



Be Ready Utah conducted the Whole Community Disaster Simulation Exercise with 130 people present, representing 68 jurisdictions

Be Ready Utah conducted the 2-day State Citizen Corps Leadership Summit with 49 people attending

\$293,228 reimbursed to 24 counties participating in the Search and Rescue Financial Assistance Program

2,295 ARES/RACES volunteers available to provide radio communications

82,068 miles traveled statewide by liaisons

Liaisons attended 144 LEPCs, 765 + meetings, and supported 86 DEM events

Ready Your Business expands through presentations, newsletters and social media

99 responses/notifications by Liaisons to disaster or HazMat related events

32 Weekly Briefings and 107 Situation Reports created

99 state agency COOP plans updated to keep our state running

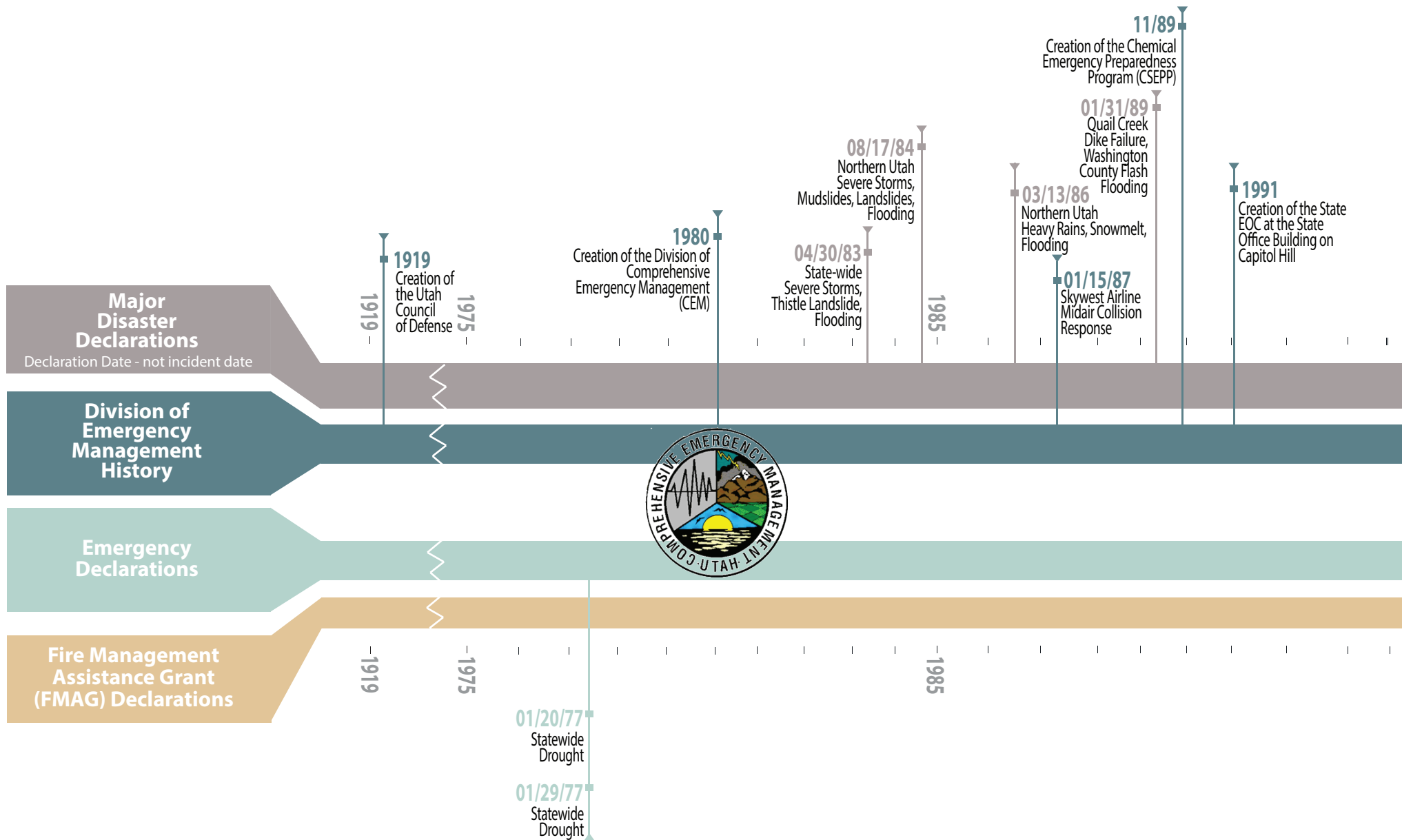
Be Ready Utah trained 44 state employees in CERT, total of CERT trained employees on Capitol Hill to 72

The State EOC activated 4 times

40 DEM employee interviews with 13 media outlets during 2016

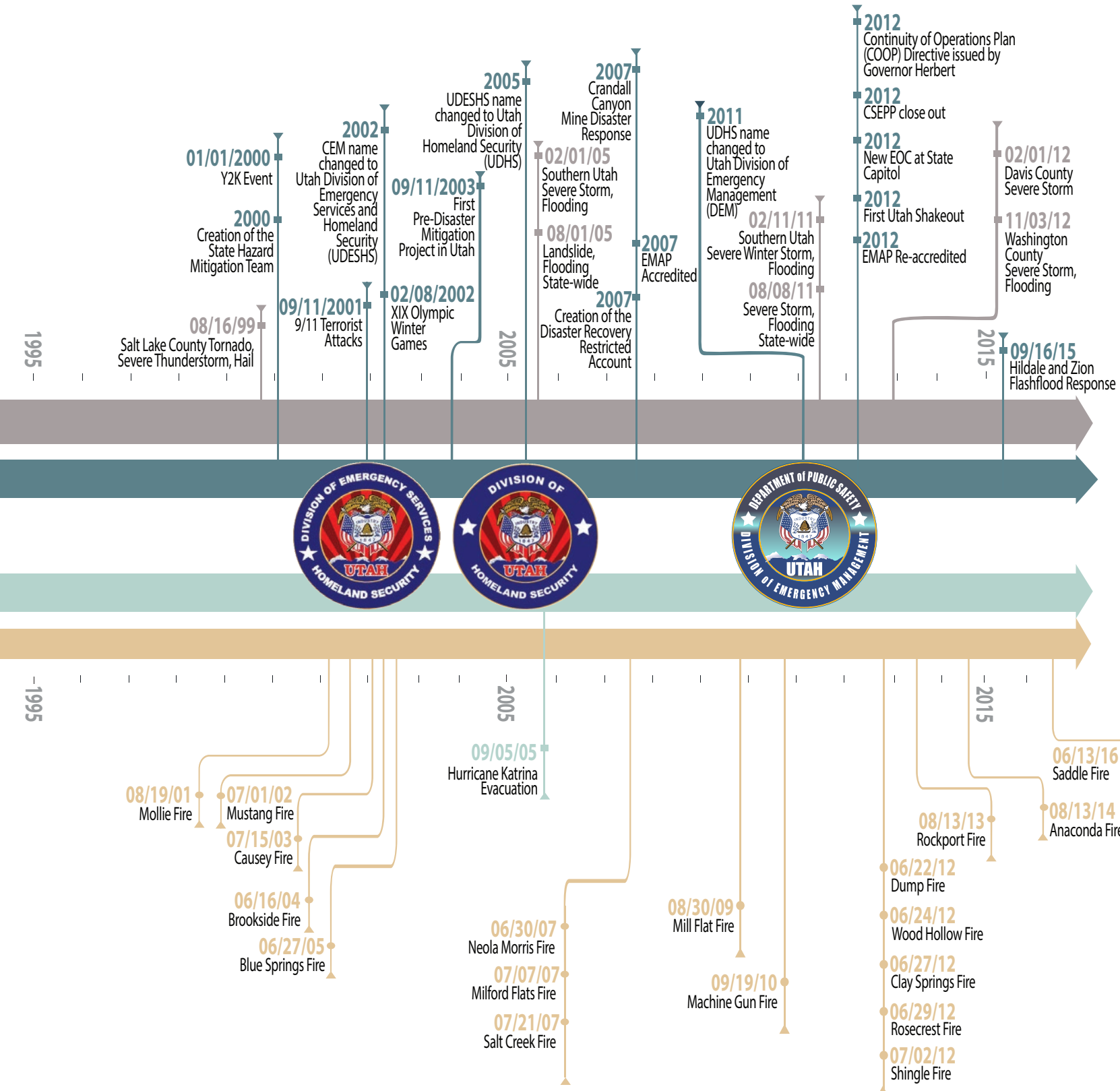
Utah PIOs activated twice to support media and public relations at funerals for fallen officers

DEM Exercises:
- Cyber TTX's (2) - 43 participants
- 5 SERT Exercises



Utah Disaster History and DEM throughout the Years

A Timeline



1984 Flooding in Salt Lake City



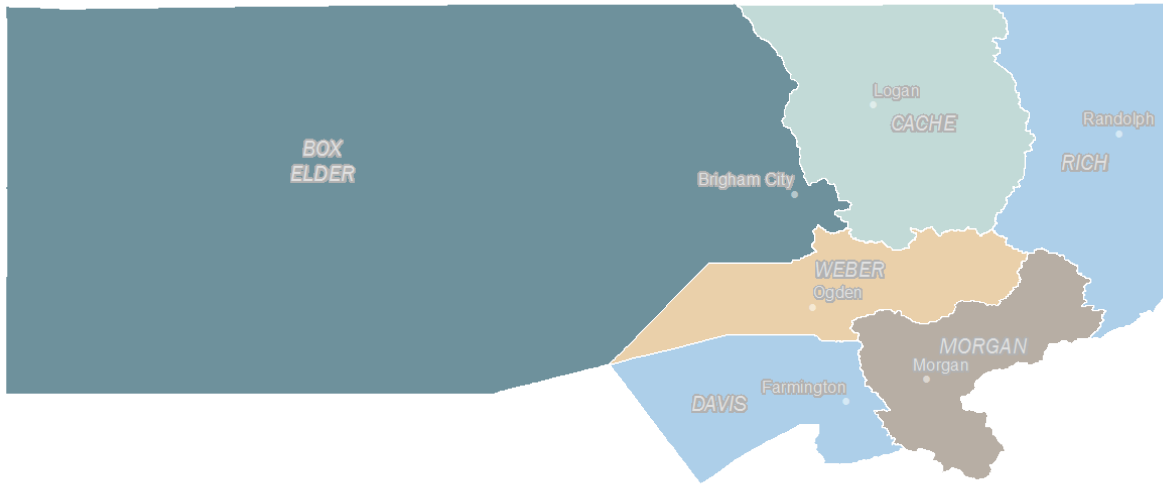
1999 Tornado in Salt Lake City



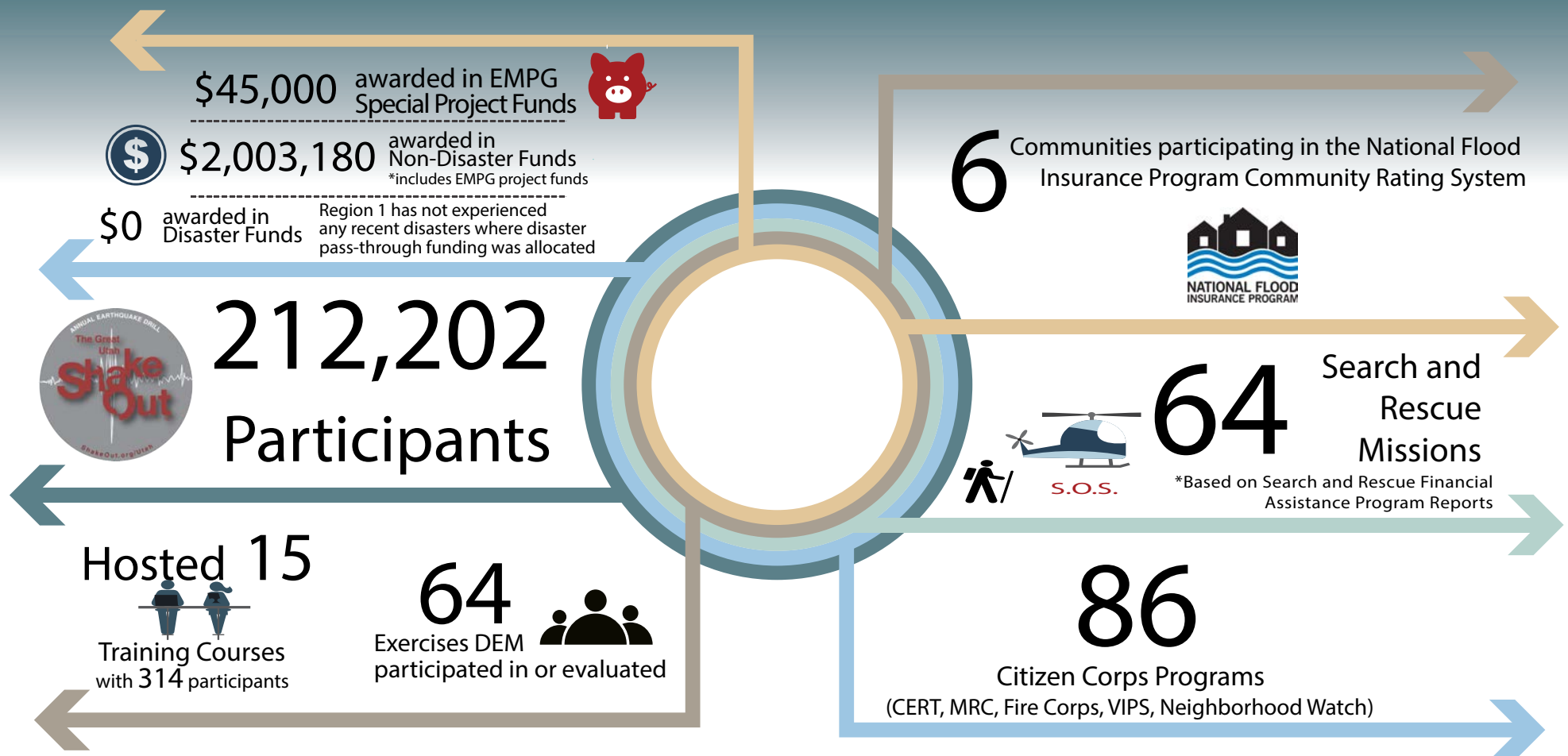
2005 Flooding in Southern Utah

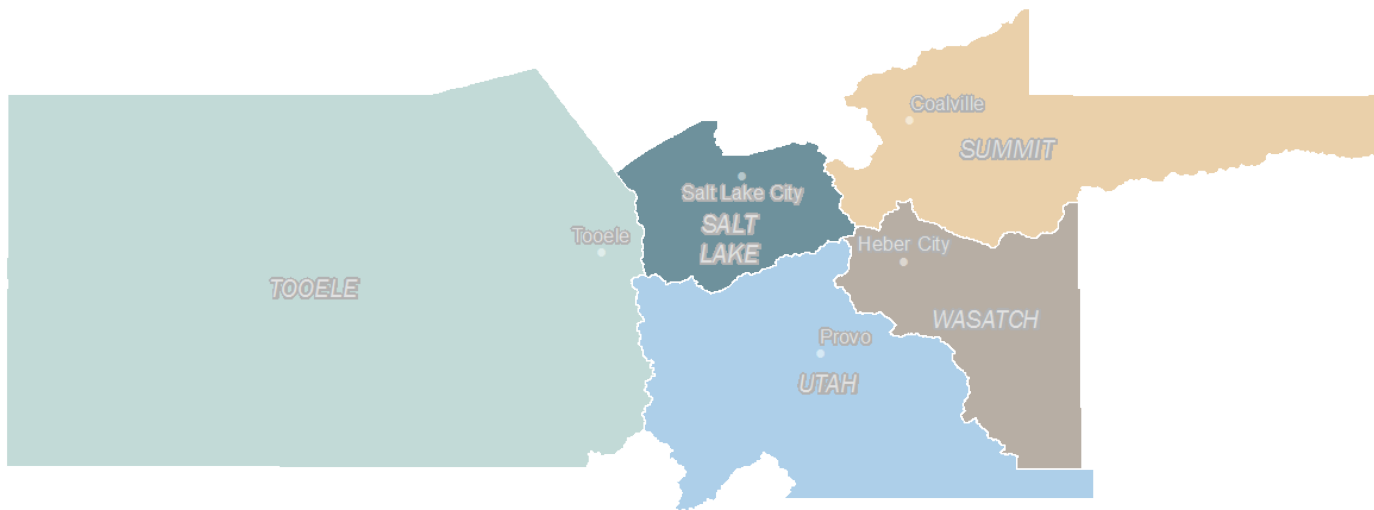


2016 Saddle Fire in Dixie NF

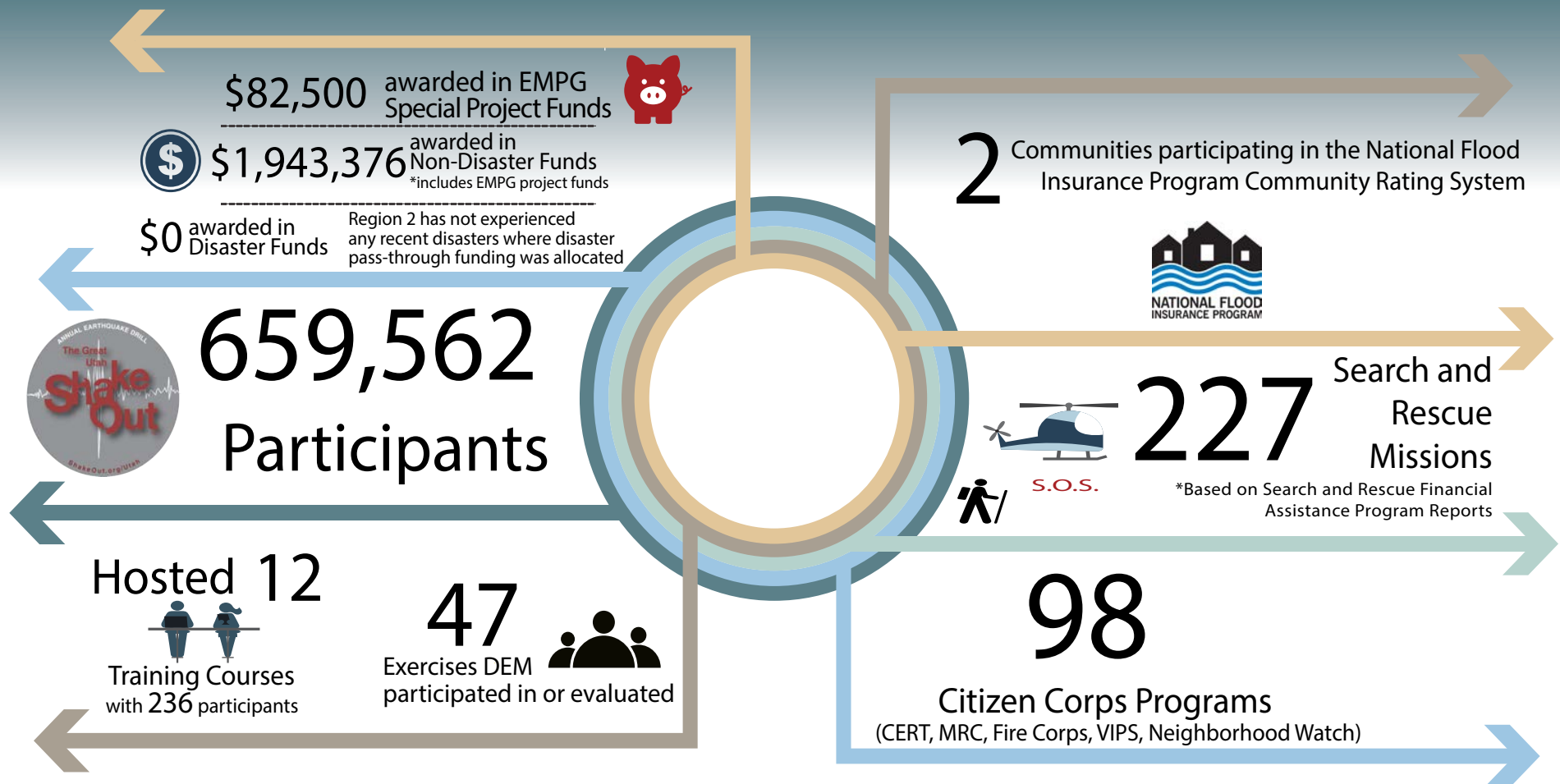


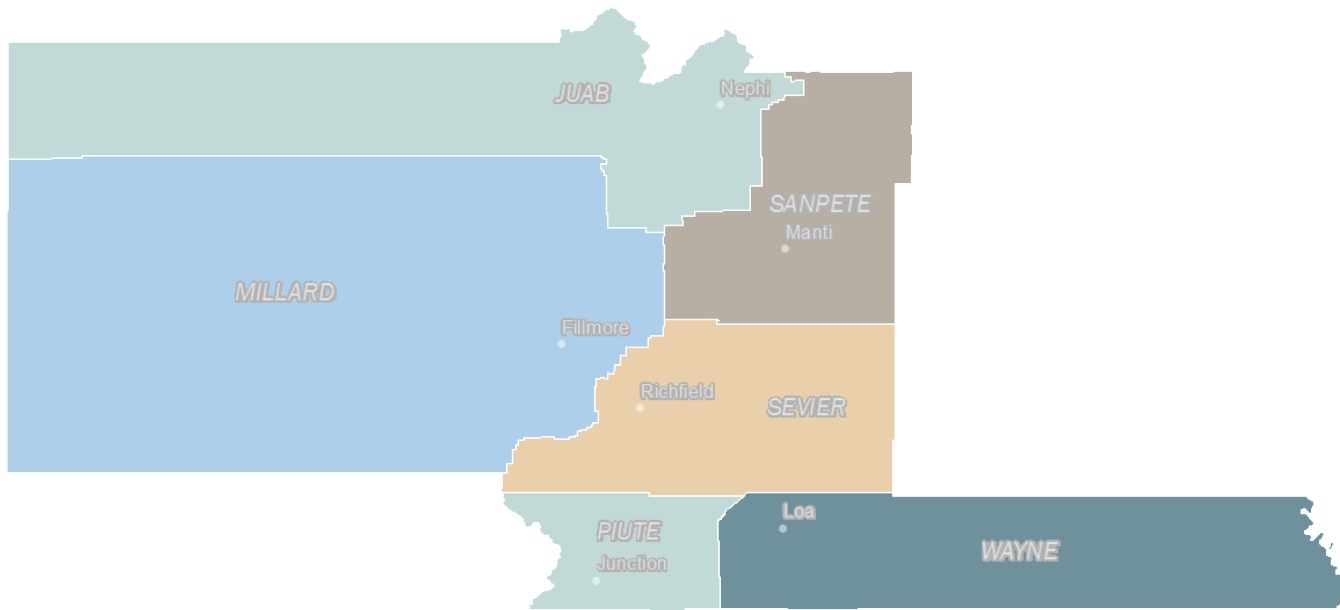
REGION 1 Northern Utah



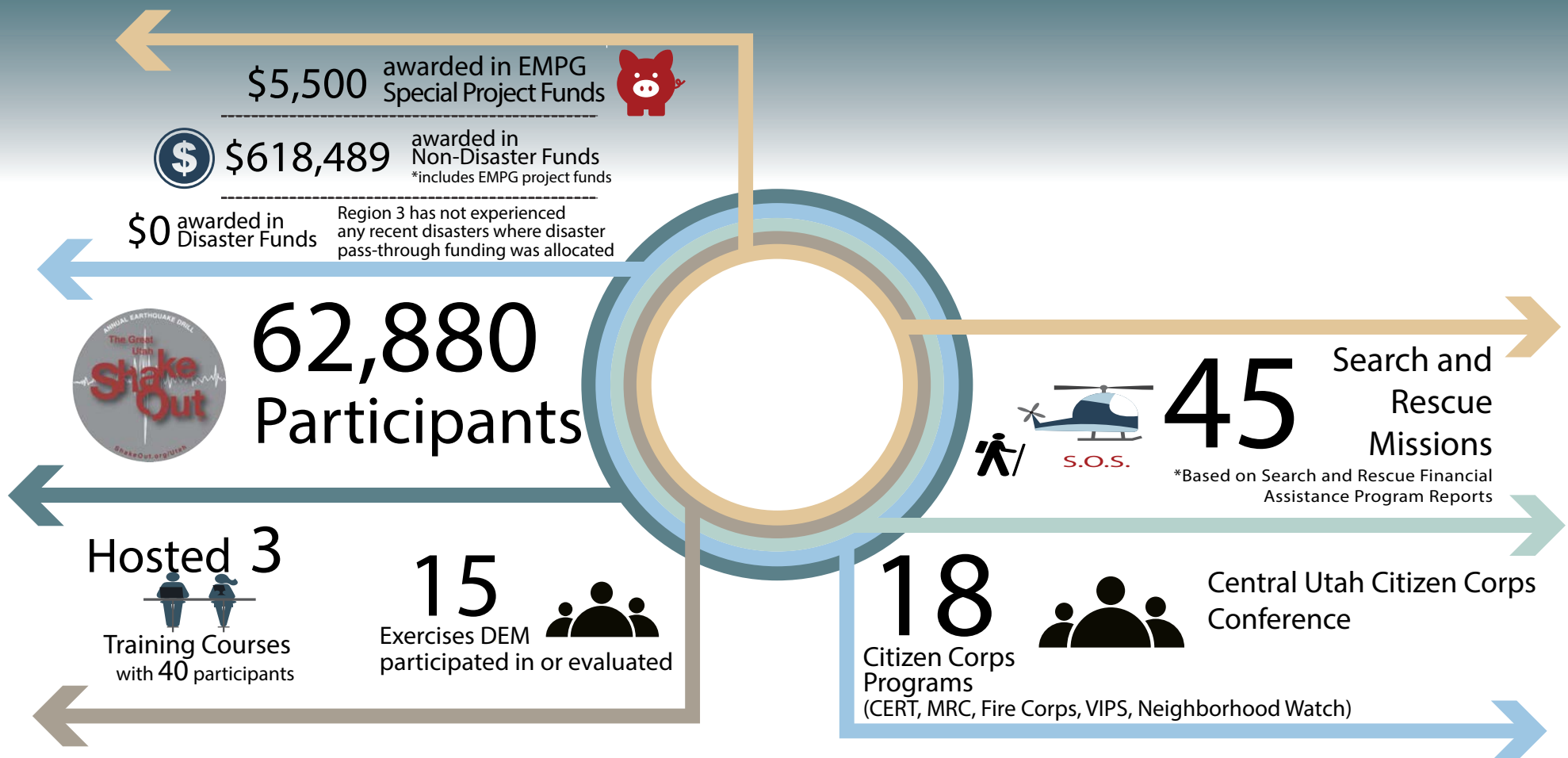


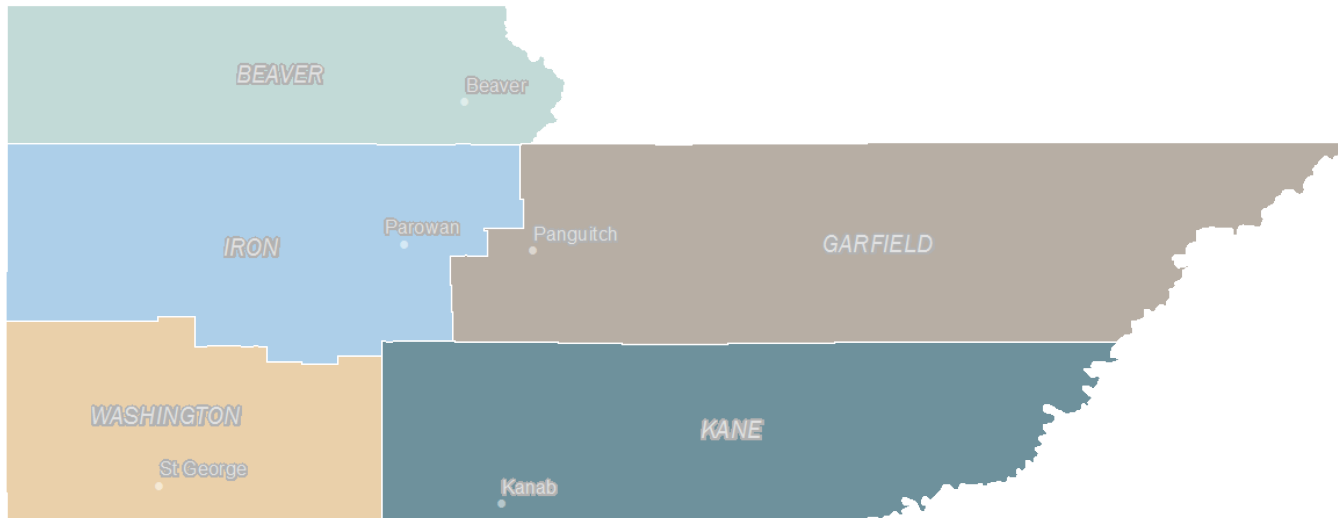
REGION 2 Wasatch Front



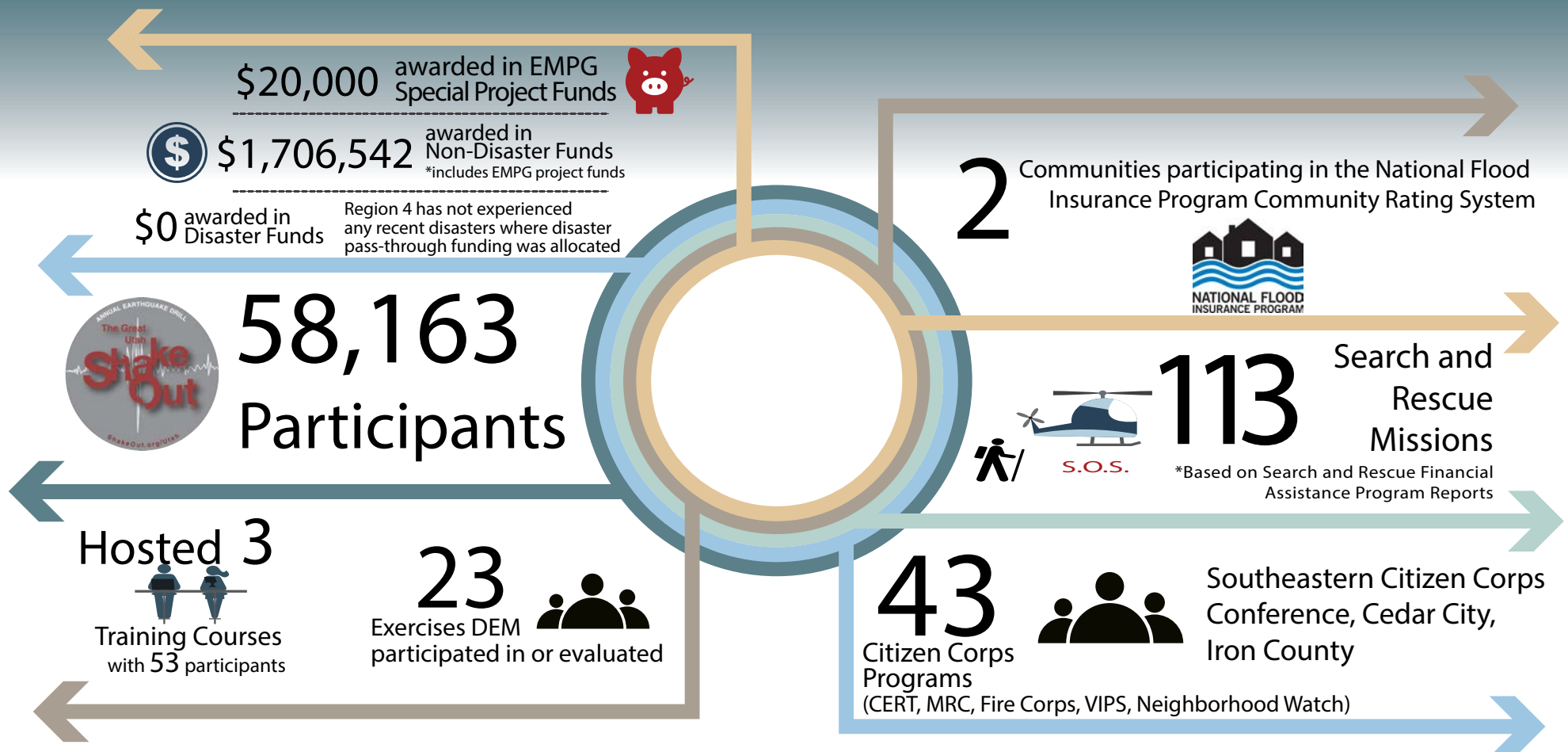


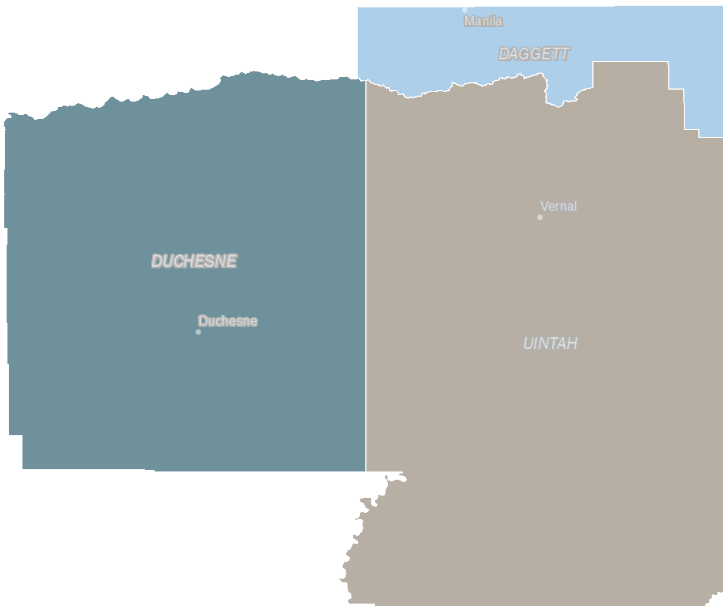
REGION 3 Central Utah



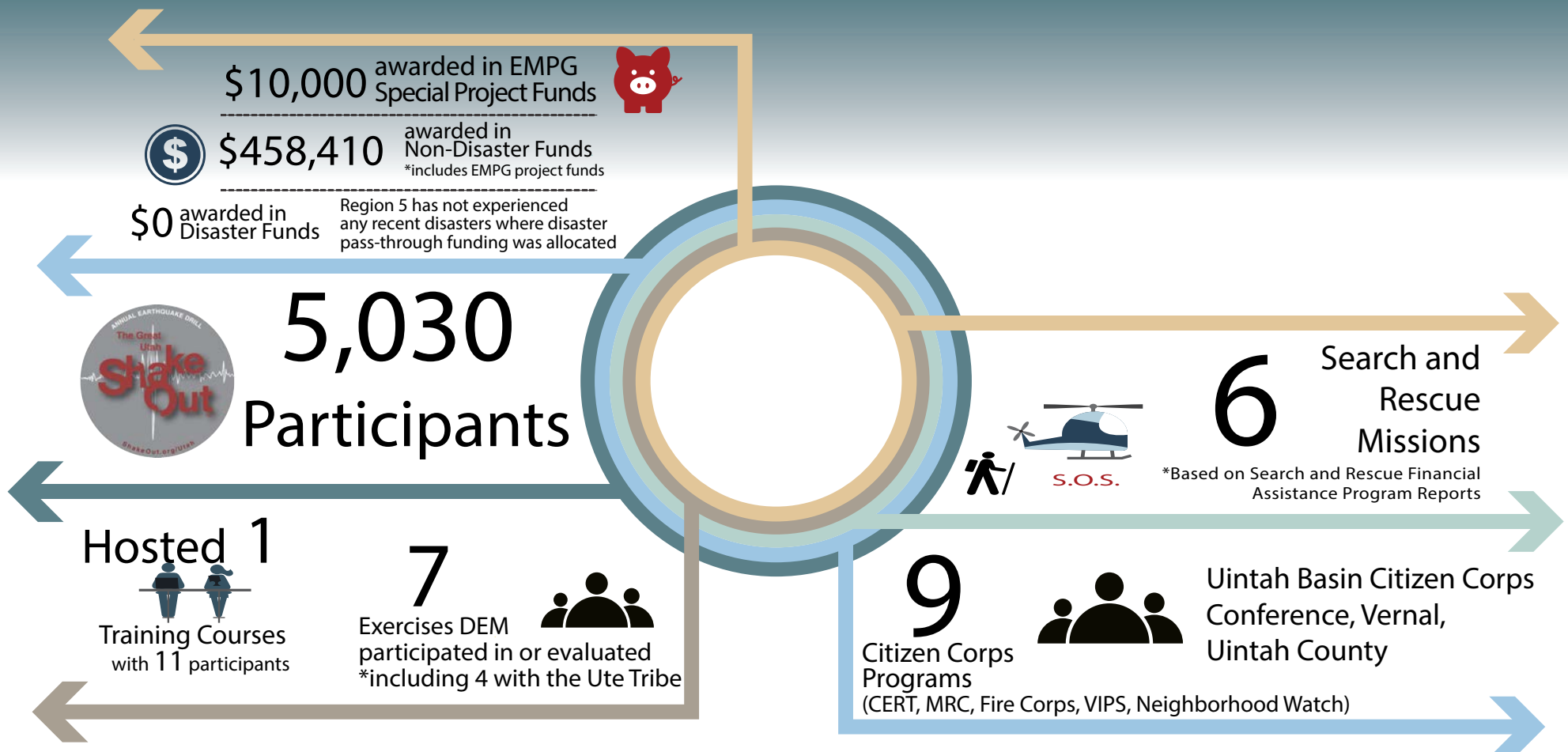


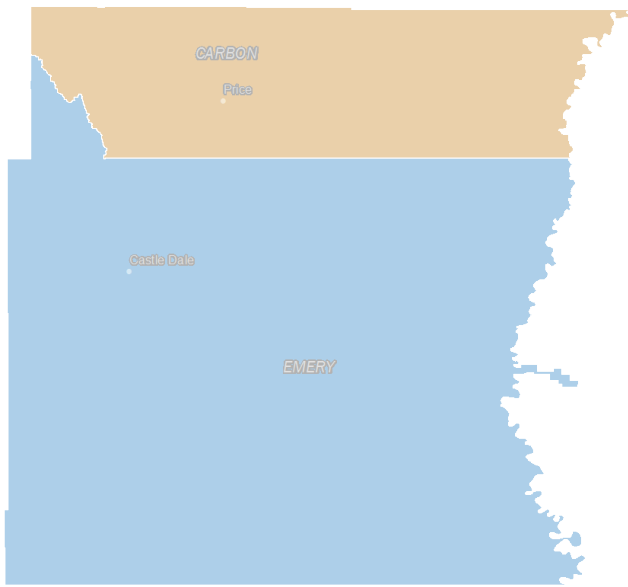
REGION 4 Southwest Utah





REGION 5 Northeastern





REGION 6 Castle Country

\$2,500 awarded in EMPG
Special Project Funds



\$312,024 awarded in
Non-Disaster Funds
*includes EMPG project funds

\$0

awarded in
Disaster Funds

Region 6 has not experienced
any recent disasters where disaster
pass-through funding was allocated



3,318
Participants

7

Exercises DEM
participated in or evaluated



9

Citizen Corps
Programs

(CERT, MRC, Fire Corps, VIPs, Neighborhood Watch)



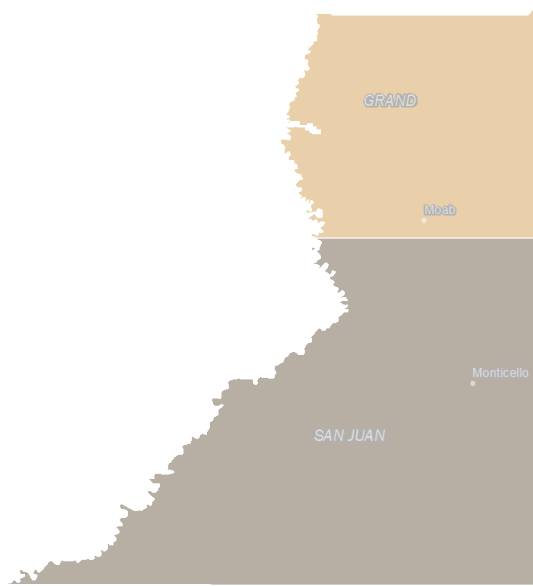
Conducted Citizen Corps
Outreach at Community Events

10

Search and
Rescue
Missions

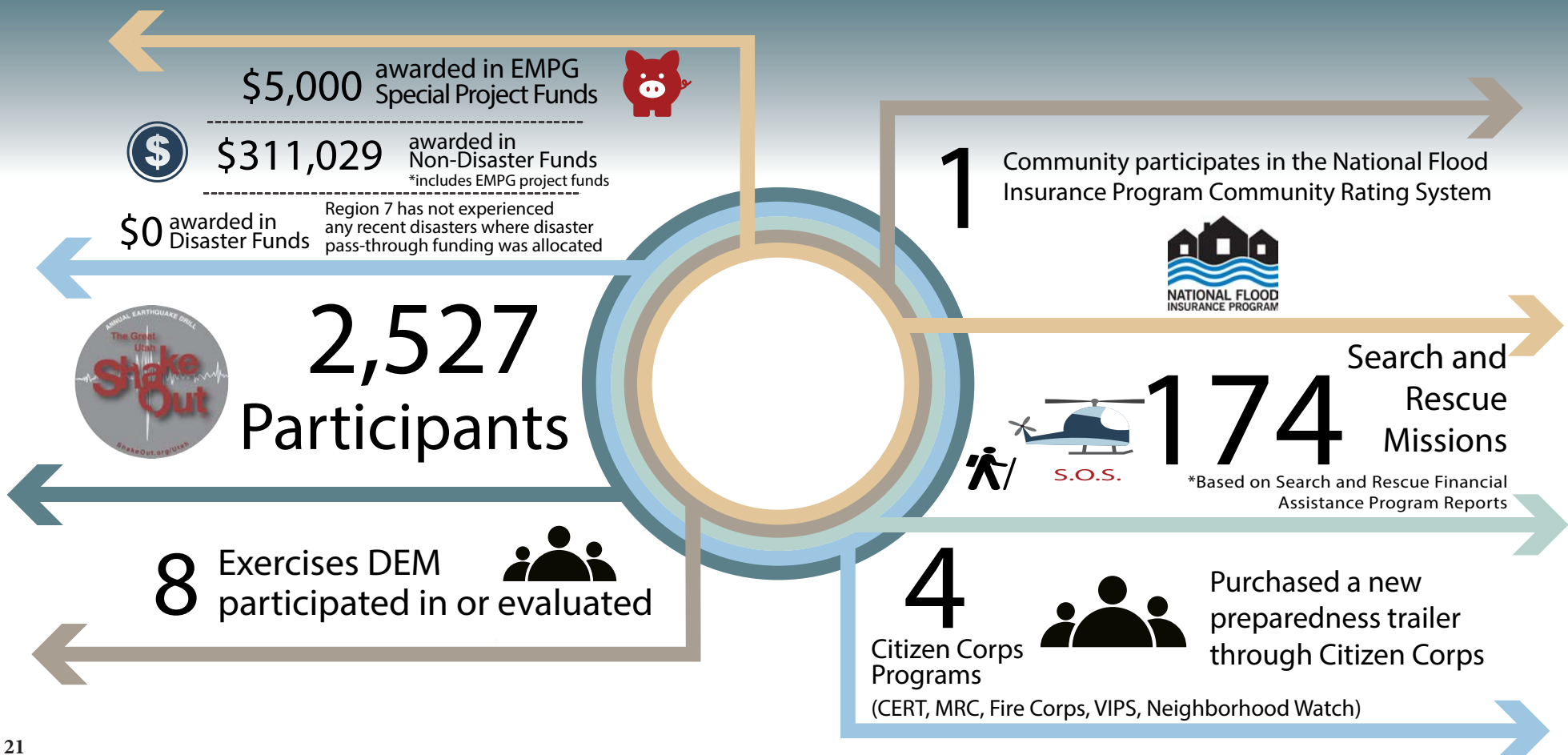


*Based on Search and Rescue Financial
Assistance Program Reports



REGION 7

Four Corners



PARTNERS



It takes the *whole* community to prepare for disasters.



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