



# 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,

A handwritten signature in black ink that reads "Kris J. Hamlet". The signature is written in a cursive, flowing style.

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



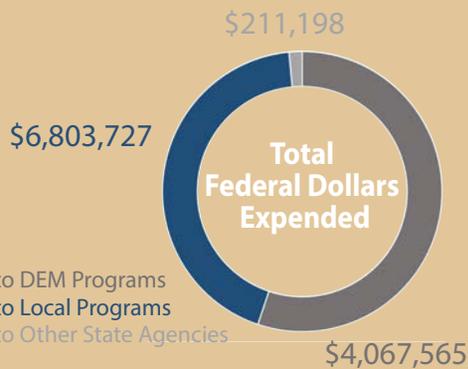
Funds from the State Disaster Recovery Restricted Account (53-2a-603) reimbursed to State Agencies and agents of the state:

- ~ \$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



- Funds to DEM Programs
- Funds to Local Programs
- Funds to Other State Agencies

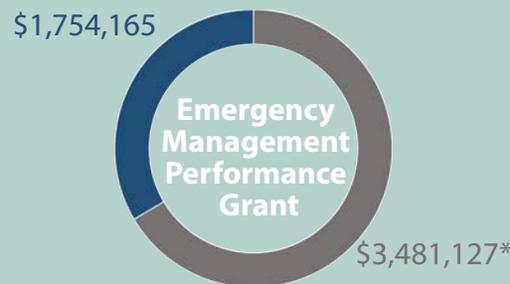
## How do federal dollars benefit Utah?

- ~ 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

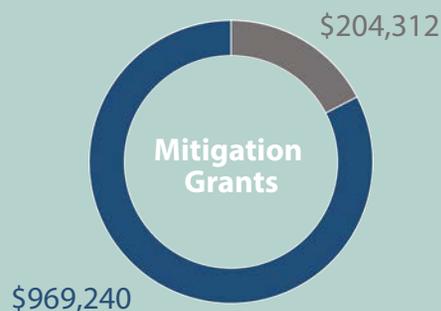
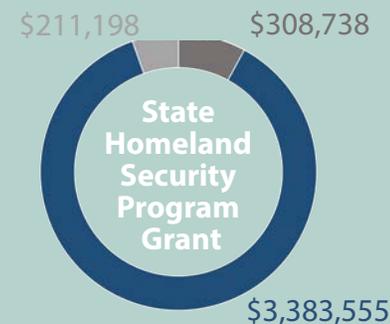


## Capabilities and resources enhanced this year through preparedness grants:

- ~ 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



\*\$1,119,017.72 retained by DEM was utilized for planning, training, and exercises supporting local emergency management



- Funds to DEM Programs
- Funds to Local Programs
- Funds to Other State Agencies

\*Flood Risk Products for Local Community Implementation



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

## 2016 CORE COMPETENCIES

### 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

- **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



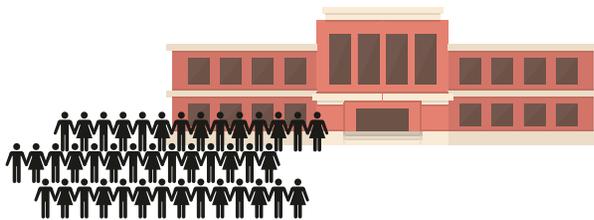


A study conducted through HB57, verifies that during a disaster FEMA could assign a disaster support mission to the United States Postal Service to carry out emergency services tasks.



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.



# 2016 Disasters

## 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

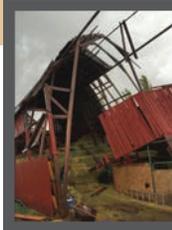


## Weber County Tornado September 22, 2016

\*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



## 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



## 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



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

40 DEM employee interviews with 13 media outlets during 2016

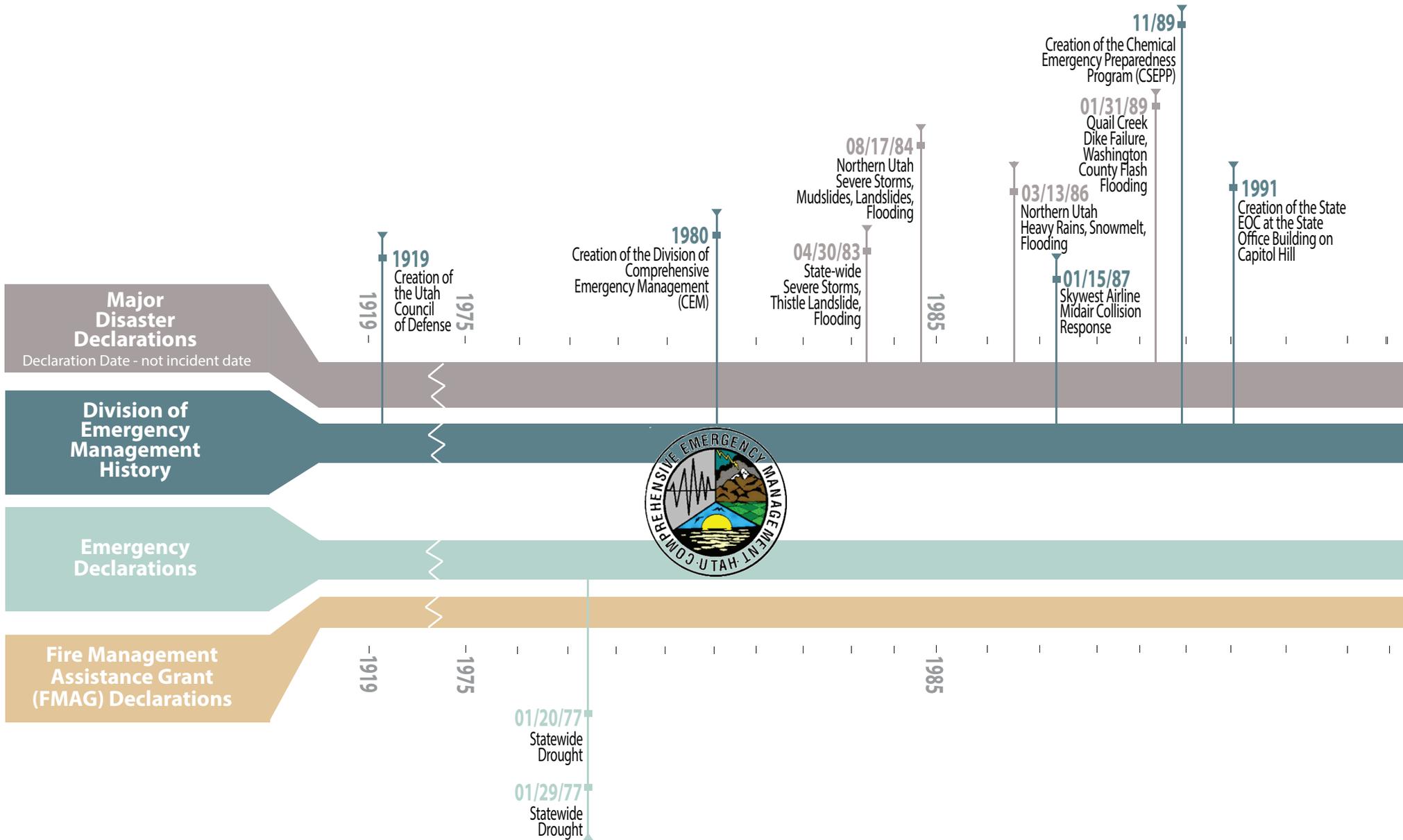
The State EOC activated 4 times

99 state agency COOP plans updated to keep our state running

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

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

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



# Utah Disaster History and DEM throughout the Years

A Timeline

1995

08/16/99  
Salt Lake County Tornado,  
Severe Thunderstorm, Hail

01/01/2000  
Y2K Event

2000  
Creation of the  
State Hazard  
Mitigation Team

09/11/2001  
9/11 Terrorist  
Attacks

2002  
CEM name  
changed to  
Utah Division of  
Emergency  
Services and  
Homeland  
Security  
(UDESHS)

02/08/2002  
XIX Olympic  
Winter  
Games

09/11/2003  
First  
Pre-Disaster  
Mitigation  
Project in Utah



2005  
UDESHS name  
changed to Utah  
Division of  
Homeland Security  
(UDHS)

2005

02/01/05  
Southern Utah  
Severe Storm,  
Flooding

08/01/05  
Landslide,  
Flooding  
State-wide

2007  
Creation of the  
Disaster Recovery  
Restricted  
Account

2005

09/05/05  
Hurricane Katrina  
Evacuation

06/30/07  
Neola Morris Fire

07/07/07  
Milford Flats Fire

07/21/07  
Salt Creek Fire

2007  
Crandall  
Canyon  
Mine Disaster  
Response

2007  
EMAP  
Accredited

08/30/09  
Mill Flat Fire

09/19/10  
Machine Gun Fire

2011  
UDHS name  
changed to  
Utah Division of  
Emergency  
Management  
(DEM)

02/11/11  
Southern Utah  
Severe Winter Storm,  
Flooding

08/08/11  
Severe Storm,  
Flooding  
State-wide



2012  
Continuity of Operations Plan  
(COOP) Directive issued by  
Governor Herbert

2012  
CSEPP close out

2012  
New EOC at State  
Capitol

2012  
First Utah Shakeout

2012  
EMAP Re-accredited

2015

08/13/13  
Rockport Fire

06/22/12  
Dump Fire

06/24/12  
Wood Hollow Fire

06/27/12  
Clay Springs Fire

06/29/12  
Rosecrest Fire

07/02/12  
Shingle Fire

02/01/12  
Davis County  
Severe Storm

11/03/12  
Washington  
County  
Severe Storm,  
Flooding

09/16/15  
Hildale and Zion  
Flashflood Response



1984 Flooding in Salt Lake City



1999 Tornado in Salt Lake City



2005 Flooding in Southern Utah



2016 Saddle Fire in Dixie NF

1995

08/19/01  
Mollie Fire

07/01/02  
Mustang Fire

07/15/03  
Causey Fire

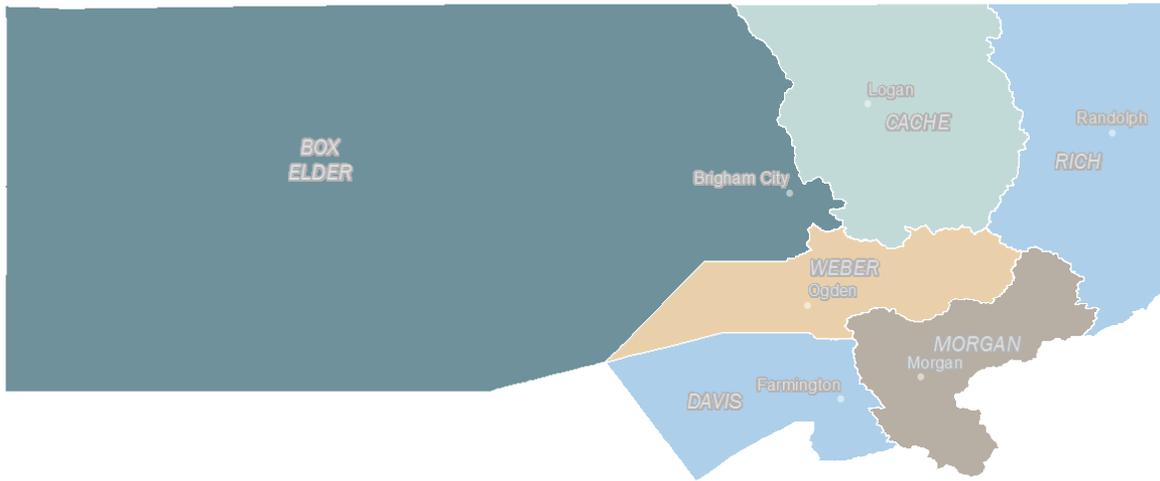
06/16/04  
Brookside Fire

06/27/05  
Blue Springs Fire

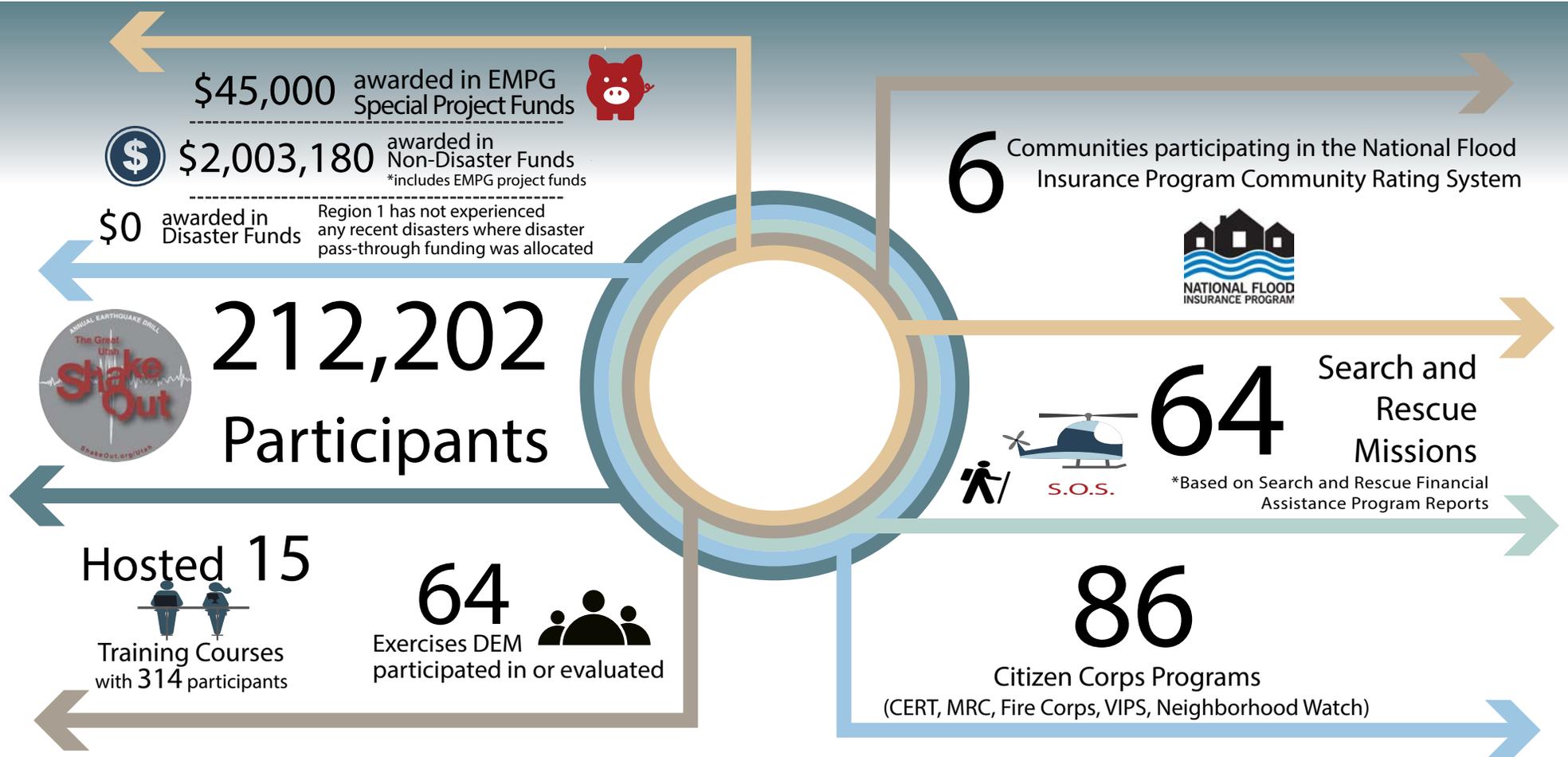
2015

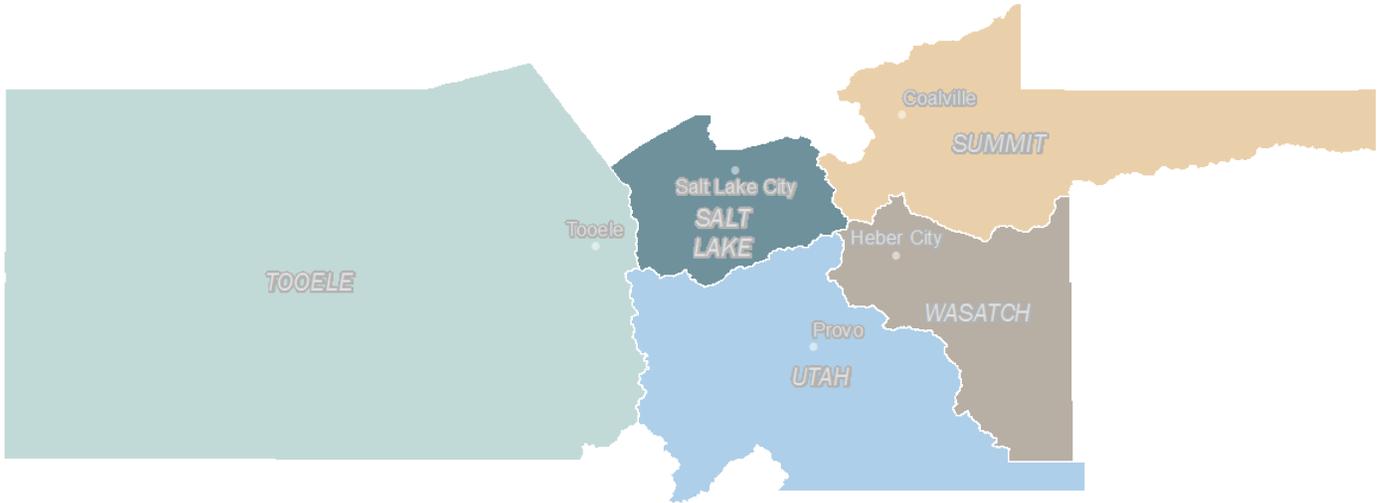
06/13/16  
Saddle Fire

08/13/14  
Anaconda Fire

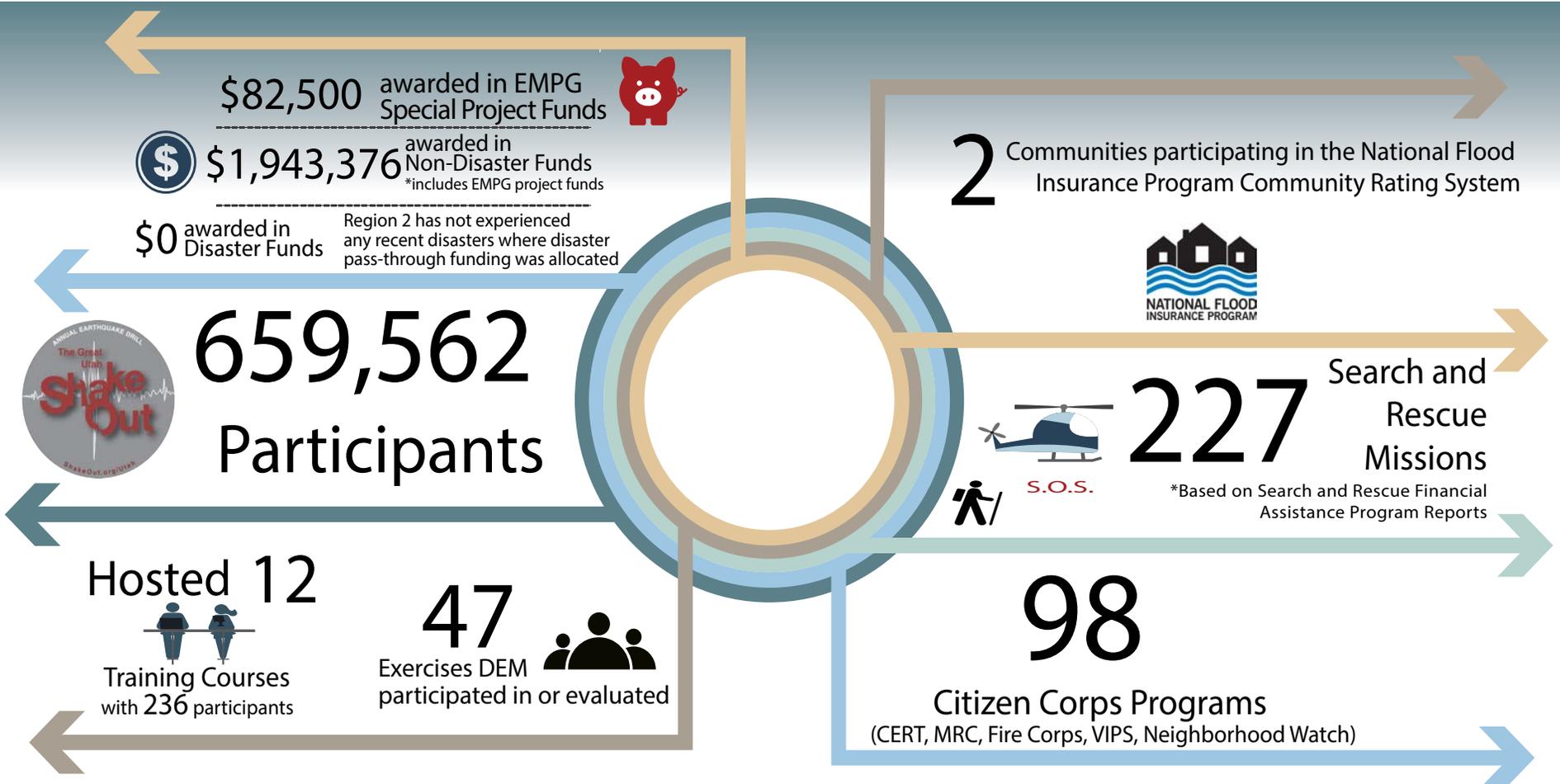


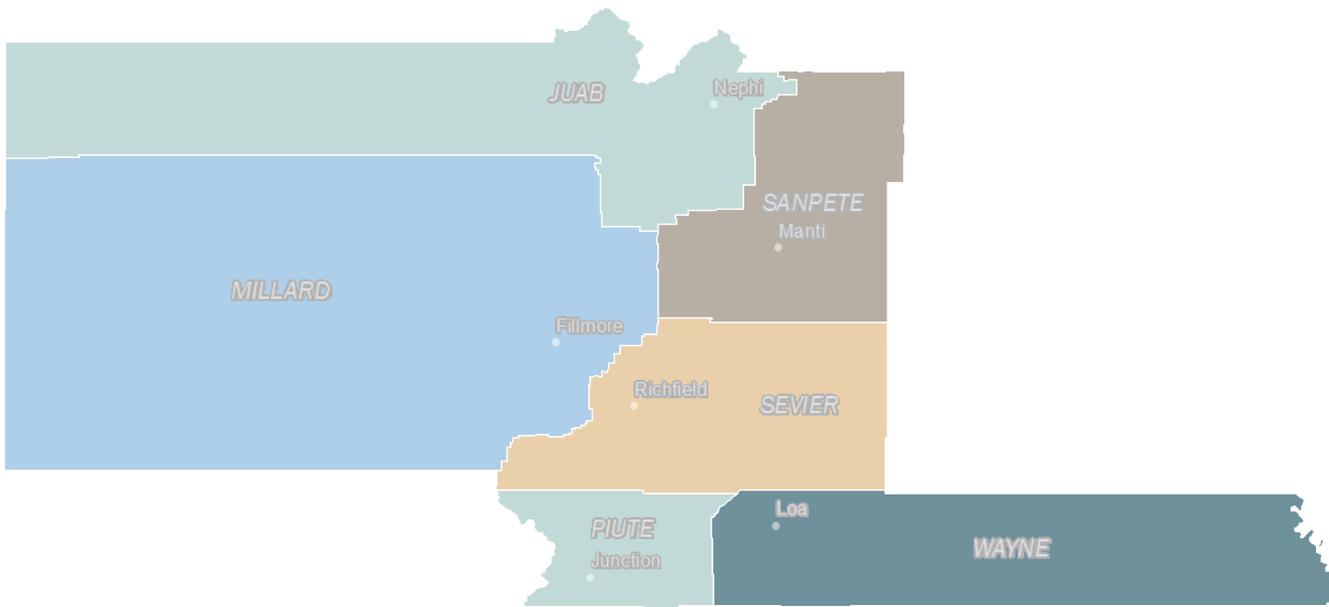
# REGION 1 Northern Utah





# REGION 2 Wasatch Front





# REGION 3 Central Utah

\$5,500 awarded in EMPG Special Project Funds 

 \$618,489 awarded in Non-Disaster Funds  
\*includes EMPG project funds

\$0 awarded in Disaster Funds  
Region 3 has not experienced any recent disasters where disaster pass-through funding was allocated



**62,880**  
Participants



**45** Search and Rescue Missions

\*Based on Search and Rescue Financial Assistance Program Reports

Hosted **3**



Training Courses with 40 participants

**15**



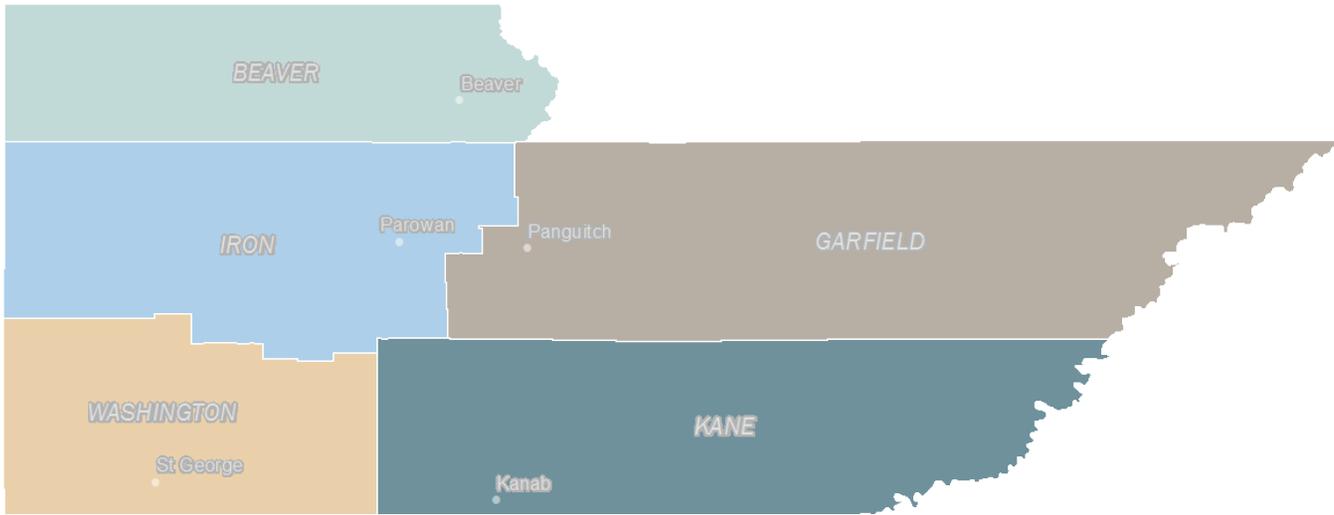
Exercises DEM participated in or evaluated

**18**

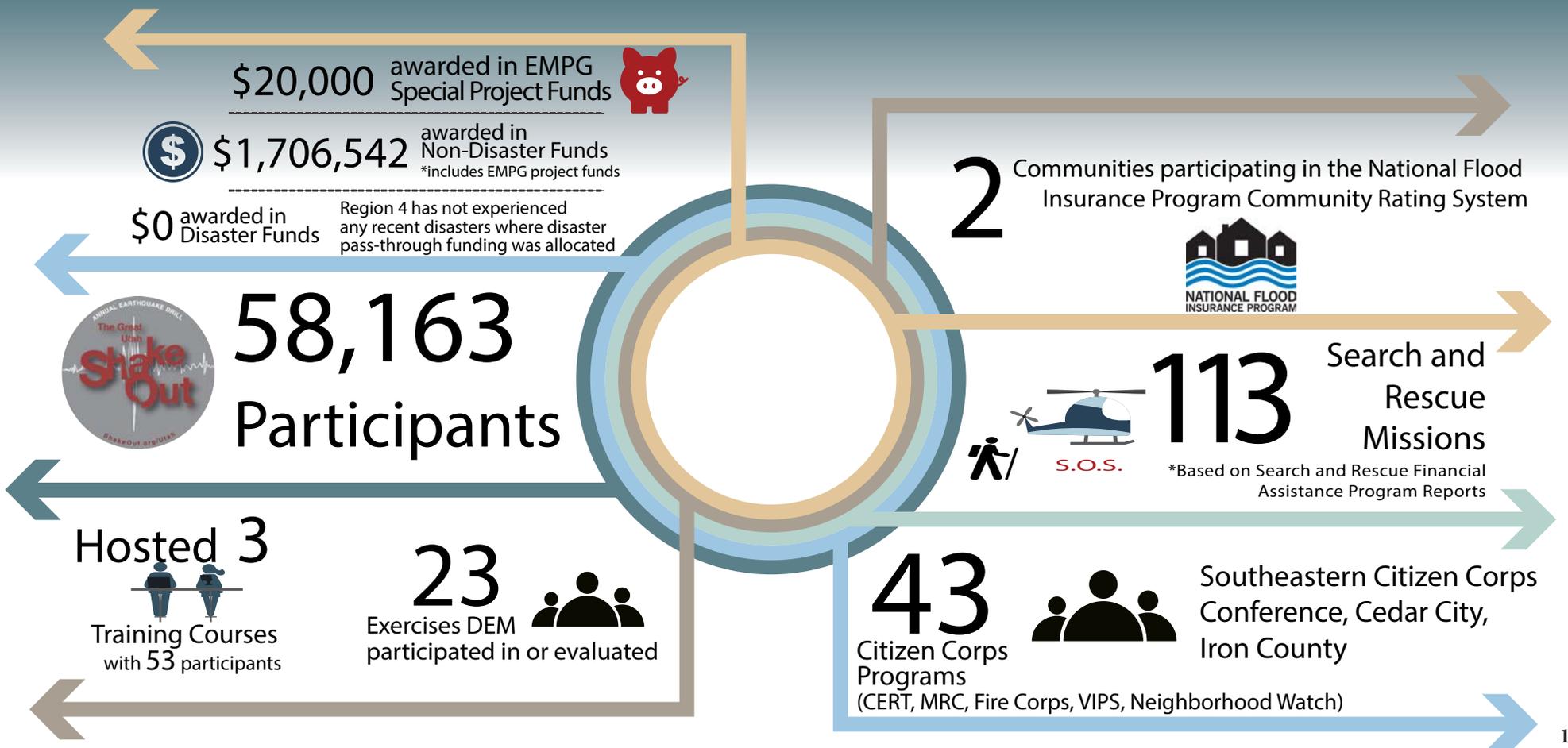


Citizen Corps Programs  
(CERT, MRC, Fire Corps, VIPS, Neighborhood Watch)

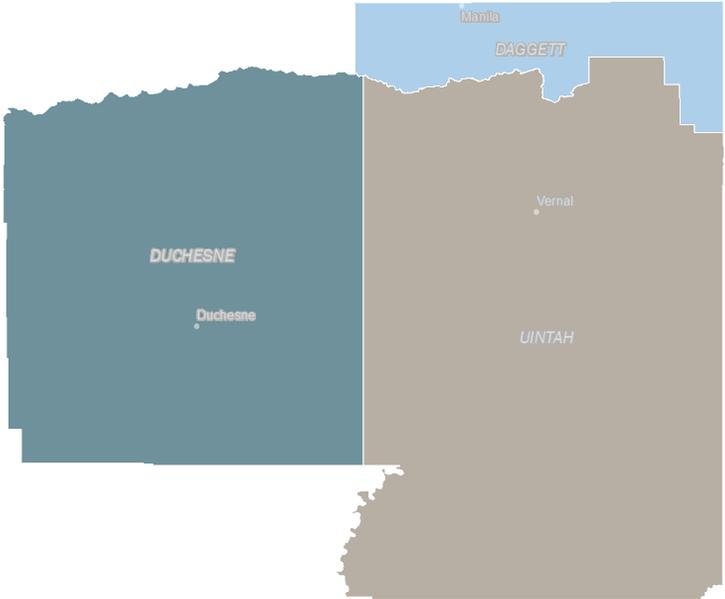
Central Utah Citizen Corps Conference



# REGION 4 Southwest Utah



# REGION 5 Northeastern



\$10,000 awarded in EMPG Special Project Funds 

\$458,410 awarded in Non-Disaster Funds  
\*includes EMPG project funds

\$0 awarded in Disaster Funds  
Region 5 has not experienced any recent disasters where disaster pass-through funding was allocated

 **5,030**  
Participants

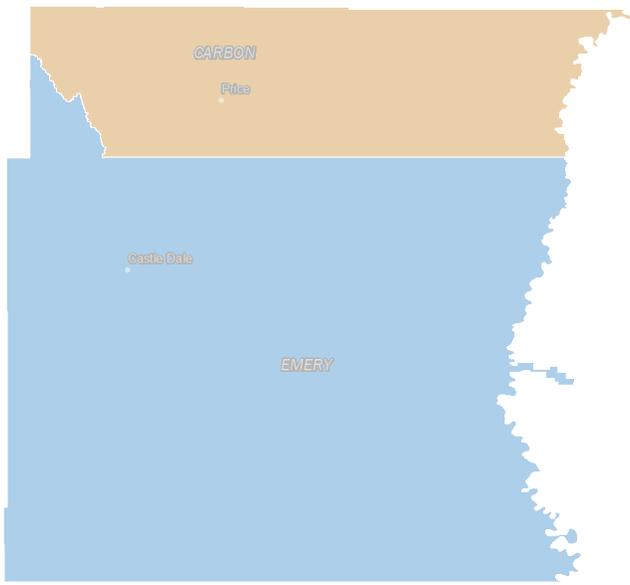
**6** Search and Rescue Missions

\*Based on Search and Rescue Financial Assistance Program Reports

Hosted **1**  
  
Training Courses with 11 participants

**7**  
Exercises DEM participated in or evaluated  
\*including 4 with the Ute Tribe 

**9** Citizen Corps Programs  
(CERT, MRC, Fire Corps, VIPS, Neighborhood Watch)   
Uintah Basin Citizen Corps Conference, Vernal, Uintah County



# 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



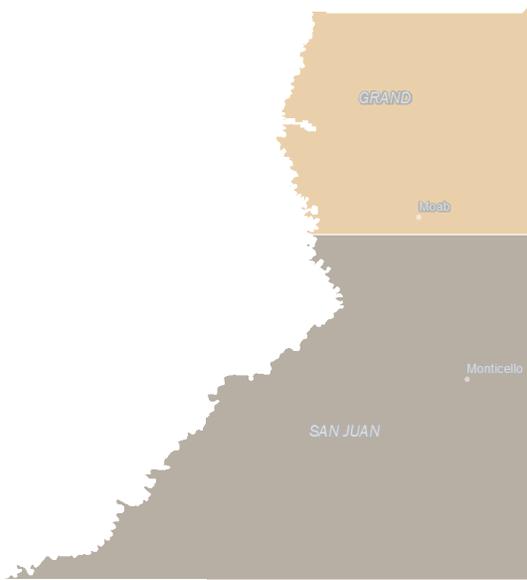
**3,318**  
Participants

**10** Search and Rescue Missions  
 **S.O.S.**  
\*Based on Search and Rescue Financial Assistance Program Reports

**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

# REGION 7 Four Corners



**\$5,000** awarded in EMPG Special Project Funds



**\$311,029** awarded in Non-Disaster Funds  
\*includes EMPG project funds

**\$0** awarded in Disaster Funds  
Region 7 has not experienced any recent disasters where disaster pass-through funding was allocated

**1** Community participates in the National Flood Insurance Program Community Rating System



**2,527**  
Participants



**174** Search and Rescue Missions

\*Based on Search and Rescue Financial Assistance Program Reports

**8** Exercises DEM participated in or evaluated



**4**

Citizen Corps Programs



Purchased a new preparedness trailer through Citizen Corps

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

# PARTNERS



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



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Division of Emergency Management  
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