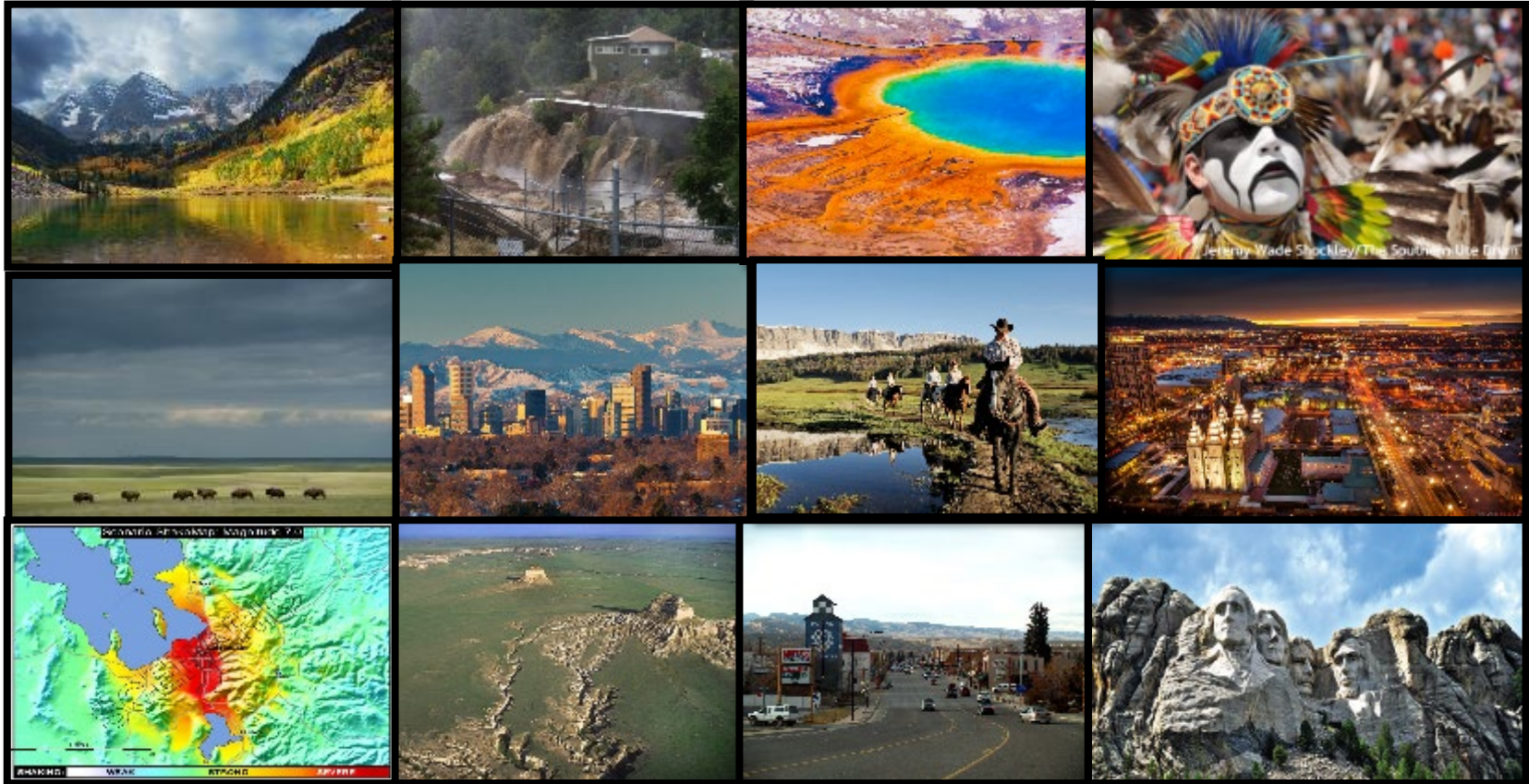




FEMA

Region VIII Planning Overview



Association of Continuity Professionals
January 17, 2020



FEMA

Federal Emergency Management Agency

Mission:

Helping people before, during and after disasters.





Strategic Plan

Helping People. Together.

FEMA Mission: Helping people before, during, and after disasters.

STRATEGIC GOALS

I. BUILD A CULTURE OF PREPAREDNESS



II. READY THE NATION FOR CATASTROPHIC DISASTERS



III. REDUCE THE COMPLEXITY OF FEMA



OBJECTIVES



1.1 Incentivize investments that reduce risk, including pre-disaster mitigation, and reduce disaster costs at all levels



1.2 Close the insurance gap



1.3 Help people prepare for disasters



1.4 Better learn from past disasters, improve continuously, and innovate



2.1 Organize the "BEST" (Build, Empower, Sustain, and Train) scalable and capable incident workforce



2.2 Enhance intergovernmental coordination through FEMA Integration Teams



2.3 Posture FEMA and the whole community to provide life-saving and life-sustaining commodities, equipment, and personnel from all available sources



2.4 Improve continuity and resilient communications capabilities



3.1 Streamline the disaster survivor and grantee experience



3.2 Mature the National Disaster Recovery Framework



3.3 Develop innovative systems and business processes that enable FEMA's employees to rapidly and effectively deliver the agency's mission



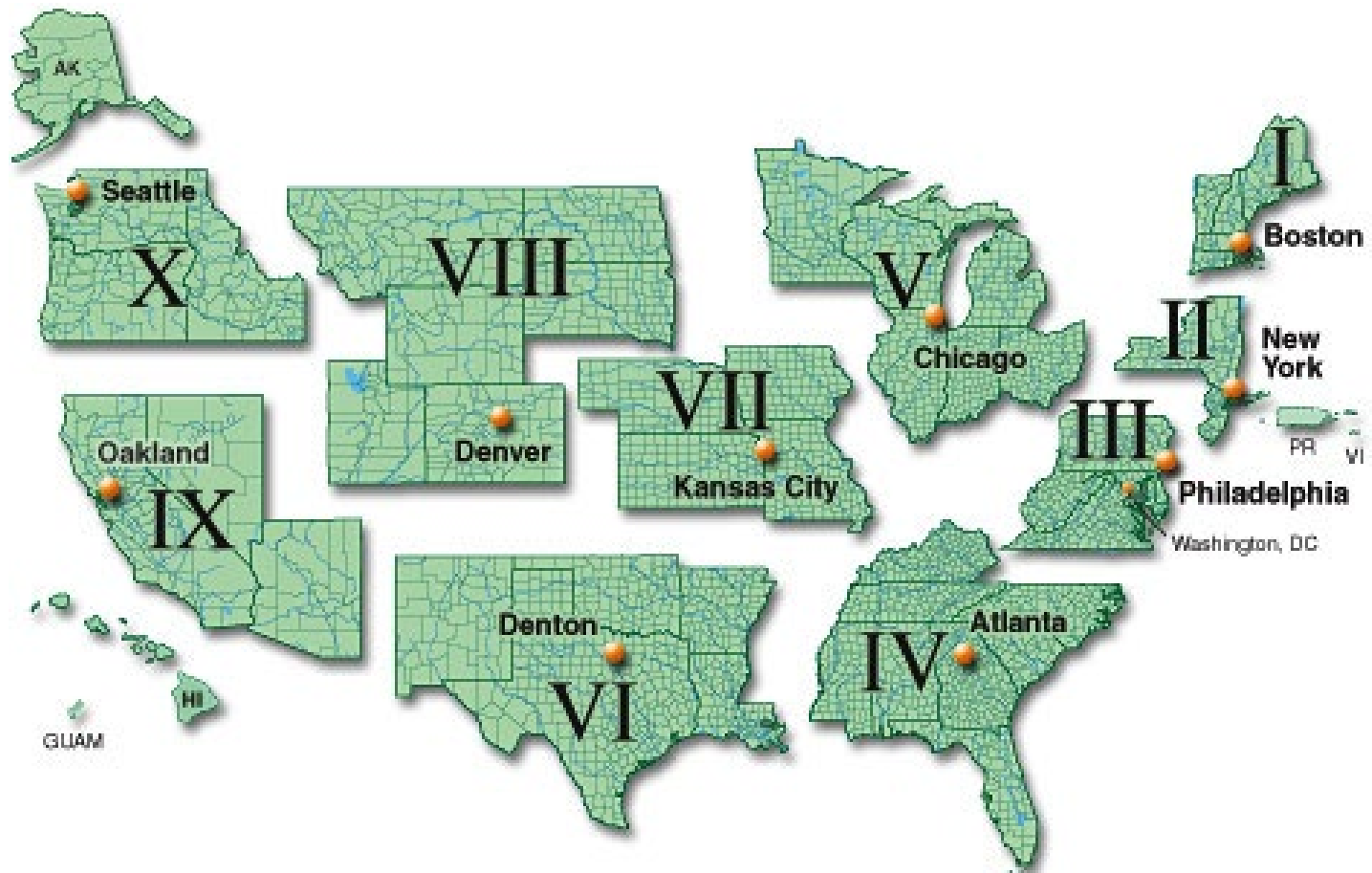
3.4 Strengthen grants management, increase transparency, and improve data analytics

FEMA Vision:
A prepared and resilient Nation.



FEMA

FEMA Regions



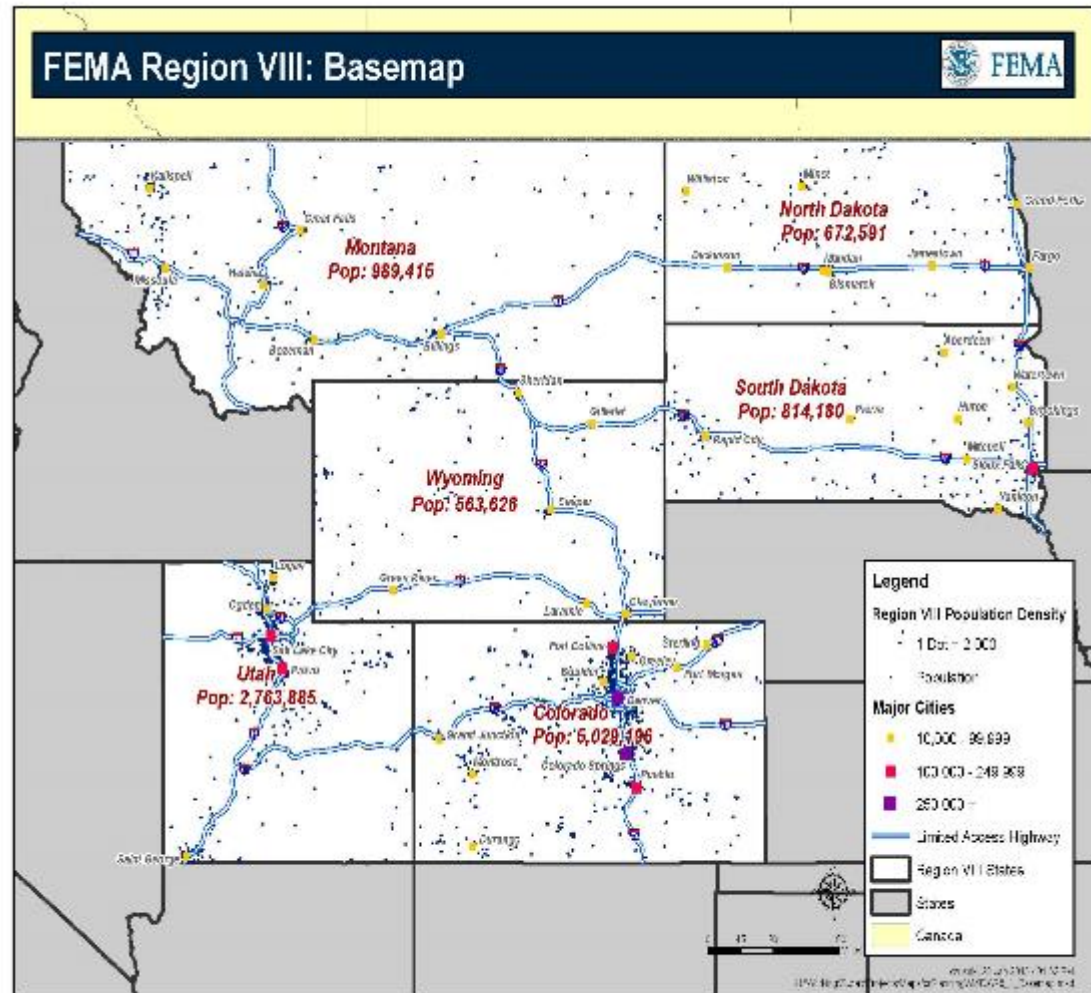
FEMA Region VIII Profile

Six States

Population: 12.15 M

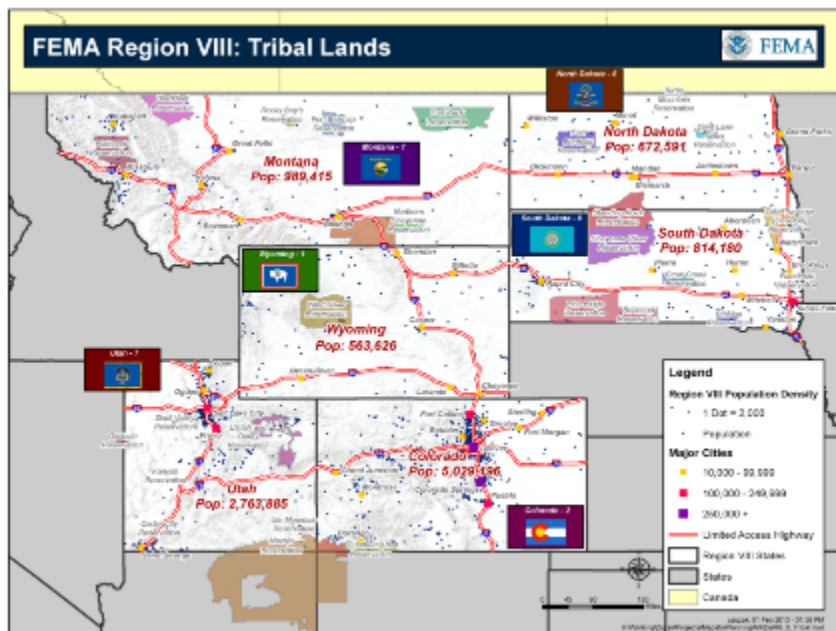
Area:
581,801 square miles

Most sparsely populated
region





Region VIII Profile - Tribal

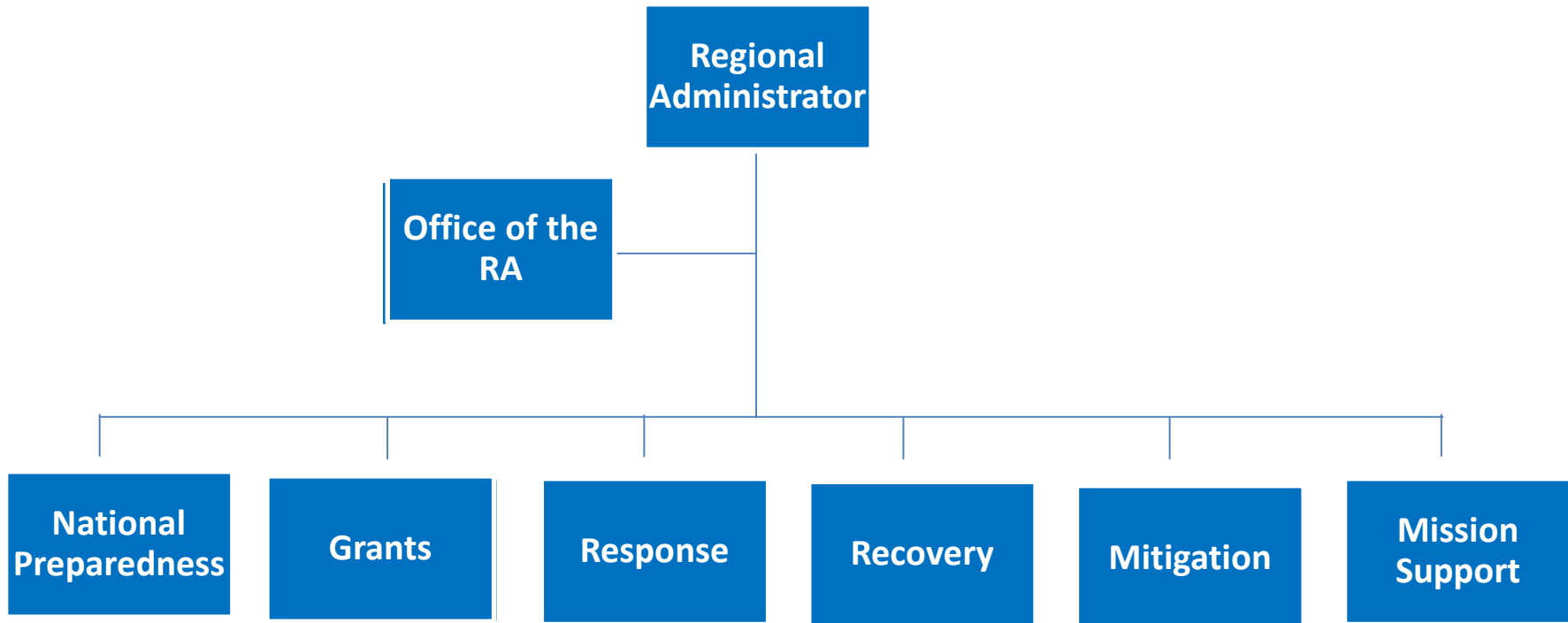


**29 Federally
recognized Tribes**

COLORADO		SOUTH DAKOTA	
Southern Ute	11,259	Cheyenne River Sioux	8,470
Ute Mountain Ute	1,687	Crow Creek Sioux	3,500
MONTANA		Flandreau Santee Sioux	726
Confederated Salish & Kootenai	6,800	Lower Brule Sioux	1,308
Blackfeet Nation	16,500	Oglala Sioux	46,855
Chippewa Cree	3,323	Rosebud Sioux	21,245
Crow	12,000	Sisseton-Whapeton Sioux	12,300
Blackfeet / Nakoda Nation	2,851	Yankton Sioux	11,594
Assiniboine & Sioux	11,786	UTAH	
Northern Cheyenne	10,050	Confederated Tribes of Goshute	673
NORTH DAKOTA		Paiute Indian Tribe of Utah	892
Spirit Lake Dakota Nation	6,677	Skull Valley Goshute	134
Standing Rock Sioux Tribe	15,568	Ute Tribe of Uintah & Ouray	19,182
Mandan, Hidatsa & Arikara	13,000	Northwest Shoshone Nation	12,300
Turtle Mountain Chippewa	8,331	WYOMING	
		Northern Arapaho Tribe	5,000
		Eastern Shoshone Tribe	2,605

* Information obtained from 2010 Census; numbers reflect projected increases for 2013.

FEMA Region VIII Organization



- Operations Branch
- Logistics Branch
- Incident Support Branch
- Incident Management Assistance Team
- **Planning Branch**



FEMA

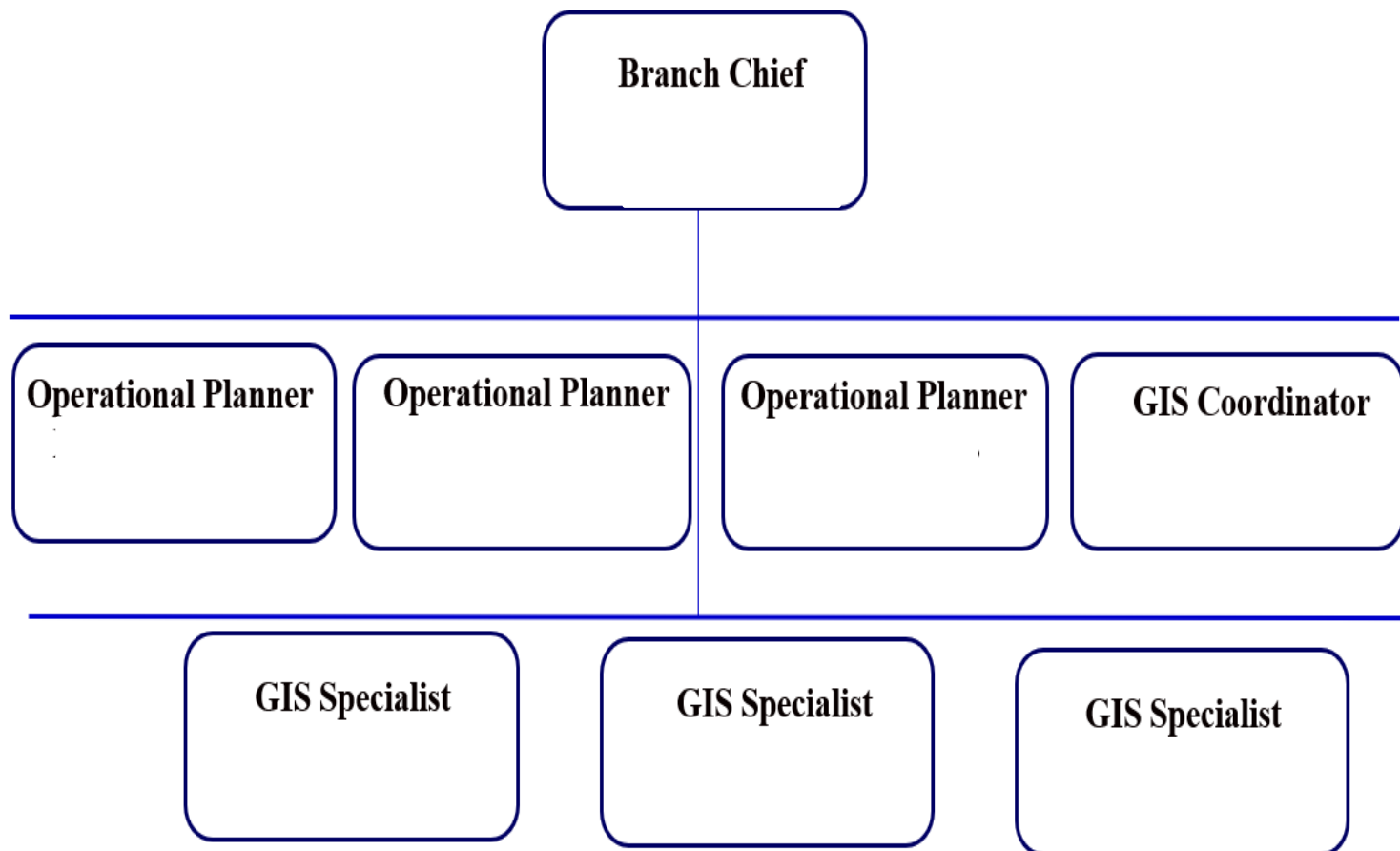
Response

- Liaisons / FEMA Integration Teams (FIT)
- Incident Management Assistance Team
- Mobile Emergency Response Support
- Urban Search & Rescue



- Regional Response Coordination Center
 - Emergency Support Functions
 - Defense Coordinating Element
- National Response Coordination Center

Region VIII Planning Branch



FEMA

+ Contract Support

FEMA 5 Year Plan

</

Factors for Selecting Planning Efforts

- Most probable Regional Threats and Hazards
- Events with high Regional consequences
- “Command Interest” events, i.e. Cyber attack
- State and Tribal input
- Regional Administrator direction



Regional Threats

❑ Information sourced from the Region VIII Threat and Hazard Identification and Risk Analysis (THIRA)

- Historic disaster occurrence
- Degree of human impact
- Mitigation modeling



Threats and Hazards of Concern
Natural Hazards
Flood
Winter Storm
Wildfire
Severe Summer Storm
Landslide/Mudslide
Human Pandemic
Drought
Tornado
Earthquake
Avalanche
Animal Disease
Space Weather
Technological
Dam Failure
Hazardous Materials Release
Biological/Chemical Food Contamination
Human-Caused
Armed Assault
Civil Unrest
Chemical/Biological/Radiological/Nuclear (CBRN) Attack
Cyber Infrastructure Attack
Cyber Data Attack

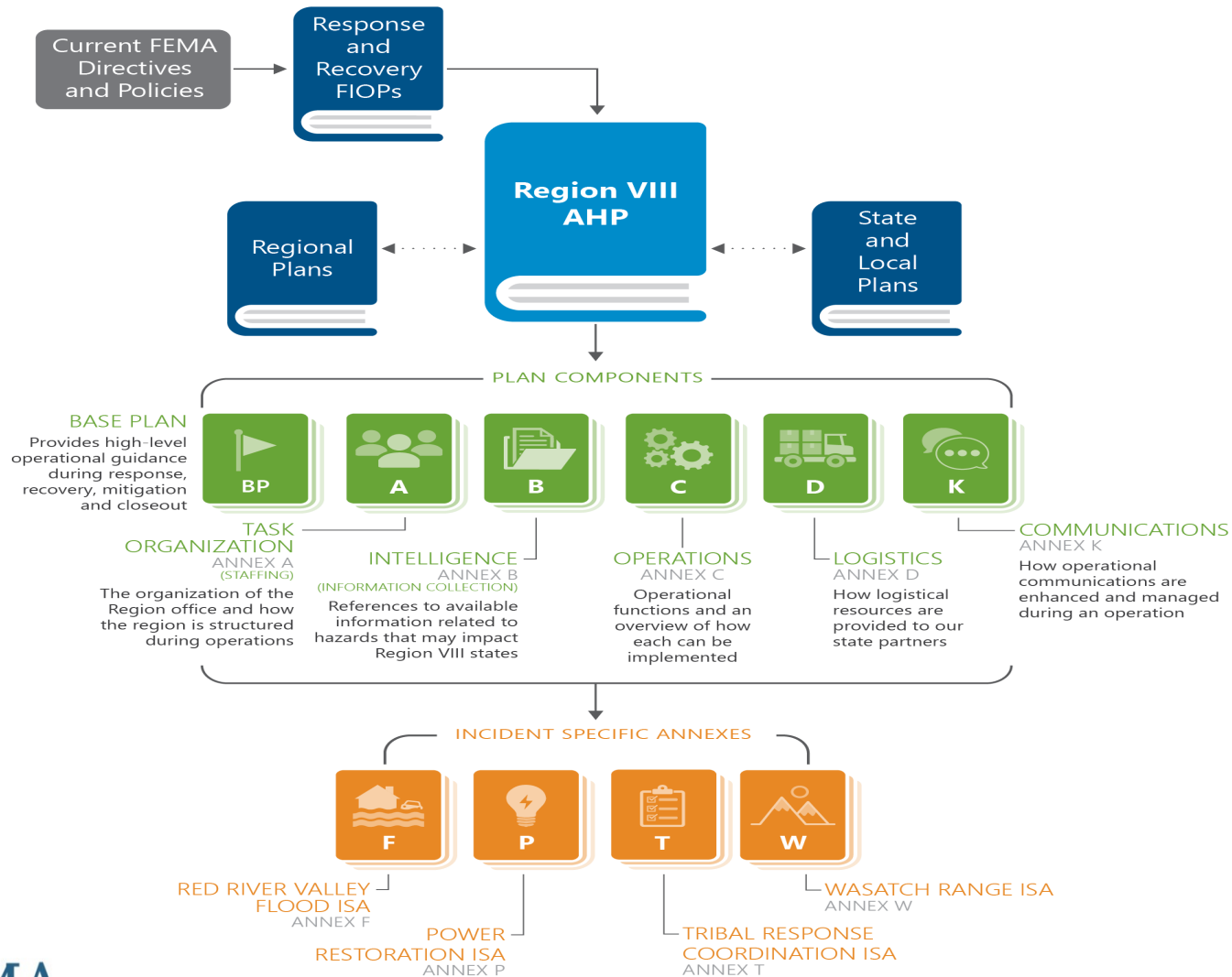
Potential Impacts This Winter and Spring

- Region begins monitoring potential impacts in Fall
 - Work with NWS on flood forecasts
 - GIS from review risks, flood history, mitigation measures
 - Work with USACE to analyze dam releases and technical assistance
- Unusually high streamflow, water levels, and abnormally wet soil suggest the **following potential impacts** for the upcoming winter and spring seasons:
 - Rivers freezing above flood stage
 - Freezing of overland flooding
 - Widespread ice jams, including on some rivers that are not usually affected by ice jams
 - Widespread record flooding this Spring

FEMA Region VIII 5 Year Plan

	Ongoing	FY 18				FY 19				FY 20				FY 21				FY 22			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
HQ								Federal Interagency Operational Plan				National Radiological Attack/Accident update to NIRA									
										National Incident Annex Based on SNRA											
						National Cross-Sector Coordination and Support				National Chemical Attack update to Oil/Chem											
						National Response Framework															
						National Security Emergency Plan															
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Region 8	Wasatch Earthquake Plan					All Hazards Plan (Est. Completion 09/15)															
						Power Outage								Wasatch				Wildfire Annex			
						Tribal															
NATIONAL / NSSE		NORTHCOM		Power Outage		Food/Agriculture		Hurricane / Typhoon		Oil/Chem		Biological		Wildfire							
Tribal		Nuclear/Radiological		Infectious Disease		ALL HAZARDS PLANS (AOP)		EARTHQUAKE		FLOOD		Volcano		Cyber							

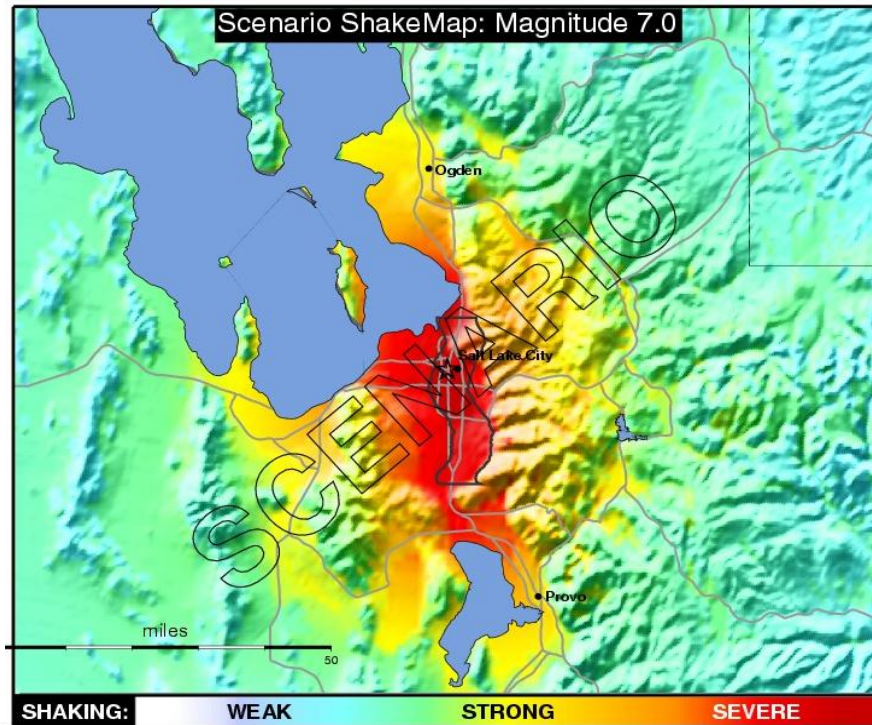
Region VIII Family of Plans



Wasatch 2021 FEMA Planning Integration



Planning Scenario



M 7.0, Salt Lake City Segment Scenario

Origin Time: Mon 2004-05-24 16:51:19 UTC
Location: 40.76°N 111.83°W Depth: 15 km

FAGER
Version 1

Created: 5 years, 5 months after earthquake

Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)	--*	--*	13k*	130k*	416k	336k	163k	1,109k	0
ESTIMATED MODIFIED MERCALLI INTENSITY	I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

7.0 M earthquake on Salt Lake Segment of Wasatch Fault in December at 2:00 PM

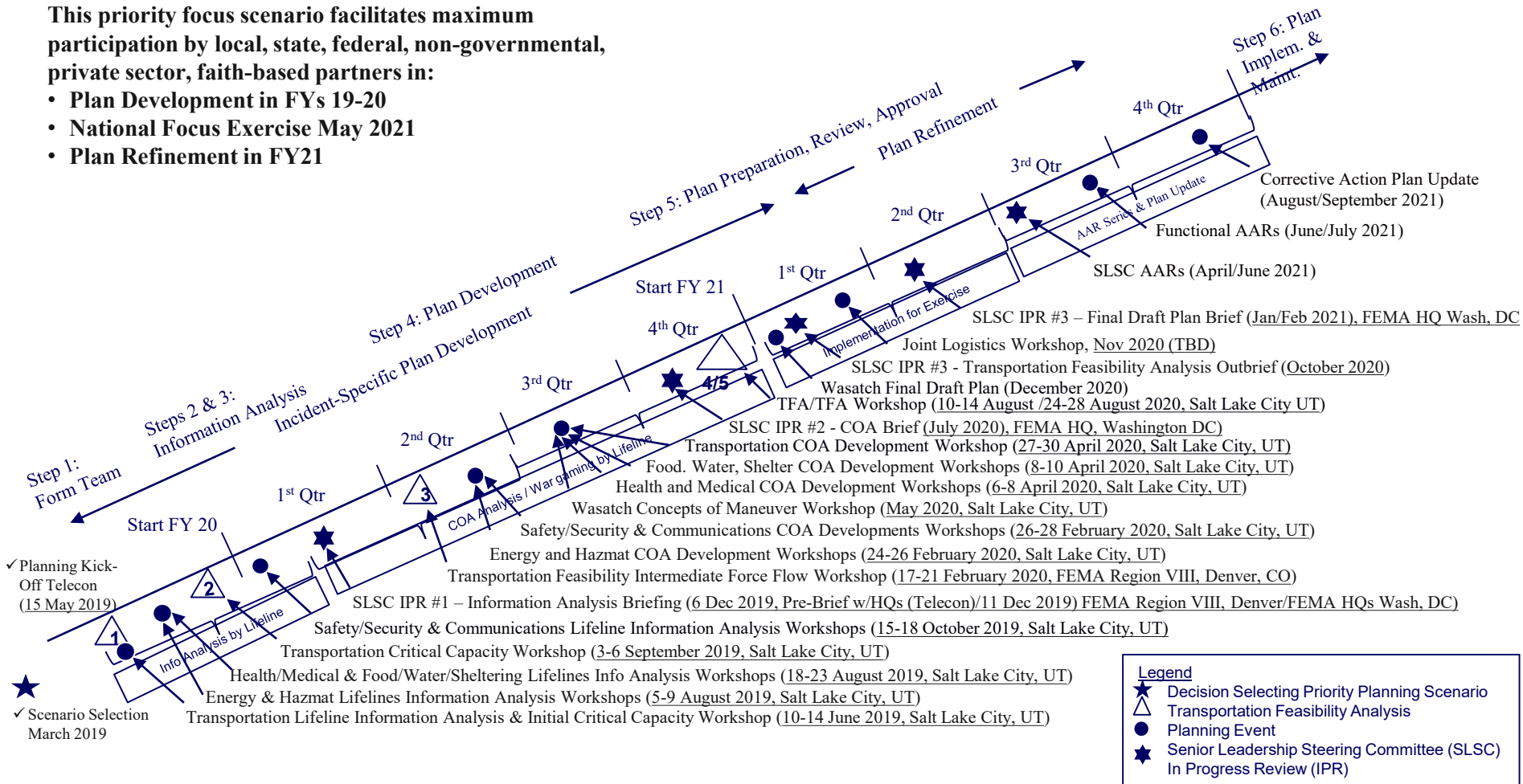
- Affects 80% of the population of Utah
- 3,123 Fatalities (▲621)
- Injured:
 - 11,207 require hospitalization (▲1,791)
 - 30,508 with minor injuries (▲2,984)
- Displaced Population:
 - 88,912 households displaced (▲2,580)
 - 54,798 people seek temporary shelter in public shelters (▲937)
- 60,663 buildings damaged beyond repair (▲4,421)
- 331 bridges heavily damaged (▲191)
- 349K households without potable water on day 1 (▼30K); 339K on day 90 (▲52K)
- 248K households without power on day 1 (▼128K); 15K on day 30 (▼1K)
- 30 million tons of debris generated (▲9M); 1.2 million truckloads @ 25 tons/truck (▲369K)
- Economic impact (building/infrastructure): \$52.32B (▲\$19B)

(increase ▲ or decrease ▼ from 2012)

Wasatch Range Catastrophic Earthquake Response Planning Timeline

This priority focus scenario facilitates maximum participation by local, state, federal, non-governmental, private sector, faith-based partners in:

- **Plan Development in FYs 19-20**
- **National Focus Exercise May 2021**
- **Plan Refinement in FY21**



As of: 12 December 2019

Leadership Direction

- 2017/18 Hurricane Seasons provided an opportunities to revisit response and restoration prioritization
- The new NRF prescribes unity of effort through stabilization of community lifelines
 - The rapid stabilization of lifelines is the organizing principle of the doctrine
 - Adds ESF 14, Private Sector Coordination

Community Lifelines

COMPONENTS of Lifelines



Safety and Security



Law Enforcement/Security



Fire Services



Search and Rescue



Government Services



Community Safety



Food, Water, Shelter



Food



Water



Shelter



Agriculture



Health and Medical



Medical Care



Patient Movement



Public Health



Fatality Management



Medical Supply Chain



Energy (Power & Fuel)



Power (Grid)



Fuel



Communications



Infrastructure



Alerts, Warnings, and Messages



911 and Dispatch



Responder Communications



Finance



Transportation



Highway/Roadway



Mass Transit



Railway



Aviation



Maritime



Hazardous Materials



Facilities



HAZMAT, Pollutants, Contaminants

How will lifelines be used?

- Enhance the ability to gain, maintain, and communicate situational awareness for the whole community in responding to disasters
- Analyze impacts to the various lifelines and develop priority focus areas for each operational period during response
- Identify and communicate complex interdependencies to identify major limiting factors hindering stabilization
- National Response Framework updated to reflect use of lifelines in response planning

Lifelines Impact Summary

Lifeline Systems Analysis for Wasatch Fault



HEALTH AND
MEDICAL



FOOD, WATER,
SHELTERING



TRANSPORTATION



COMMUNICATIONS



ENERGY
(POWER & FUEL)



SAFETY AND
SECURITY



HAZARDOUS
WASTE

CASUALTIES & INJURIES¹

- **Fatal (Level 4):** 3,123
- **Life threatening (L3):** 1,800
- **Serious (L2):** 9,582
- **Minor (L1):** 30,508
- L2-3 require hospitalization
- **Salt Lake County:** >90% all casualties & injuries

MEDICAL FACILITIES

- 65% of 46 total facilities expected to be damaged²
- 12 facilities extensively or completely damaged & expected nonoperational²
- ~21% (1,318) beds lost out of 6,269 total beds²
- Typically 80% beds filled³
- Operating on emergency diesel generator power²
- Numerous utility outages
- All Level I Trauma Centers in Salt Lake County are impacted¹
- Nearest operable Level II/III Centers are in Cache, Utah & Weber Counties¹

SHELTERING & FEEDING¹

- 88,912 displaced households
- 54,798 seeking shelter
- 25,000 tourists & 25,000 visitors are expected in Salt Lake County
- **Salt Lake County:** 94% of displaced / seeking shelter

WATER SERVICE

- 348,520 households are expected to be without water service; 88% in Salt Lake County & 12% Davis¹
- 32 of 48 water and wastewater treatment facilities impacted²
- Restoration times for water treatment facilities within Salt Lake County range from 7 to 90 days²

WASTEWATER²

- 32 of 48 water and wastewater treatment facilities impacted

ROAD²

- ~38% of roads & 20% of road bridges will be extensively damaged
- Major transportation routes within the impact region will be unusable
- Transportation across the Jordan River will likely be impossible in Salt Lake City and limited to the southwest portion of the mid-Salt Lake Valley area

AIR²

- SLC Airport likely to suffer moderate damage to structures & fuel tanks.
- SLC operations disrupted for weeks to months

RAIL²

- Significant damage to the rail system between Provo & Ogden near Salt Lake City is expected

COMMUNICATIONS²

- >438,000 households will likely be without wireline, cellular & Internet service
- Cellular towers and base stations will begin to fail within 4 to 8 hours from initial power disruption
- 19 wireline wire centers will be inoperable due to damaged facilities/ equipment or damage to fiber optic cables
- Broadcast services, including the statewide Emergency Alert System may be disrupted
- Electric power outages may impact the Communications Sector & slow restoration
- Communication issues will slow response & recovery efforts across all Lifelines

POWER

- Outages expected to impact 1,635,800 people across 10 counties²
- 247,846 households without power on Day 1¹
- Power restoration would require up to 9 days²
- Cascading effects likely to cripple activity in the area, affecting all other Lifelines efforts²

PETROLEUM²

- Gas stations expected to be inoperable until power restored & tanks repaired
- Fuel will need to be brought in by road or rail
- Regional refinery disruption up to 6 months

NATURAL GAS²

- Widespread service disruptions during repairs
- Disrupted lines increase the possibility of fires

POLICE STATION DAMAGE²

- **Complete:** 13 of 104
- **Extensive:** 16 of 104

FIRE STATION DAMAGE²

- **Complete:** 20 of 208
- **Extensive:** 27 of 208
- Numerous fires following the earthquake event are expected due to pipeline & electrical grid damage

GOVERNMENT¹

- **Complete:** 225 of 1,815
- **Extensive:** 183 of 1,815
- ~23% of government buildings extensively or completely damaged

DAMS²

- No dam and water control features are expected to experience damage levels reaching the extensive or complete damage states

HAZMAT

- Significant health and environmental impacts are possible via ruptures
- Earthquake direct effects are expected to impact 16 of 22 chemical facilities located in the area
- Two facilities are expected to receive extensive damage
- One of the extensively damaged facilities has 150 tanks totaling 500,000 gallons liquid capacity

SOURCES: ¹FEMA Region 8 Wasatch Hazus Analysis (2018), ²DHS OCIA Analytical Baseline Study for a Salt Lake City Earthquake (2014)

Updated 09/06/2019

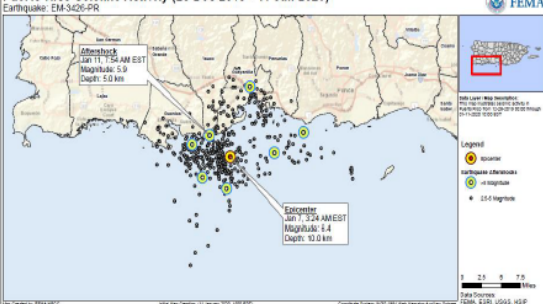
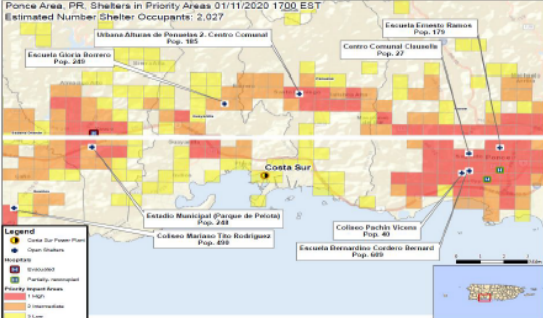


Senior Leadership Brief Puerto Rico Earthquake January 12, 2020 6:00 a.m. EST



Current Situation

Summary Overview: USGS current forecast indicates there is a 68% probability of a Magnitude 5 earthquake in the next 7 days, as is to be expected as part of the seismic sequence since December 28. This message is being amplified to both survivors and responders. Although there was some degradation to the power distribution in the most impacted area, power generation continues to increase across the territory, including reserve capacity. Requests for assistance have been received from PR for capabilities to support the survivor base camps currently under construction and actions are underway to meet the requests by the expected delivery date. Governor Vazquez has signed the FEMA-State Agreement and submitted her request for a Major Declaration for both Public and Individual Assistance. All Lifeline assessments continue to improve. Declarations: PR Governor declared a state of emergency for all of Puerto Rico on January 7; Emergency Declaration (FEMA-EM-3426) approved on January 7 for Category B limited to Direct Federal Assistance, under the Public Assistance program at 75% federal funding for all 78 municipalities in Puerto Rico (FEMA Ops Briefing, January 8, 2020, 8:30 a.m. EST); Governor Vazquez requested a major disaster declaration for Individual Assistance for the municipalities of Guánica, Guayanilla, Penuelas, Ponce, Utuado, and Yauco; Public Assistance, including direct federal assistance for the municipalities of Guánica, Guayanilla, Penuelas, Ponce, San German, and Yauco; and Hazard Mitigation for the entire commonwealth (FEMA Declarations Update, January 11, 2020, 3:36 p.m. EST)

Lifelines: Impacts and Actions	
Safety and Security PR [GR]	<p>Safety and Security Lifeline remains green; there are no shortfalls reported to law enforcement, fire, search and rescue, or community safety</p> <ul style="list-style-type: none">Public schools closed until January 13; universities closed (Region II Update, January 8, 2020, 12:00 p.m. EST)Infrastructure Assessment Team Members conducted assessments of all Nine fire stations, PREMB Resource Staging Area, and FEMA Branch Office IV Building; (ESF-3 Update, January 11, 2020, 5:54 p.m. EST)Incident Support Team (IST) and Quick Response Team (QRT) in place in San Juan (ESF-13 Update, January 11, 2020, 11:53 a.m. EST)One NIMS Type 3 US&R task force (FL-TF2) fully operational; teams staying in place due to continuing threat of aftershocks (ESF-9 Update, January 11, 2020, 10:21 a.m.)
Food, Water, Shelter PR [YW]	<p>Food, Water, Shelter Lifeline remains yellow; there are no shortfalls reported in access to food, water, or shelter; some shelter populations were evacuated and moved to other shelter locations following yesterday's aftershock, and planning continues for establishing nine survivor basecamps; long term options being planned</p> <ul style="list-style-type: none">20 shelters open; 4208 (+725) total occupants (Red Cross Update, January 12, 2020, 5:17 a.m. EST)ESF 6 planning assumption 7,500 population traditional and non-traditional sheltering (ESF-6 Update, January 11, 2020, 9:56 a.m. EST)PREMB to coordinate National Guard, PR VOADs, NGO assessing need for 9 survivor base camps: (1) Guánica, (3) Yauco, (1) Penuelas, (1) Guayanilla, and (3) Ponce; ESF-6 working to confirm PREMB plans (ESF-6 Update, January 11, 2020, 10:28 a.m. EST)Shelter (Estadio Arquero Torres) in San German evacuated 96 shelterees, shelterees are in process of being re-located (FEMA Region II Update, January 11, 2020, 5:15 p.m.)AirBnB activated Open Homes Program in PR; hosts offering no cost accommodations, outside impact areas, for survivors and first responders until January 31 (INBOC Update, January 11, 8:49 a.m. EST)One EPA SME deployed to PR IOF supporting water service mission (EPA Update, January 11, 2020, 1:28 p.m. EST)71,204 clients, approximately 5.79% without drinking water service (Region II Update, January 11, 2020, 3:54 p.m. EST)851,312 liters water ordered by Puerto Rico; 519,756 liters shipped and 149,844 liters water delivered to Ponce Region Staging Area (RSA); full delivery expected evening January 11 (ESF-7 Update, January 10, 2020, 9:41 a.m. EST)84,672 meals ordered by Puerto Rico; of order: 55,296 meals shipped and 4,032 meals delivered to Ponce Region Staging Area (RSA); full delivery expected evening January 11 (ESF-7 Update, January 10, 2020, 9:41 a.m. EST)
Health and Medical PR [GR]	<p>Health and Medical Lifeline remains green; there are no significant impacts to survivor access to medical care; one hospital remains closed; multiple hospitals remaining on generator power; federal medical teams in place supporting Medical Shelter Task Force and other missions as required</p> <ul style="list-style-type: none">Puerto Rico Department of Health (PRDOH) reports Department of Family moved 20 patients from nursing home evacuated in Yauco to another nursing home in Guayama. No unmet needs (ESF-8 Update, January 11, 2020, 3:43 p.m. EST)1 hospital remains closed due to aftershock concerns; 2 dialysis centers remain closed pending structural assessments (ESF-8 Update, January 11, 2020, 1:13 p.m. EST)Eight of 10 members of Medical Assessment Team arrived in Caguas January 10 to support PR Medical Shelter Task Force; remaining two members scheduled to arrive January 11 (ESF-8 Update, January 11, 2020, 9:20 a.m. EST)
Key Updates	<p>Puerto Rico Seismic Activity (28 Dec 2019 - 11 Jan 2020) Earthquake 134-3625-PR</p>  <p>Ponce Area, PR, Shelters in Priority Areas 01/11/2020 1700 EST (Estimated Number) Shelter Occupants: 2,027</p>  <p>FEMA HQ: NRCC Level II Day, transitioning to ROC January 12 (NRCC Update, January 11, 2020, 5:19 p.m. EST); Established two Task Forces (TF): Structural Assessment TF (FEMA OpOrd 04-2020, January 8, 2020, 12:34 p.m. EST) and Power Restoration TF (FEMA OpOrd 06-2020, January 8, 2020, 7:20 p.m. EST); personnel mobilization center in Orlando, FL open (FEMA Daily Ops Briefing, January 11, 2020, 8:30 a.m. EST)</p> <p>FEMA REGION II: Level II (Day Shift), RWC Enhanced Watch (Night Shift) (FEMA Daily Ops Briefing, January 11, 2020, 8:30 a.m. EST)</p> <p>IMATS: 162 PR National Guard activated (INGB Update, January 11, 2020, 8:32 a.m. EST); 14 Defense Coordinating Elements (DCE) support at Caguas; and two DCE at Santa Isabel, San Juan (DOD Force Laydown, January 11, 2020, 7:05 a.m. EST); Dual Status Commander Request approved and staged in PR (INGB Update, January 11, 2020, 9:11 a.m. EST); aerial imagery camera in route for Monday January 13; ground photo team and UAS team of 7 in route (DOD Update, January 10, 2020, 1:43 p.m. EST)</p> <p>EMAC: Requests with CA and NY for building inspection, debris removal and management, EMS, Engineering and Logistics Support and Shelter Management Task Forces (IN-IMAT SLB 5L6, January 10, 2020, 12:00 p.m. EST); CA will begin building inspections today (FEMA Daily Ops Briefing, January 11, 2020, 8:30 a.m. EST)</p>
Energy PR [YW]	<p>Energy Lifeline remains yellow; capabilities continue to improve; rolling blackouts may continue and potential remains for outages due to aftershocks</p> <ul style="list-style-type: none">PREPA estimates reaching 100% power generation restoration to normal load demand by January 12, this estimate is contingent on bringing all available generation assets online, including renewables, and would leave minimal reserve margin. Near full restoration with minimal reserve margin means that the electrical system would be operating in a relatively fragile state (ESF-12 Update, January 11, 2020, 12:21 p.m. EST)EcoElectrica 580 MW Offline. Start-up process has been initiated but ongoing aftershocks in the region could hinder efforts to get the plant back online (ESF-12 Update, January 11, 2020, 1:45 p.m. EST)All generation stayed online after the January 11 5.9 earthquake; distribution feeders, transformers, and transmission lines in Lares, Adjuntas, Ponce, and San German were impacted, resulting in partial loss of power (ESF-12 Update, January 11, 2020, 11:00 a.m. EST)PREPA states 2,000 MW capability are online, about 83% of normal load (ESF-12 Update, January 11, 2020, 11:00 a.m. EST)ESF-12 currently conducting assessments of the impacted areas of Adjuntas, Ponce, and San German; no ETA at this time (ESF-12 Update, January 11, 2020, 11:00 a.m. EST)Several generation units and two transformers at Costa Sur reportedly damaged, inspections delayed; EcoElectrica (580MW) plant remains offline; repairs underway, expecting to restart on January 12 or 13 (ESF-12 Update, January 11, 2020, 12:21 p.m. EST)San Juan (784MW) power plant Units 5, 8, and 9 are under repair with expected startup by January 15 (ESF-12 Update, January 11, 2020, 1:45 p.m. EST)USACE Temporary Emergency Power Team and 249th Prime Power Engineer Battalion at Ponce; assessment at FEMA Branch IV office completed (ESF-3 Update, January 11, 2020, 2:08 p.m. EST)
Communications PR [GR]	<p>Communications Lifeline remains green; communications are primarily stable and most current outages are due to power distribution to cell towers</p> <ul style="list-style-type: none">DIRS reporting 95.68% cell sites online (ESF-2 SitRep, January 11, 2020, 10:08 a.m. EST)Coordination with Immigration and Customs Enforcement (ICE) primary provider of Federal ESF-13/law enforcement Land Mobile Radio (LMR) for refuel plan support (ESF-2 SitRep, January 11, 2020, 10:18 a.m. EST)
Transportation PR [GR]	<p>Transportation Lifeline remains green; alternate routes available to bypass damaged roads; ports remain open and able to support operations</p> <ul style="list-style-type: none">Multiple highways and roadways closed (Guánica, Ponce, Penuelas, Guayanilla, and Adjuntas) due to rockslides and landslides; emergency repairs and route clearance underway; alternate routes open (ESF-1 Update, January 11, 2020, 2:15 p.m. EST)1 ESF-1 personnel in transit, 2 deployed supporting Ponce IMAT teams with damage assessments (ESF-1 Update, January 11, 2020, 2:15 p.m. EST)PR National Guard assisting with infrastructure assessment and 4 route clearance operations (INGB Update, January 11, 2020, 8:29 a.m. EST)
HAZMAT PR [GR]	<p>Hazardous Materials Lifeline remains green; there are no shortfalls or limiting factors</p>

Lifeline Centric Line of Effort

<Plan Release Date (Month Day, Year)>

FEMA RVIII All-Hazards Plan – DRAFT
Appendix C-2-11: Health and Medical – Patient Movement

Tab 11 to Appendix C-2: Health and Medical – Patient Movement

Purpose: Safely move all disaster casualties to appropriate healthcare facilities.



Operational Assessment			
Obj #	Intermediate Objective	Key Indicator(s)	Source(s) of Indicator
11.1	Assess patient movement requirements for regular EMS and disaster-related patient movement.	•	• ESF 8
11.2	Determine needs for outside transport assets.	•	• ESF 8
11.3	Execute patient movement.	<ul style="list-style-type: none"> • All patients requiring transport of evacuation have been transported/evacuated. • All patients have been tracked to a destination and are accounted for. 	• ESF 8
11.4	Stop out of area transports and conduct patient return.	<ul style="list-style-type: none"> • Patients still requiring medical care have a care plan established and/or have re-entered their prior care area. 	• ESF 8
11.5	Demobilize medical transportation resources.	<ul style="list-style-type: none"> • All equipment, supplies, and personnel have been demobilized. 	• ESF 8

Critical Considerations	
<ul style="list-style-type: none"> • Pre-disaster activities develop updated planning factors that highlight gaps. • Coordinate with Air Movement Wing on fixed and rotor wing medical transportation. • Coordinate with SLTT to supplement the MOU/MOAs with the National Ambulance Contract and the potential for joint staging and transportation management. • 	

Lifeline Centric Line of Effort

FEMA RVIII All-Hazards Plan – DRAFT
Appendix C-2-11: Health and Medical – Patient Movement

<Plan Release Date (Month Day, Year)>

Organizational Roles & Responsibilities		
Organization (ESF/RSF/OFA)	Roles and Responsibilities	Core Capabilities
EA	Communicate necessary information.	
FEMA	National contracting of ambulances and EMS.	
FEMA Log	Potentially assist with large scale patient movement.	
HHS	Administration and prioritization of patient movement.	
NDMS	Manage other states and hospitals providing care.	
NDMS-DOD	Air traffic and airframe lift capacity.	
NDMS-HHS	Lead and coordinate with state.	
NDMS-VA	Reception and sorting of impacted area.	
NOAA/NWS	Communicate potential weather/water impacts to patient movement.	

Resources				
Resource ID	Resource/ Team	Dept./ Agency	Capability Summary	# of Teams
	NOAA/NWS	NOAA/NWS	Onsite or remote weather support	
	National Ambulance Contract	FEMA/HHS		
	Air support and EMS resources	DOD		
	JPAT	HHS	Patient tracking (joint patient assessment team)	
	VA FCC	VA		
	SAT		Service Access Team	
	GPMR Center		Global Patient Movement Requirement Center	
	Patient repatriation teams			
	Patient Movement Strike Team			
	Air ambulance		Fixed- and rotary-wing	
	Commercial aircraft			
	HAvBED system	NDMS	Hospital Available Beds for Emergencies and Disasters	
	Aeromedical resources	NDMS		

PSMA		
PSMA ID	PSMA Title	Type
HHS PSMA ESF 8 – 180	Patient Tracking: Joint Patient Assessment Tracking System (JPATS) Team	DFA
HHS PSMA ESF 8 – 254	NDMS Patient Evacuation Support	DFA
DOD PSMA ESF 8 – 74	Patient Movement Enablers	DFA

Lifeline Centric Line of Effort

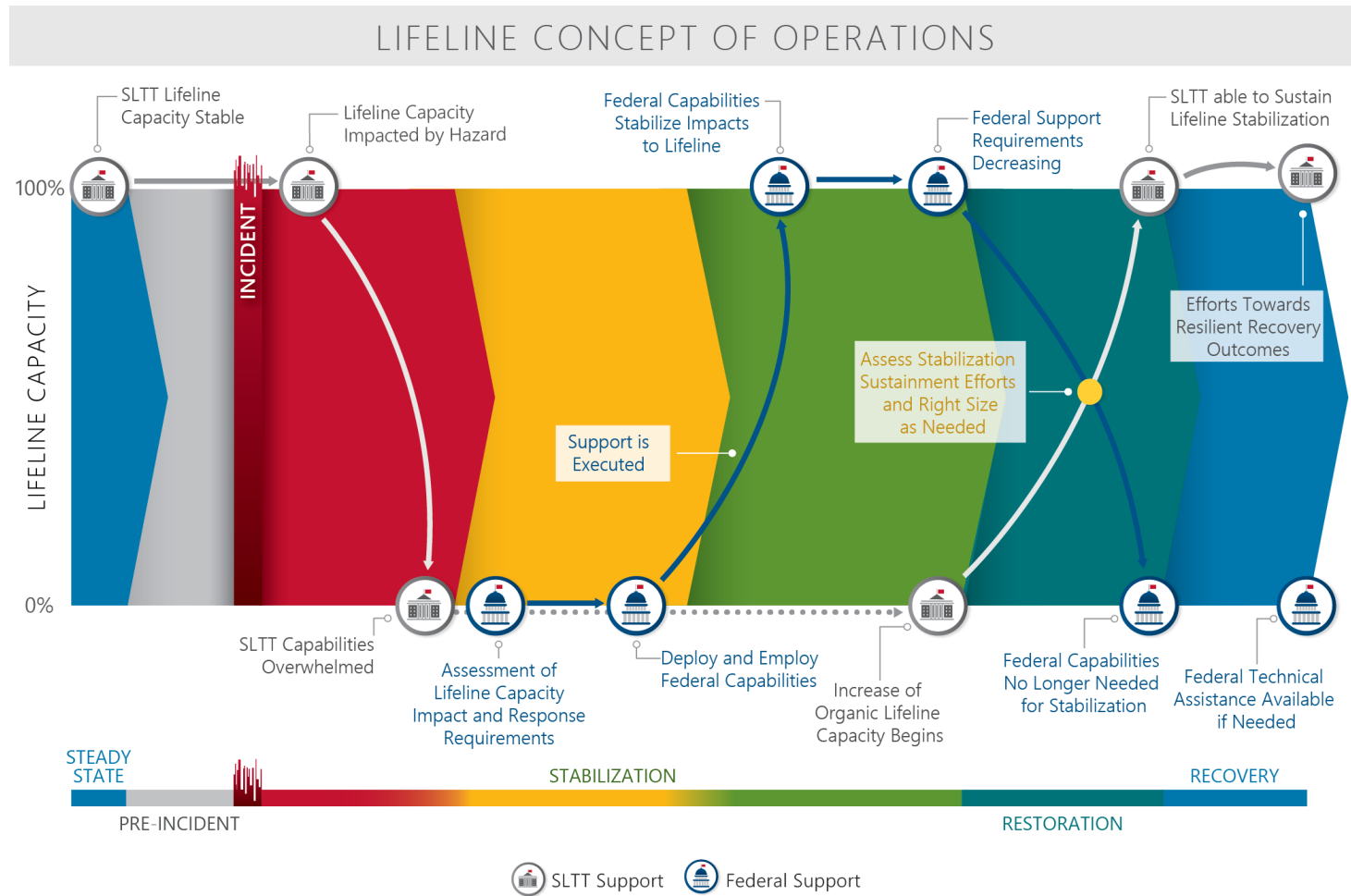
<Plan Release Date (Month Day, Year)>

FEMA RVIII All-Hazards Plan – DRAFT
Appendix C-2-11: Health and Medical – Patient Movement

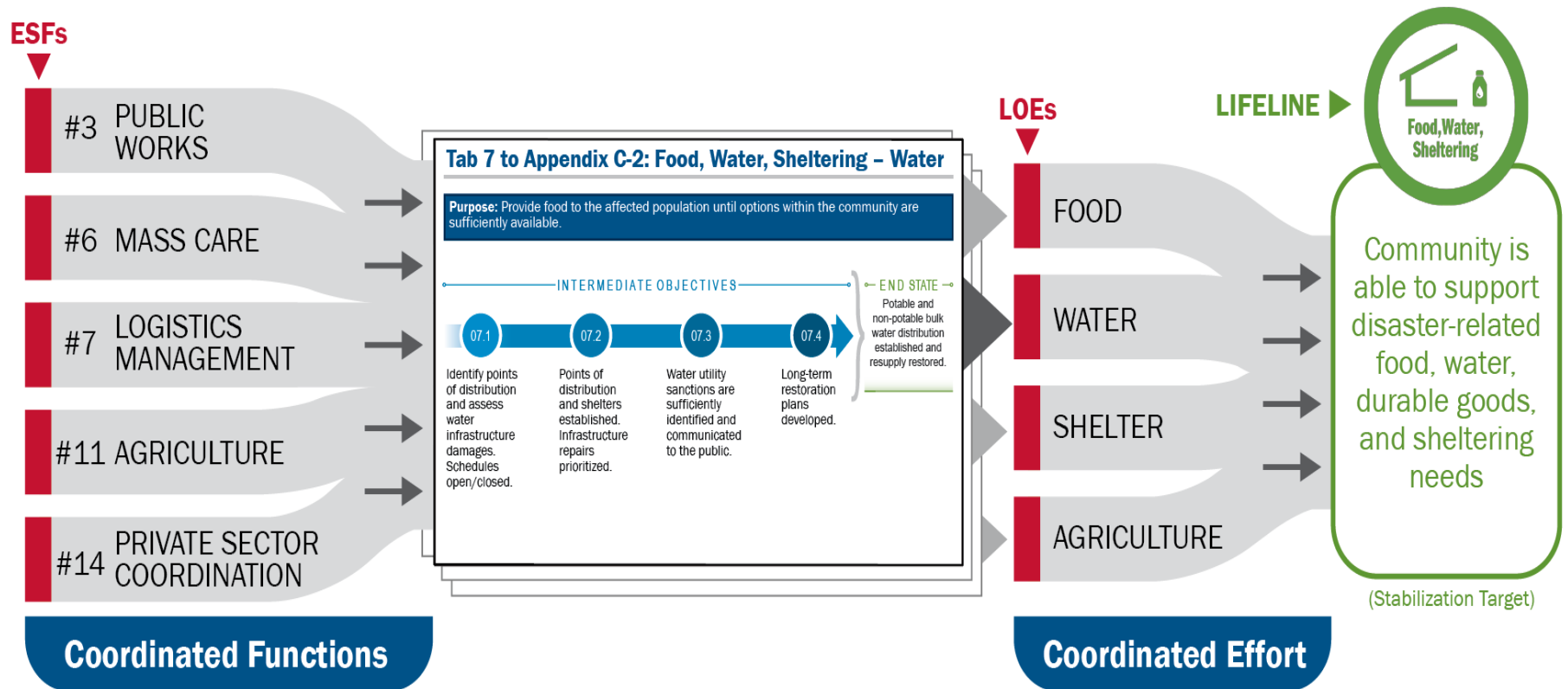
Execution Checklist		
Obj. #	Task	Responsibility
11.1	Contact SLTT and assess impacts to the patient movement lifeline capability and capacity.	HHS
11.2	In coordination with SLTT, identify gaps and determine the appropriate level of federal support required.	HHS
11.2	Activate National Disaster Medical System with NDMS partners.	HHS
11.3	Identify and establish collection points and reception locations.	ESF 8
11.3	Identify key potential alternate care facilities to house patients before transport outside of the impacted area.	ESF 8
11.3	Establish field medical units and alternate care facilities to treat patients while they await transport.	ESF 8
11.3	Assess and track disposition of patients and availability of beds.	ESF 8
11.3	Coordinate return of remains of patients who die while in NDMS system.	ESF 8
11.3	Validate patient number counts and ensure current counts are contained in regional senior-leader briefings.	HHS
11.4	Provide case management services and coordinate return of patients to appropriate locations, as required (SATs).	HHS
11.5	Identify and execute reimbursements, as appropriate.	HHS
11.5	Deactivate NDMS patient movement system.	HHS

References
<ul style="list-style-type: none"> • Execution Checklist found in WebEOC at: [Link] • Relevant PSMAs located in WebEOC at: [Link] • National Response Framework (NFR) ESF #8 Public Health and Medical Services Annex (Jan 2008)

Lifeline Concept of Operations



Lifeline Concept of Support





Questions?