

CITY COUNCIL TRANSMITTAL


Patrick Leary, Chief of Staff

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TO: Salt Lake City Council
Stan Penfold, Chair

DATE: January 27, 2017,

FROM: Cory Lyman
SLC Emergency Management Director

SUBJECT: Salt Lake City Emergency Management Update

STAFF CONTACT: Cory Lyman, Emergency Management Director
(801) 799-3601

COUNCIL SPONSOR: Exempt

DOCUMENT TYPE: Annual Report

RECOMMENDATION: This report provides an annual summary of the more significant programs of Salt Lake City Emergency Management. This report is for informational purposes only. Emergency management staff seeks council feedback and direction on current efforts.

BUDGET IMPACT: n/a

BACKGROUND/DISCUSSION: SLC Emergency Management is staffed by five people. Staff includes

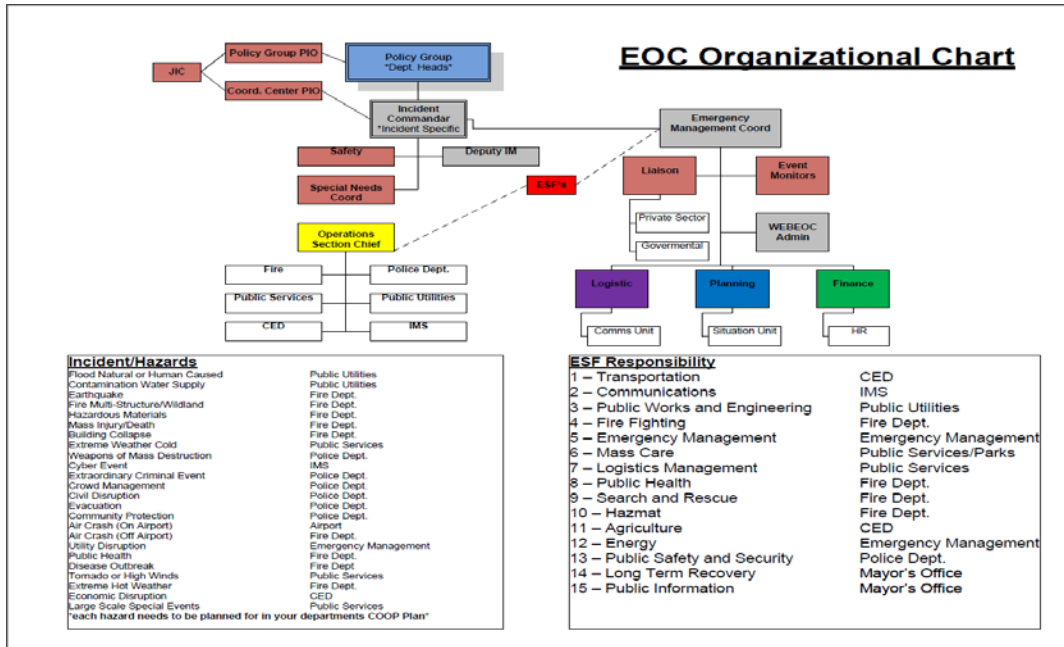
- Training & Exercise Specialist –Eric Witt
- Community Preparedness Coordinator- John Flynt
- Critical Infrastructure Liaison / Fix the Bricks Program Management – Audrey Pierce
- Multi-language Media Outreach Coordinator – Kenya Rene
- Director – Cory Lyman

Emergency management is responsible to coordinate the efforts of City departments to mitigate or manage the consequences of the following threats and hazards.

Natural	Technological	Human-caused
<ul style="list-style-type: none"> ▪ Avalanche ▪ Animal disease outbreak ▪ Drought ▪ Earthquake ▪ Epidemic ▪ Flood ▪ Hurricane ▪ Landslide ▪ Pandemic ▪ Tomado ▪ Tsunami ▪ Volcanic eruption ▪ Wildfire ▪ Winter storm 	<ul style="list-style-type: none"> ▪ Airplane crash ▪ Dam failure ▪ Levee failure ▪ Mine accident ▪ Hazardous materials release ▪ Power failure ▪ Radiological release ▪ Train derailment ▪ Urban conflagration 	<ul style="list-style-type: none"> ▪ Biological attack ▪ Chemical attack ▪ Cyber incident ▪ Explosives attack ▪ Radiological attack ▪ Sabotage ▪ School and workplace violence

Each major program is the responsibility of a staff member. Major efforts are focused in the following programs.

Citywide organization, training and exercise are the responsibilities of Eric Witt. Each year Eric managed **16 SLC** trainings, **five** section exercises, **four** EM staff training/exercises, 8 County-wide tabletops, two workshops and **one county-wide** (local, state and federal) 13 jurisdiction full scale exercise. Additionally, he provides **24** new hire orientations, **4** ready responder trainings, and assists departments and divisions with continuity of operations (COOP) plans. Additionally, Eric is primarily responsible for implementation of the Countywide **WebEOC** program. WebEOC is a situational awareness tool that enables coordination of responses and resources locally and statewide. As of this date, Eric has integrated the city GIS tools to visually display real time event data. This is a significant undertaking where the entire state benefits.



Community preparedness efforts are the responsibility of John Flynt. Major programs he manages include **Citizen Emergency Response Teams**, or CERT, **Amateur Radio** and **Schools Aid Families in Emergencies** or **SAFE Neighborhoods**.

CERT has been a consistent citizen preparedness program for many years. The program trains and equips neighborhoods to assist each other with light rescue, medical triage, first aid, etc. in the immediate aftermath of a disaster. Last year the city trained **218** residential CERT members in English and in Spanish. Our Business CERT trained **60** persons.



Crossroads Amateur Radio reported increased membership to 50+ 1 Crossroads does training/drills monthly. When public telephone networks and 911 are overwhelmed or out of service, amateur radio can step in and assist. Our Citywide communications after an earthquake will require upwards of 100 operators. John and the volunteer operators are progressing.



SAFE Neighborhoods is the City's overarching earthquake preparedness program. SAFE partners with the American Red Cross and the Salt Lake School District to create neighborhood hubs. Each hub has supplies and guidance to assist the members of that neighborhood in organizing their people, skills and resources to manage the first 4 -5 days after an earthquake. SAFE also provides a framework that enables the City to manage family reunification, public information, transportation, and resource distribution. This is a new program that originated here in Salt Lake City. SAFE has now been adopted by Salt Lake County and will soon be statewide.

This year we achieved a **major milestone** for SAFE. Under John's leadership, the program is implemented county wide. The local emergency managers, American Red Cross, and citizen volunteers collaborated to design and test a "Just in Time" (JIT) earthquake kit. This kit is to be located in every public grade school. It walks untrained neighbors through processes they need to perform in the aftermath of an earthquake. It provides them with the roles and responsibilities with objectives, task checklists and guides that enable the neighborhood to manage immediate needs. The kits were tested on a group of untrained volunteers. The group successfully organized and were performing all the major functions within 45 minutes.

The SAFE work group collaborate to identify funding and JIT Kits are purchased and assembled for all the grade schools in the Salt Lake County. Salt Lake City has already distributed JIT Kits to all the SLC grade schools.

This program is being recognized throughout the country as innovative and sustainable. John, who marshalled this program through all its stages, received the **Utah Emergency Management Association 2017 Community Impact Award** for his commitment and leadership advancing Utah's level of preparedness. It should be noted that he was nominated for this by emergency managers outside the City.

City volunteers carry the weight of each of these programs. Their contributions are crucial to our city's preparedness. Managing these efforts involves hundreds of volunteers, odd hours and a great deal of patience.

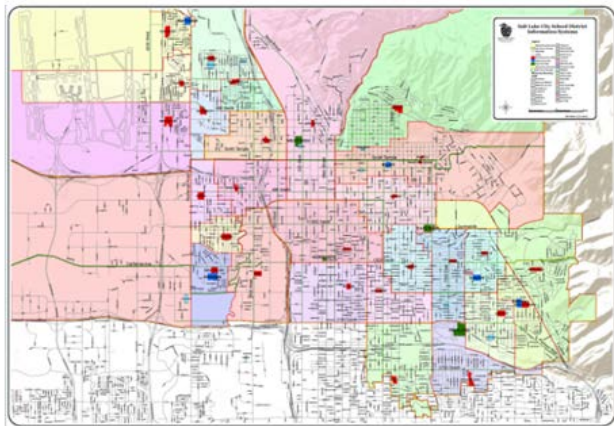
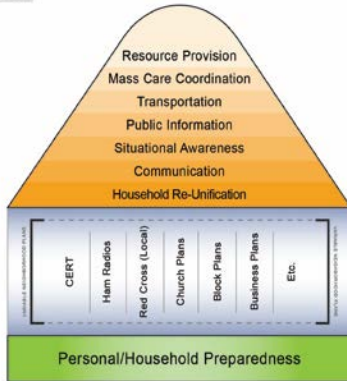


Grab your kit, walk to school



Toma tu equipo de emergencia, y camina a la escuela

S.A.F.E. Neighborhoods Framework



Critical infrastructure coordination, particularly with “lifeline infrastructures” is managed by Audrey Pierce. If lifeline infrastructures (energy, communications, water, and transportation) are compromised, all other infrastructures including medical/healthcare are compromised. Audrey networks with the operators, shares plans and participates in State-wide lifeline infrastructure resilience council (LIRC). Audrey is currently entering the various lifeline facilities into DHS’s IP Gateway analytical software

Salt Lake City requested and received DHS support for the **Regional Resilience Assessment Program (RRAP)** on the capitol city’s lifelines and is just completing an RRAP on our water and wastewater systems in coordination with SLC Public Utilities and other regional water and wastewater providers.

Fix the Bricks is a Housing infrastructure project involving the **Unreinforced Masonry (URM)** homes and buildings in Salt Lake. URMs will account for 90%+ of the 7,400 – 9,000 serious injuries and 2,000 – 2,500 deaths in the Wasatch Fault earthquake. The **Fix the Bricks** program addresses mitigation of these risks over the next 30 years. Audrey

guides an informal workgroup of professionals including geologists, engineers, builder associations, Realtors, City building and HAND officials, building owners association, FEMA, and emergency management. Fix the Bricks is really gaining Steam.

This year, Salt Lake City applied for and received a first of its kind **FEMA pre-disaster mitigation grant for Fix the Bricks**. The program will pay up to 75% of a homeowners costs to perform earthquake safety improvements. The program received tremendous support from other City departments including HAND, Planning, City Engineers, Building Division, IMS, Grant Management and Finance. Audrey along with her assistant Susan Collier has built this program from the ground up. The program is in its first year and we expect it to have a huge impact. When the mayor announced the beginning of the program, we were hoping to identify 50 applicants. Within the next seven days we had over 600. Each week we continue to receive dozens more just from word of mouth. It is a truly City-wide effort and will almost certainly save lives. We are actively looking for significant additional funding.



Multi-language Media Outreach Coordination is managed by Kenya Rene. These are exciting responsibilities. Community preparedness involves the entire community. Kenya is already reaching out to parts of our community that are frequently overlooked. Besides her strong presence in the Spanish speaking community, she is committed to reaching other sectors of the community including refugees, persons with hearing and sight challenges, economically challenged persons, etc. Kenya's strong marketing and

fine arts background greatly enhance the City's public outreach efforts, particularly Fix the Bricks and SAFE. We saw a huge spike in our social media presence and in the numbers and diversity of our volunteers. Much of the time the number of volunteers is exceeding our capacity to train them (a good problem to have).

Additionally, Kenya assumed responsibility for the **City's Joint Information System (JIS)**. This includes coordinating training and exercise, managing public warning systems, cataloguing pre-scripted alert and warning messages, and managing public information officer (PIO) assistance for City department during extraordinary events.

PUBLIC PROCESS: n/a