

## FARR WEST CITY MITIGATION PLAN

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### BACKGROUND INFORMATION

City located on north border of county, 5.8 square miles in total land. Farr West City contracts fire and public safety from the Weber County agencies. Farr West City has a Mayor/Council form of Government with a very active Planning commission. The city's population is 6,122 with an estimated 2,166 households and is still growing. According to the latest census information, Farr West City shows 11.2 percent of people 65 and over, with 32.1 percent of people under 18 year (8.5% under five years). The census shows that 95.5 percent of the people in Farr West City are white alone. The median values of owner-occupied homes is \$241,600. We have large lots with horses and barns and a large senior living facility where the average age is 68. There is a beautiful golf course in our city as well.

New Emergency Planning Volunteer starting to establish a new emergency plan and a CERT Council which works hand in hand with the City Public Works Director, Dave Bunderson – 801-543-9597, [dave@farrwestcity.com](mailto:dave@farrwestcity.com). Emergency Manager – Lou Waikart, 801-782-5757, [louw@digis.net](mailto:louw@digis.net).

The city provides the following services: planning and zoning, building and code enforcement, law enforcement through a sheriff contract, roads, pressurized secondary irrigation through the dependent Pine View Special Improvement District, parks and recreation, storm water and flood control, emergency services, senior citizens services, and sanitary sewer collection.

### Specific Community Hazards

Farr West City is subject to many different hazards due to its location, just north of the Weber/Ogden River way that is for flooding, dam failure (due to earthquake) and canal breach cause by flooding in flat run off zones with no control of storm water upstream. Because of the topography being so flat the city's roads, bridges, sewer and water lines will have some type of failure. Because of the city's location in the northern portion of the county there is a good chance it will be cut off from medical (hospital), EMS, Sheriff, and other services needed for life support due to flooding or earthquake. The city does not have back up power to run a EOC and lacks the communication/radio or phone to communicate with county, fire district, or law enforcement. Concerns are high water table in the Remuda area. High property value in this area and the golf course. We have several irrigation canals run through the city. There is a community of elderly resident in a mobile home village of 600 to 800 people, some on life support (O2), that need EMS support if and when there is a disaster.

The hazards are:

**EARTHQUAKE, FLOODING, CANAL BREACH, DAM FAILURE and MULTI-HAZARDS**

## Critical Facilities and Infrastructure

**EARTHQUAKE:** Liquefaction risk cause of inter structure failure of homes and business buildings, bridges, sewer, and water for city resident.

**FLOODING:** The city southern boundary is close to the Weber River Basin Drainage and Studies show possible flooding in this area. A large senior retirement center is located in this flood zone where flood insurance is very expensive on people with a fix income. There are about 600-800 people who live there.

**CANALES:** The city has several miles of canals (20-30) with one canal about 150ft wide and 25ft deep, carrying a large volume of irrigation water. Some canals are carrying storm water from other upstream cities that overload the downstream canals flooding the residents and requiring the city to respond. A portion of these canals are a part of the U.S. Bureau of Reclamation and operated by the Weber River Water Conservancy District (WRWCD).

**DAM FAILURE:** The city's southern portion would be devastated by a dam failure as the main drain pass just half a mile from the city where there is a large senior retirement community.

**MULIT-HAZARD:** The city's EOC is not up to readiness due to the need of generation for Aux Power, inter structure phone and communication, and continue training for council and staff.

## Mitigation Strategies Implemented since the 2009 Plan

A new junior high school completed to better survive a earthquake and was placed close to other city's business and offices. Added a new emergency manager volunteer position that is in the process of meeting the Professional Development Series required by FENA and worked for 20 years in Wildland Fire Management as a member of a class one team for the US Forest Service. Provide training for staff and council to operate an EOC. Establish a CERT Council to provide the city with a disaster trained volunteer staff to help during a disaster.

## Planned Mitigation Strategies

**EARTHQUAKE:**

***Problem Identification:*** Critical facilities (to include but not limited to public safety, utilities, water/waste, water/sewer, schools, public works, and other critical facilities) need to be made less vulnerable from the impacts of earthquakes to allow to a more timely and efficient response and recovery.

***Objective # (Priority – High)***

Reduce the impact of non-structure events following an earthquake.

***Action 1:*** Develop an earthquake vulnerability study to identify specific needs for the city.

**TIME FRAME:** 2016-2017 fiscal year

**FUNDING:** Grants or local funds

ESTIMATED COST: \$5000.00  
STAFF: City Emergency Manager and Volunteers  
JURISDICTION: Farr West City

**Action 2:** Identify areas of high liquefaction prior to continue building of structures in the area. Develop maps with FEMA, flood maps and other information.

TIME FRAME: On going  
FUNDING: County, city, and grants  
ESTIMATED COST: \$2,500.00  
STAFF: City Planning and Emergency Manager  
JURISDICTION: Farr West City/ Weber County

#### FLOODING:

**Problem Identification:** Southern portion of city from 1800 North south to city boundary, and from I15 freeway to west boundary is prone to flooding from Weber/Ogden River basin.

**Objective # (Priority – Medium)**

Reduce the threat and prepare for warning and notification of people and businesses in the area.

**Action 1:** Develop a plan to evacuate the citizens and business located in the hazard area. Post signs to inform where to evacuate to.

TIME FRAME: Complete Report by end of 2016  
FUNDING: County and City Government  
ESTIMATED COST: \$5,000.00 (Including sign cost)  
STAFF: County and City Emergency Management  
JURISDICTIONS: Farr West City

#### CANAL BREACH:

**Problem Identification:** There are several miles (15-20) of canals that cross through the city. Some are in good repair and some are needing to be updated.

**Objective #1 (Priority – Medium)**

Identify the canals that need to be brought up to the city standards for safety and good water flow.

**Action 1:** Complete a report on the standards of each canal and make recommendations to the city for improvements.

TIME FRAME: Within 3 years  
FUNDING: Water District/County/City  
ESTIMATED COST: Unknown  
STAFF: City Emergency Manager/Watermaster  
JURISDICTIONS: Farr West City

**Action 2:** Develop a plan for stormwater refuse for upstream canal users. Notification prior and during release with downstream users.

TIME FRAME: By end of 2017  
FUNDING: Weber Basin Water/Canal Users

ESTIMATED COST: \$10,000.00  
STAFF: Weber Basin Water/County/City  
JURISDICTIONS: Farr West City

DAM FAILURE:

**Problem Identification:** The city would be cut off from services for hospital, EMS, Sheriff and other life needs.

**Objective #1 (Priority – Medium)**

Prepare the resident to comfort the threat of flooding.

**Action 1:** Develop a plan for services and medical needs during and after a dam failure.

TIME FRAME: Within 3 years

FUNDING: County and City grants

ESTIMATED COST: \$8,000.00

STAFF: City/County Emergency Management

JURISDICTIONS: Farr West City

**Action 2:** Prepare the city infrastructure to handle the needs of its residents during this type of disaster. Develop and train an EOC staff for this need.

TIME FRAME: By 2017

FUNDING: City

ESTIMATED COST: \$4,000.00

STAFF: Emergency Management

JURISDICTIONS: Farr West City

MULTI-HAZARDS:

**Problem Identification:** With the update of a 2015 Emergency Action Plan, the city is in need of preparing to mitigate problems they will face prior to and during a disaster.

**Objective #1 (Priority – High)**

Update the city offices to handle a full scale disaster with an active EOC.

**Action 1:** Complete and approve the updated City Emergency Management Action Plan for 2015-2016

TIME FRAME: 2016

FUNDING: City

ESTIMATED COST: \$3,000.00

STAFF: City Emergency Manager

JURISDICTIONS: Farr West City

**Action 2:** Exchange communication within the city to communicate with county, EMS and Sheriff when landline is not working.

TIME FRAME: 2 years

FUNDING: Grants/Local funding and state suppliers

ESTIMATED COST: \$12,000.00

STAFF: Emergency Manager  
JURISDICTIONS: Farr West City

**Action 3:** Fully equip a city EOC and provide alternate power to run the EOC and staging area.

TIME FRAME: 2016-2017

FUNDING: Grants/Local/Surplus Equipment

ESTIMATED COST: Generator - \$40,000.00

Radios: \$10,000.00

Supplies: \$5,000.00

STAFF: City Council and Emergency Manager

JURISDICTIONS: Farr West City