

EPA Resilience Webinar

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Mitigation Project Financing

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Mitigation & Recovery

Hazard Mitigation Assistance (HMA)

Pre-Disaster Mitigation Competitive (PDM) Grant

Yearly Grant

75/25 Match

\$4 Million Cap/\$10 Million Infrastructure

Flood Mitigation Assistance (FMA)

Yearly Grant

75/25 Match

\$4 Million Cap

Flood Specific

Take properties out
of flood area

Hazard Mitigation Grant Program (HMGP)

Post disaster funding

15%-20% of total FEMA Disaster

Climate Resilient Mitigation
Activities (CRMA) initiative

Supporting communities in
increasing resilience and adapting
to climate change impacts.

Green Infrastructure

Resilient Infrastructure

Mitigation Project Criteria

- Protects lives and reduces public risk.
- Addresses repetitive or significant risk problem
- Demonstrates benefit to cost ratio of 1:1 or greater
- Is most practical, effective, and environmentally sound option
- Supports Utah mitigation goals and objectives
- Reduces vulnerability of existing structures to disasters
- Provides long-term mitigation solution
- Has affordable operation and maintenance costs

MUST HAVE OR HAVE PARTICIPATED IN A MITIGATION PLAN

Mitigation Financing

State Hazard Mitigation Officer (SHMO)/Staff

- Assess hazards and identify mitigation measures to reduce risk
- Develop Utah Hazard Mitigation Plan to protect people, property, and critical infrastructure
- Assist local mitigation planners to develop Mitigation Plans and identify cost-effective options
- Oversee FEMA Mitigation Funding



Mitigation Planning

Risk Assessment

Disasters in Utah

Most fatalities*

Avalanche 38

Lightning 44

Winter Weather 68

*1970-2012 data

Most Often

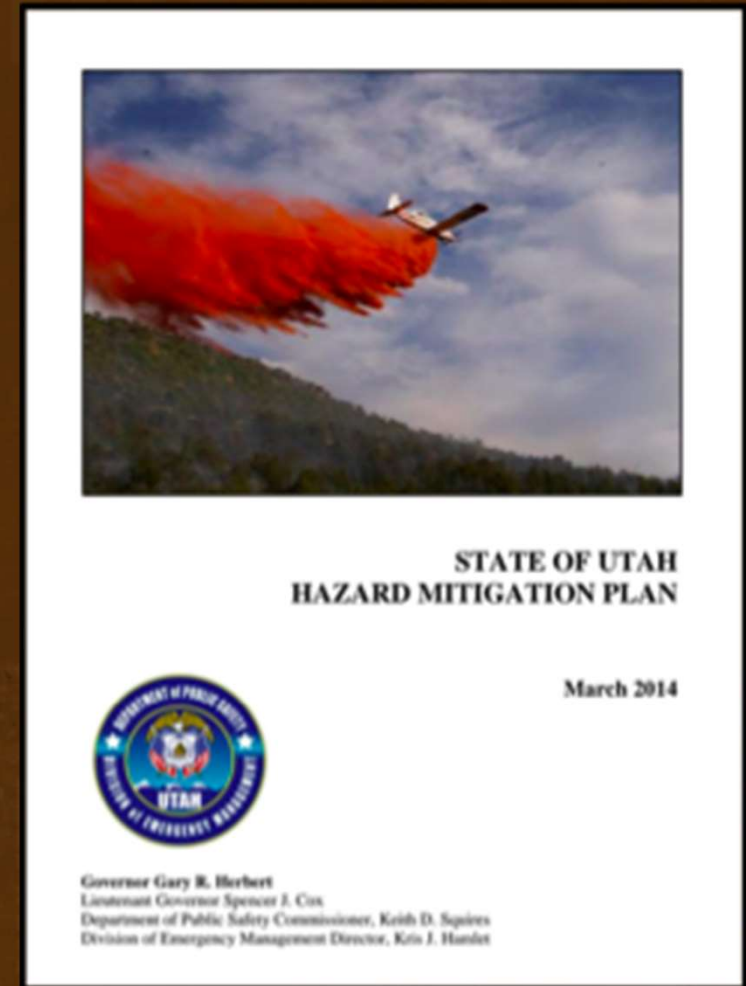
Wildfire

Most Damage

Flood

Largest Potential Impacts

Earthquakes -7.0M could cause
estimated 2,500 fatalities



Floods



Earthquakes



Drought



Wildfires



Tornados

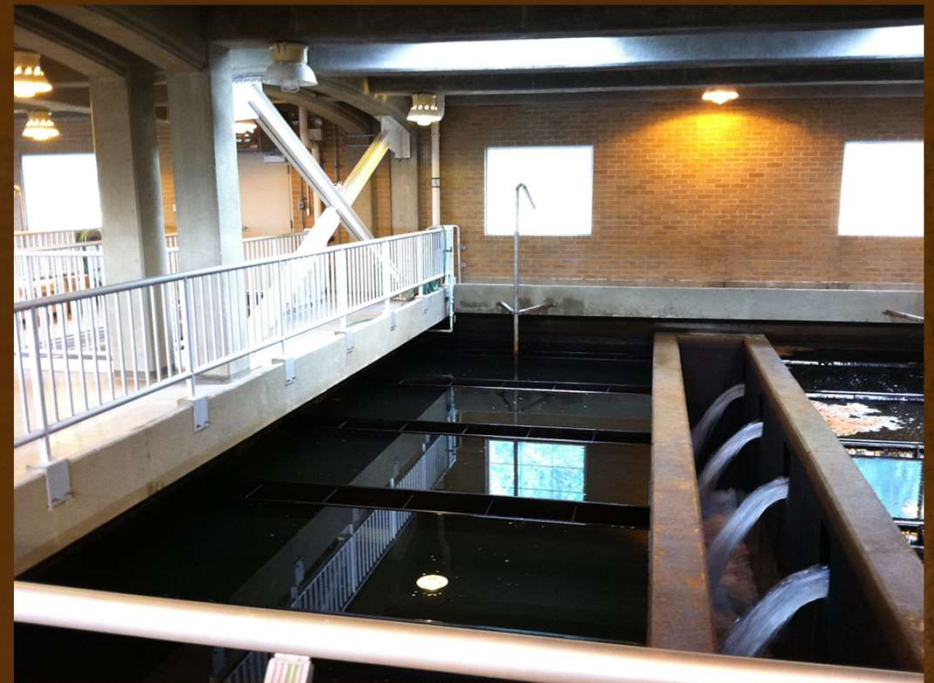


Power Outage



Seismic Mitigation Funding for Jordan Valley Water Conservancy District

- Developed an annex to the State Mitigation Plan
- Included mitigation projects for the Water District
- First District to have plan
- 3 Projects for a total of \$7,295,000



Success Stories

Mitigation Plans

Jordan Valley WCD - 3	\$5,471,250.00
Central Utah WCD - 2	\$2,084,300.00
Weber Basin WCD - 5	\$1,205,247.00
Snyderville Basin WRD - 1	\$203,235.00
Murray School District - 3	\$3,084,052.00
River Restoration Projects	
Debris/Retention Basins	
Seismic Retrofits	



Tips for Financing Resilience Mitigation for Water and Wastewater Utilities

- Have a Mitigation Plan
- Prioritize
- Match
- BCA
- Engineering
- Current Fed priorities
- APPLY!!!!



Janna Wilkinson

Disaster Mitigation & Recovery

The future
will NOT be like
the past.

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<https://www.flickr.com/photos/utahnaturalhazards/>

<https://uthazardmitigation.wordpress.com/>

There are two items where we could use your help:

1. Earlier I sent two examples of the “funding options” handout we developed for past workshops. **Would be able to provide any Utah-specific updates to the handout?** From there, we can take what you provide and update the handout. (I.e. - If you focus on the content, we can handle the formatting.) If the federal government-related rows are up to date, you can leave them as is.
2. During the training, we will be presenting adaptation/resilience strategies that Jordan Valley Water Conservancy District is considering for the future. We have found that participants respond best to the finance topic when the funding options are tied to tangible water sector-related projects. If we send you a list of items ahead of time that JVWCD is considering, would you be able to tie them into your presentation? For example, for a specific strategy such as Drought Contingency Plan, A, B and C funding program would be applicable.
 - a. You could simply discuss what is applicable or you could make it more concrete. We leave it up to you and Mr. Grange.
 - i. For example, attached is an example of a handout developed by the New England Environmental Finance Center developed for a workshop we held in Maine last month (May 2018).
 - ii. The handout includes a table of potential adaptation/resilience strategies that a Maine utility (Greater Augusta Water District) is considering.
 - iii. The last column shows applicable state and/or federal funding programs that could be used.

Please let me and my colleague Mary Jo Kricorian (CC'ed) know if you have any questions or concerns.

Resilience Planning and Adaptation Training for Water and Wastewater Utilities