

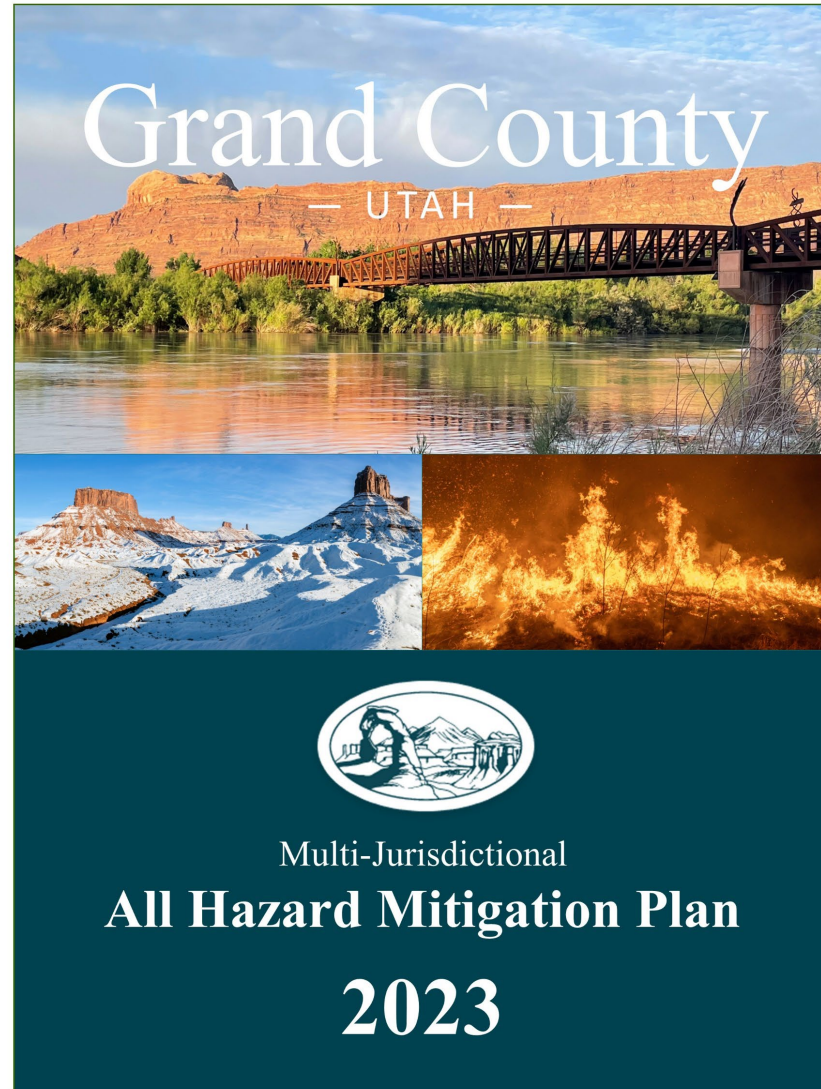
Grand County, Utah 2023 Hazard Mitigation Plan Update



LEPC/Public Meeting: Aug 24, 2023

Sign-in Sheet

- Name and **Title**
 - Name
 - Title
 - Organization
 - Phone
 - Email



<https://grandcountyutah.net/1264/Hazard-Mitigation-Plan>

Why Mitigate?

Definition of Mitigation

- *Any sustained action taken to reduce or eliminate long-term risk to life and property from a hazard event*



Why Mitigate? Key Benefits

- *Protect human life and prevent damage or loss of property*
- *Ensure continuity of government/business*
- *Promote inter-agency coordination and response*
- *Increase public awareness and preparedness about hazards within the community*
- *Maintain compliance with State and Federal regulations and requirements for funding*
 - **Plans must be updated and approved by FEMA every 5 years**

Community Preparedness Survey

prepare.community/grand

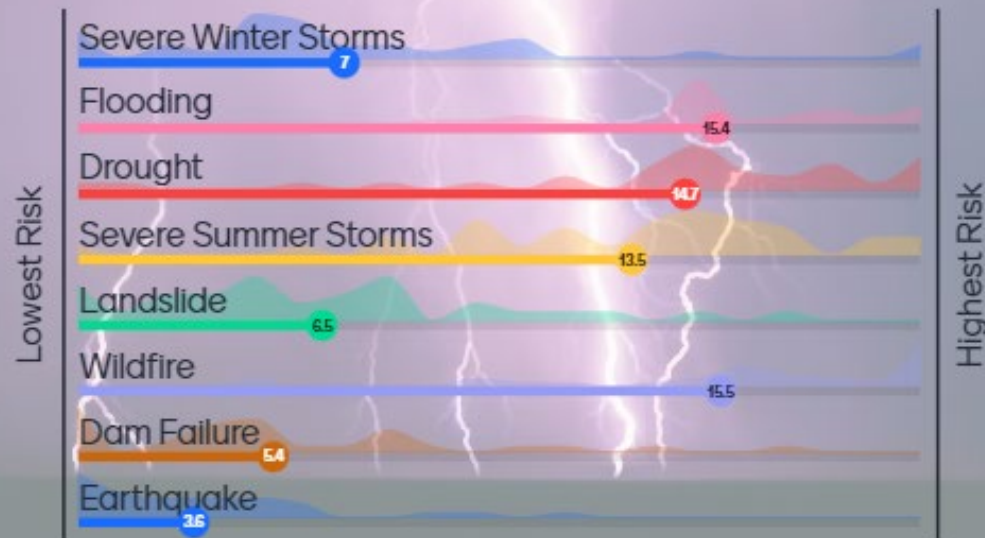
Assess Risks: Final Hazards List

- Floods
 - Flash Flooding
 - Riverine Flooding
- Severe Storms
 - Severe thunderstorms
 - Lightning
 - Hail
 - High Winds
- Winter Storms
 - Extreme Cold
 - Blizzards
 - Heavy Snow
- Wildfire
- Landslide
- Avalanche
- Extreme Heat
- Drought
- Earthquakes
- High Hazard Dams
- Hazardous Materials
- Terrorism/Active Assailant Incidents
- Major Transportation Incident
- Infestation
- Public Health Emergencies
- Prolonged Power Outage
- Cybersecurity Incident

Hazards and Mitigation Priorities

Hazard Event	Probability	Consequence				Total Risk Score (Probability x Consequence)
	Probability Factor	Sum of Weighted Extent Factors	Sum of Weighted Vulnerability Factors	Sum of Weighted Impact Factors	Consequence Score	
Flash Flood	3	15	11	28	54	76
Wildfire	3	15	11	28	54	76
Winter Storm/Blizzard/Heavy Snow	3	9	11	14	34	51
River or Stream Flood	2	15	6	25	46	47
Extreme Heat	3	6	9	14	29	45
Straight-line Wind	3	6	10	13	29	45
Public Health Emergency	2	15	9	17	41	42
Drought	2	15	9	15	39	41
Hazardous Material Incident	2	9	5	20	34	36
Extreme Cold	2	9	11	13	33	35
Prolonged Power Outage	2	9	9	15	33	35
Cybersecurity Incident	2	12	6	10	28	31
Hail	2	3	10	13	26	29
Major Transportation Incident	2	6	5	12	23	26
Infestation	2	9	3	10	22	25
Problem Soils	2	6	5	11	22	25
Terrorism/Active Assailant Incidents	1	12	5	26	43	24
Earthquake	1	6	16	16	38	22
Avalanche	2	3	5	10	18	21
Dam Failure	1	12	6	18	36	21
Lightning	2	3	5	9	17	20
Landslide	1	3	5	14	22	14
Tornado	1	3	5	12	20	13

Historically, which natural hazard(s) represent the greatest risk to your community?



Assess Risks: Previous Plan Risk Ranking

Typed of Natural Hazard	Probability	Severity (Potential Magnitude)	County Ranking
Severe Weather	Highly Likely	Limited	1
Flooding	Possible	Critical	2
Wildfire	Possible	Limited	3
Drought	Highly Likely	Negligible	4
Landslide	Possible	Negligible	5
Dam Failure	Not Likely	Limited	6
Infestation	Possible	Limited	7
Problem Soils	Possible	Limited	8
Earthquake	Not Likely	Limited	9

Table 22-1. Participating Jurisdictions' Mitigation Strategies and Hazard Alignment

	Drought	Earthquake	Flood	Landslide	Problem Soils	Severe Summer Weather	Severe Winter Weather	Wildfire
Grand County & City of Moab			22-2					
			22-3					
			22-4					
			22-5					
			22-6					
			22-7			22-2		
			22-10			22-3	22-2	22-2
			22-11			22-4	22-3	22-3
			22-12			22-5	22-4	22-4
		22-2	22-13			22-6	22-5	22-5
	22-2	22-3	22-14	22-2	22-2	22-7	22-6	22-6
	22-3	22-4	22-15	22-3	22-3	22-8	22-7	22-7
	22-4	22-5	22-16	22-4	22-4	22-9	22-8	22-9
	22-5	22-6	22-17	22-5	22-5	22-10	22-10	22-21
	22-6	22-7	22-18	22-6	22-6	22-11	22-11	22-22
	22-7	22-30	22-19	22-7	22-7	22-12	22-12	22-23
	22-31	22-43	22-20	22-29	22-45	22-13	22-26	22-24
	22-32	22-44	22-33			22-26	22-27	22-25
			22-34			22-28	22-38	22-46
			22-35			22-38	22-39	22-47
			22-36			22-39	22-42	22-48
			22-37			22-42		
			22-38					
			22-39					
			22-40					
			22-41					
			22-42					

Mitigation Goals

Goal 1. Prioritize the health and safety of Grand County residents from the impacts of natural and manmade hazards.

Goal 2. Protect critical infrastructure and community lifelines within Grand County by identifying and reducing vulnerabilities to the impacts of natural and manmade hazards.

Goal 3. Strengthen relationships between the public sector, private sector entities, leaders from underserved communities, and residents to enhance community resilience through a whole-community approach, with specific emphasis on achieving equitable outcomes for all communities, including underserved communities and socially vulnerable populations.

Goal 4. Increase the preparedness and awareness of natural and manmade hazards among Grand County residents and visitors through targeted and coordinated public outreach campaigns and education.

Goals

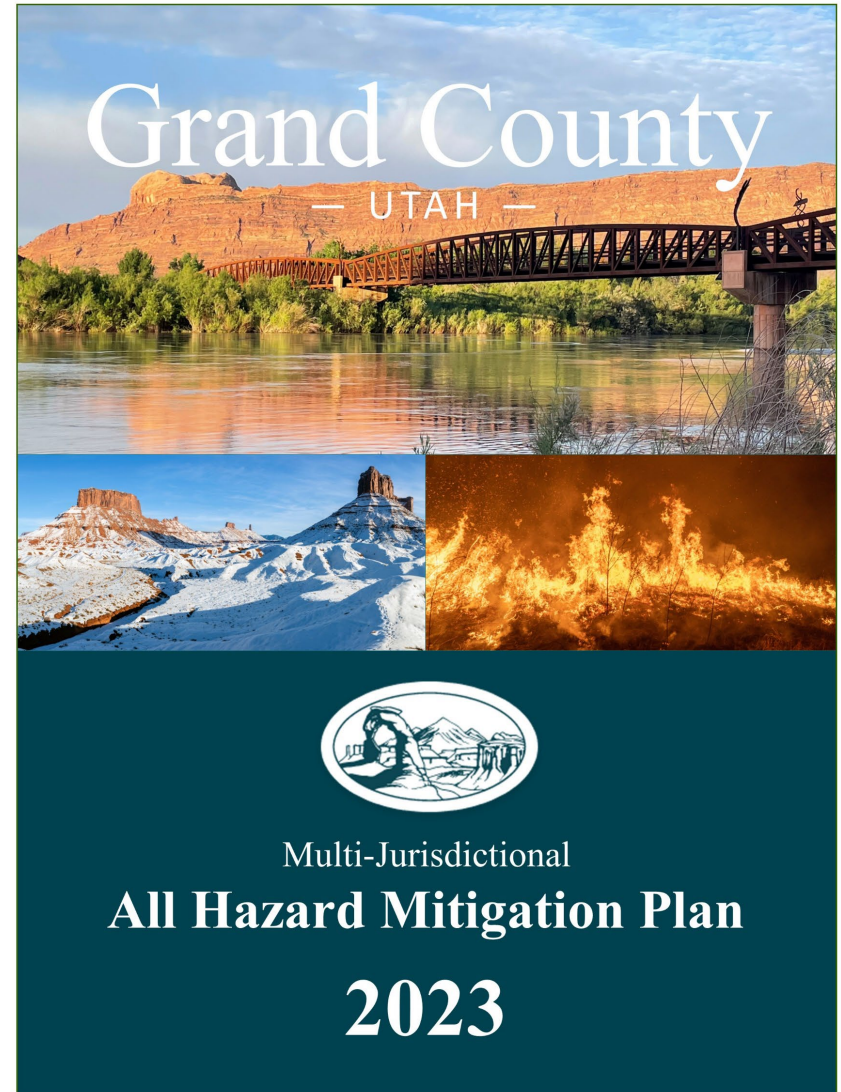
Goal 5. Promote better coordination between public service sectors, and encourage multi-jurisdictional participation in sustainable and cost-effective mitigation projects.

Goal 6. Safeguard economic, historic and cultural aspects of Grand County from the effects of natural and manmade hazards.

Goal 7. Encourage systematic updates and adoptions of regulations to ensure new developments address changing environmental concerns and natural resource protection.

Goal 8. Protect properties and structures within Grand County from the impacts of natural hazards through the implementation of flood control projects, green infrastructure, mitigation activities, and advanced warning systems.

Plan Review



Project Schedule

- **Survey of Community/Business:** May/June 2023
- **Planning Meeting - Mitigation Strategy:**
 - **Mitigation Actions and Prioritization Workshop:** May 2023
 - **Public Meetings:** May/Aug 2023
- **Planning Meeting – Review Draft:** Now
 - Review Draft
 - Public Meeting
- **Final Draft:** August 2023
- **State/Federal Review:** September/October 2023
 - **Approved:** 10/23/18
 - **Expires:** 10/22/23

Questions & Comments?

