Bridgeport Public Utility District

Special District Annex

Date | Draft One

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Bridgeport Public Utility District

The Bridgeport Public Utility District (BPUD) has demonstrated its commitment to a comprehensive mitigation program by developing a district-specific annex for inclusion in this plan. This annex is intended to be read in conjunction with the base plan, where more general information, such as hazard descriptions, extent, and location, can be found. This is the first time the special district is participating in a hazard mitigation plan; therefore, there are no changes in priority since the prior plan update. The following is intended to clarify what, if any, unique considerations and differences exist between the plan participants' hazards and mitigation capabilities. Furthermore, this annex documents the selected mitigation actions for BPUD.

Bridgeport Public Utility District Participation

This plan was developed through a collaborative planning process that included Mono County, the Town of Mammoth Lakes, the participating special districts, many stakeholders, and the public. An important part of the plan update was documenting the planning process itself, including who represented which plan participant. BPUD was represented during the plan update process by the individual listed in Table 1.

Table 1: Representatives of the Bridgeport Public Utility District in the Planning Process

Name	Title	Organization/Department
Thomas Mullinax	Manager	Bridgeport Public Utility District

Local Stakeholder Involvement

Stakeholders, including local and regional agencies involved in hazard mitigation activities, agencies that have the authority to regulate development, neighboring communities, representatives of businesses, academia, other private organizations, nonprofit organizations, and community-based organizations, were invited to participate in the plan update. A full list of stakeholders is included in the base plan. Table 2 lists at least one stakeholder per required stakeholder type that works in or has knowledge of BPUD. Stakeholders were invited to participate by attending two meetings on the Risk Assessment and Mitigation Strategy, attending focused stakeholder meetings, completing the draft stakeholder survey, and reviewing the draft plan.

Table 2: Local Stakeholders

Name	Description	Stakeholder Type
Bridgeport Fire Department	The Bridgeport Fire Protection District (BFPD) is a fire protection agency serving the community of Bridgeport, California. It is responsible for providing emergency services, including fire suppression, emergency medical response, rescue operations, and fire prevention efforts in its jurisdiction. Located in the Mono County area, the district covers the town of Bridgeport and potentially other nearby areas.	Local and regional agencies involved in hazard mitigation activities
Mono County Department of Public Works	The department is involved in the planning, design, and construction of infrastructure projects in the unincorporated areas of Mono County.	Agencies that have the authority to regulate development
Hilton Creek Community Service District (HCCSD)	HCCSD is a local government agency that provides essential public services to the residents of the Hilton Creek area, in Mono County, California. The district is primarily focused on providing water and sewer services, maintaining infrastructure, and ensuring the health and safety of its community.	Neighboring community
Southern California Edison	This is the primary electric utility for Southern California.	Representatives of businesses, academia, and other private organizations
Mono County American Red Cross	This nonprofit humanitarian organization provides emergency assistance, disaster relief, and disaster preparedness education in the United States.	Representatives of nonprofit organizations, including community-based organizations

Public Engagement

The public was also encouraged to participate in the plan update process. Members of the public were provided the opportunity to participate in the planning process through a digital survey, flyers, and public meetings. BPUD utilized outreach through Mono County to make local residents aware of the hazard mitigation plan update. On January 30, 2025, the county provided a public presentation at the Mono County Collaborative Planning Team meeting to discuss the MJHMP update and to seek feedback from the public. A presentation was made to the County Regional Planning Advisory Committee in Bridgeport Valley. Public feedback was incorporated into the risk assessment and mitigation strategy sections through specific vulnerabilities identified and mitigation action recommendations.

District-Specific Hazards and Vulnerabilities

The risk assessment identifies and analyzes the hazards of concern in the planning area. The full risk assessment is included in the base plan. Where differences exist, they are noted in this annex. Table 3 provides an overview of hazards that have been omitted from the risk assessment due to their irrelevance or lack of impact on BPUD.

Table 3: Hazard Omissions

Hazard	Statement of Omission
Avalanche	Not applicable, most of BPUD's infrastructure is underground and has not been impacted by past avalanches.
Dam Failure	Not applicable, no dam facilities uphill of water systems.
Disease and Pest Management	Not applicable, no risk to water system infrastructure.
Drought	Not applicable, no impact/risk to water systems, highly unlikely. No historical impacts on drought on critical district infrastructure.
Epidemic/Pandemic	Not applicable, no impact/risk to water systems. No historical impacts on epidemic/pandemic on critical district infrastructure.
Extreme Heat	Not applicable, no impact/risk to water systems No historical impacts on critical district infrastructure, infrastructure also located above typical impacts of extreme heat at all.
Landslide	Not applicable. No historical impacts from Landslides on critical district infrastructure, which is predominantly underground.
Hazardous Materials	Not applicable, water systems in residential communities have no hazardous materials impact/risk.
Volcanoes	Not applicable, highly unlikely, air quality issues will not affect the district's water systems.
Wildfire	Not applicable, most of BPUD's infrastructure is underground and has not been impacted by past wildfires.
Wildlife Collisions	Not applicable, incidents will have no impact/risk to water systems. No historical impacts on wildlife collisions on district critical infrastructure.

District Risk Differences

Each plan participant was asked to consider how their risks and vulnerabilities compared to the overall planning area. To calculate these differences, participants ranked their unique vulnerabilities using the Calculated Priority Risk Index in Table 4 and the equation below it.

Table 4: Calculated Priority Risk Index

Risk Index Factor	Degree of Risk Level		Criteria	Factor Weight for Degree of Risk Level
Probability of Future Events	1	Unlikely	Less than 1% probability of occurrence in the next year or a recurrence interval of greater than every 100 years	30%
	2	Occasional	1%–10% probability of occurrence in the next year or a recurrence interval of 11–100 years	
	3	Likely	11%–90% probability of occurrence in the next year or a recurrence interval of 1–10 years	
	4	Highly Likely	91%–100% probability of occurrence in the next year or a recurrence interval of less than 1 year	
Spatial Extent (Geographic coverage) How large of an area could be affected by the specific hazard?	1	Limited	Less than 10% of the planning area could be impacted.	20%
	2	Small	10%–25% of the planning area could be impacted.	
	3	Significant	25%–50% of the planning area could be impacted.	
	4	Extensive	50%–100% of the planning area could be impacted.	
Severity of Life/Property Impact	1	Negligible	Less than 5% of the affected area's critical and non-critical facilities and structures are damaged or destroyed. Only minor property damage and minimal disruption of life. Temporary shutdown of critical facilities.	30%
	2	Limited	Greater than 5% and less than 25% percent of property in the affected area is damaged or destroyed. Complete shutdown of critical facilities for more than one day but less than one week.	
	3	Critical	Greater than 25%, but less than 50% of property in the affected area was damaged or destroyed. Complete	

Risk Index Factor	Degree of Risk Level		Criteria	Factor Weight for Degree of Risk Level
			shutdown of critical facilities for over a week but less than one month.	
	4	Catastrophic	Over 50% of critical and non-critical facilities and infrastructures in the affected area are damaged or destroyed. Complete shutdown of critical facilities for more than one month.	
Warning Time (Warning time refers to the duration between the moment a warning is issued for an impending threat or disaster and when the threat or disaster occurs. Having more warning time allows for better emergency preparations and public information dissemination.)	1	Self-defined	More than 24 hours	10%
	2	Self-defined	12–24 hours	
	3	Self-defined	6–12 hours	
	4	Self-defined	Less than 6 hours	
Duration (The span of time local, state, and/or federal assistance will be necessary to prepare for, respond to, and recover from a potential disaster event.)	1	Brief	Up to 6 hours	10%
	2	Intermediate	Up to one day	
	3	Extended	Up to one week	
	4	Prolonged	More than one week	

Risk Factor Equation

RF Value = [(Probability x .30) + (Spatial Extent x .20) + (Severity of Life/Property Impact x .30) + (Warning Time x .10) + (Duration x .10)]

Hazards with an RF value greater than or equal to 2.5 are considered high risk. Those with RF values of 2.0 to 2.4 are considered moderate risk hazards, and those with an RF value less than 2.0 are considered low risk. The highest possible RF value is 4. The calculated priority risk index for BPUD is presented in Table 5.

Table 5: Calculated Priority Risk Index for the Bridgeport Public Utility District

Type of Hazard Event	Probability of Future Events	Spatial Event	Severity of Life/Property Impact	Warning Time	Duration	Risk Factor Value
Earthquake and Seismic Hazards	3	4	2	4	3	3
Energy Shortages and Energy Resiliency	4	4	2	4	2	3.2
Flood	2	1	1	2	2	1.5

Past Hazard Events

The plan must present the history of hazard events. Although the past cannot predict the future, especially as climate change is causing more frequent and intense events, it can give an idea of what might happen and what is at risk. The base plan provides descriptions of general hazard occurrences identified by the state and/or the Federal Emergency Management Agency (FEMA). The plan participants were asked to provide additional information on hazards that have impacted them, if any. Table 6 lists these hazard events of local significance.

Table 6: Previous Disaster Impacts for the Bridgeport Public Utility District

Type of Hazard Event	FEMA Disaster # (If Applicable)	Date(s)	Damage or Impacts	Description
Earthquake and Seismic Hazards	N/A	N/A	N/A	N/A
Energy Shortages and Energy Resiliency	N/A	Annual	Certain BPUD facilities cannot function without power, resulting in disruption in service.	Public Safety Power Shutoffs disrupt BPUD operations on a regular basis.
Flood	N/A	N/A	N/A	N/A

District-Specific Vulnerabilities

The plan participants also evaluated their specific vulnerabilities to each hazard that affects the overall planning area. Assets were determined by the community. Asset types may differ among plan participants, including the following:

- **People:** Residents, workers, visiting populations, and socially vulnerable populations like seniors, individuals with disabilities, and lower-income individuals
- **Structures:** Residential, commercial, industrial, government-owned, planned capital improvement, etc.)

- **Economic Assets:** Major employers, primary economic sectors, key infrastructure like telecommunications networks
- **Natural, Historic, and Cultural Resources:** Areas of conservation, parks, critical habitats, community centers, historic places, etc.
- **Critical Facilities and Infrastructure:** Hospitals; law enforcement; water, power, transportation systems; etc.
- **Community Activities:** Major local events, such as festivals, or economic events, like farming or fishing.

The following problem statements describe the district-specific vulnerabilities of BPUD. Where no unique considerations are noted, it can be assumed that the information included in the base plan also applies to BPUD.

Earthquake and Seismic Hazards

- **Location:** All of the unincorporated community of Bridgeport where BPUD operates is susceptible to the impacts of earthquakes. Nearby faults include the Robinson Creek fault.
- **Extent:** Moderate intensity shaking level is the worst-case scenario for Bridgeport.
- **Impacts**: Major earthquakes could damage buildings, disrupt essential utilities including BPUD's water systems, and isolate communities by damaging key roadways such as Highway 395. Liquefaction could occur, damaging facilities or transportation systems.
- **District-Specific Vulnerabilities**:
  - Aging pipes in BPUD's system are vulnerable to damage during earthquakes.
  - BPUD's system is vulnerable to both ground shaking and liquefaction.
  - The population BPUD serves could experience disruptions in service due to water systems being damaged or destroyed. Depending on the extent of the earthquake, the population could have concerns regarding life safety, recovery costs, and economic losses.

Energy Shortages and Energy Resiliency

- **Location:** All of Bridgeport is susceptible to the impacts of energy shortages.
- **Extent:** The System Average Interruption Duration Index measures the average amount of time a customer is without power in a year due to sustained interruptions (measured in minutes per customer). The planning area can expect to experience regular intervals of power outages in any given year.
- **Impacts**: Energy outages disrupt critical infrastructure, including water systems like BPUD's systems. Customers can experience outages of public utilities, potentially impacting public health.

- **District-Specific Vulnerabilities**:
  - BPUD facilities that do not have backup generators cannot function during a power outage, disrupting service during that time.
  - The population BPUD serves may experience service disruptions, potentially resulting in public health concerns in the case of power outage over an extended period of time.

Flood

- **Location:** The eastern part of Bridgeport, near the Eastern Walker River, is susceptible to flooding.
- **Extent:** Flooding issues in Bridgeport have been caused by shallow overbank flooding in the 100-year flood zone.
- **Impacts**: Flooding can isolate entire communities by cutting off primary access roads, delaying emergency response, damaging public infrastructure, and displacing residents. BPUD's system may be inundated, resulting in impacts on the overall water system's ability to function.
- **District-Specific Vulnerabilities**:
  - Sewer lift stations located on South Drive and on South Buckeye Drive are susceptible to flooding, which impacts their ability to function.
  - The population BPUD services, particularly those affected by the sewer lift stations along South Drive and South Buckeye Drive, may experience service disruptions.

District-Specific Changes in Development and Impacts

The plan must describe changes in development that have occurred in hazard-prone areas and how they have increased or decreased the vulnerability of each participant since the previous plan was approved.

Changes in development include recent development (e.g., construction completed since the last plan was approved), potential development (e.g., development planned or under consideration by the district), conditions that may affect the risks and vulnerabilities of the districts (e.g., climate change, declining populations or projected increases in population, or foreclosures), shifts in the needs of underserved communities, or gaps in social equity. This can include changes in local policies, standards, codes, regulations, land use regulations, and other conditions. Table 7 lists the changes in development for BPUD.

Table 7: Changes in Development for the Bridgeport Public Utility District

Type of Hazard Event	Changes in Land Use	Changes in Population	Changes in Conditions (e.g., Climate Change)	Overall Vulnerability
Earthquake and Seismic Hazards	No change	No change	None	Stayed the same
Energy Shortages and Energy Resiliency	No change	No change	Climate change putting more pressure on Southern California Edison's infrastructure, potentially increasing the possibility of power outages.	Increased
Flood	No change	No change	Climate change increasing the frequency and severity of flood events.	Increased

Mitigation Capabilities

Local mitigation capabilities are existing authorities, policies, programs, and resources that reduce hazard impacts or could help carry out hazard mitigation activities. Analyzing local mitigation capabilities and opportunities to expand or improve mitigation capabilities can help decision makers determine feasible mitigation actions. BPUD assessed the following mitigation capabilities.

Planning and Regulatory

Planning and regulatory capabilities are the plans, policies, codes, and ordinances that prevent and reduce the impacts of hazards.

Table 8: Plans of the Bridgeport Public Utility District

Plan	Does the plan address hazards? (Y/N)	How can the plan be used to implement mitigation actions?	When was it last updated? When will it next be updated?
General Plan	No	N/A	N/A
Capital Improvement Plan	No	N/A	N/A
Climate Change Adaptation Plan	No	N/A	N/A

Plan	Does the plan address hazards? (Y/N)	How can the plan be used to implement mitigation actions?	When was it last updated? When will it next be updated?
Community Wildfire Protection Plan	No	N/A	N/A
Economic Development Plan	No	N/A	N/A
Land Use Plan	No	N/A	N/A
Local Emergency Operations Plan	No	N/A	N/A
Stormwater Management Plan	No	N/A	N/A
Transportation Plan	No	N/A	N/A
Substantial Damage Plan	No	N/A	N/A
Other? (Describe.)	No	N/A	N/A

Table 9: Regulations and Ordinances of the Bridgeport Public Utility District

Regulation/Ordinance	Does this regulation/ ordinance effectively reduce hazard impacts?	Is it adequately administered and enforced?	When was it last updated? When will it next be updated?
Building Code	While the BPUD does not adopt the building code directly, BPUD facilities are developed in accordance with the latest adopted building codes by Mono County, the 2022 California Building Codes.	BPUD does not administer and enforce the building code, but Mono County effectively does so.	Mono County adopted the latest building codes in 2022. They will update the building codes again in 2026.
Flood Insurance Rate Maps	Yes	Yes – by Mono County.	December 2012.
Floodplain Ordinance	N/A	N/A	N/A
Subdivision Ordinance	N/A	N/A	N/A
Zoning Ordinance	N/A	N/A	N/A
Natural Hazard Specific Ordinance (Stormwater, Steep Slope, Wildfire)	N/A	N/A	N/A

Regulation/Ordinance	Does this regulation/ ordinance effectively reduce hazard impacts?	Is it adequately administered and enforced?	When was it last updated? When will it next be updated?
Acquisition of Land for Open Space and Public Recreation Use	N/A	N/A	N/A
Prohibition of Building in At-Risk Areas	N/A	N/A	N/A
Other? (Describe.)	N/A	N/A	N/A

Administrative and Technical

Administrative and technical capabilities include staff and their skills. They include tools that can help you carry out mitigation actions. Table 10 provides a list of the district's administrative capabilities, while Table 11 lists the district's technical capabilities.

Table 10: Administrative Capabilities of the Bridgeport Public Utility District

Administrative Capability	In place? (Y/N)	Is staffing adequate?	Is staff trained on hazards and mitigation?	Is coordination between agencies and staff effective?
Chief Building Official	No	N/A	N/A	N/A
Civil Engineer	No	N/A	N/A	N/A
Community Planner	No	N/A	N/A	N/A
Emergency Manager	No	N/A	N/A	N/A
Floodplain Administrator	No	N/A	N/A	N/A
Geographic Information System (GIS) Coordinator	No	N/A	N/A	N/A
Planning Commission	No	N/A	N/A	N/A
Fire Safe Council	No	N/A	N/A	N/A
CERT (Community Emergency Response Team)	No	N/A	N/A	N/A
Active VOAD (Voluntary	No	N/A	N/A	N/A

Administrative Capability	In place? (Y/N)	Is staffing adequate?	Is staff trained on hazards and mitigation?	Is coordination between agencies and staff effective?
Organizations Active in Disasters)				
Other? (Please describe.)	No	N/A	N/A	N/A

Table 11: Technical Capabilities of the Bridgeport Public Utility District

Technical Capability	In place? (Y/N)	How has the capability been used to assess/ mitigate risk in the past? (Answer or N/A)	How can the capability be used to assess/ mitigate risk in the future?
Mitigation Grant Writing	No	N/A	N/A
Hazard Data and Information	No	N/A	N/A
GIS	No	N/A	N/A
Mutual Aid Agreements	No	N/A	N/A
Other? (Please describe.)	No	N/A	N/A

Financial

Financial capabilities are the resources available to fund mitigation actions. Table 12 outlines the district's financial capabilities.

Table 12: Financial Capabilities of the Bridgeport Public Utility District

Funding Resource	In place? (Y/N)	Has this funding resource been used in the past and for what types of activities?	Could this resource be used to fund future mitigation actions?	Can this be used as the local cost match for a federal grant?
Capital Improvement Project Funding	No	N/A	N/A	N/A
General Funds	No	N/A	N/A	N/A
Hazard Mitigation Grant Program (HMGP/404)	No	N/A	N/A	N/A
Building Resilient Infrastructure & Communities (BRIC)	No	N/A	N/A	N/A

Funding Resource	In place? (Y/N)	Has this funding resource been used in the past and for what types of activities?	Could this resource be used to fund future mitigation actions?	Can this be used as the local cost match for a federal grant?
Flood Mitigation Assistance (FMA)	No	N/A	N/A	N/A
Public Assistance Mitigation (PA Mitigation/406)	No	N/A	N/A	N/A
Community Development Block Grant (CDBG)	No	N/A	N/A	N/A
Natural Resources Conservation Services (NRCS) Programs	No	N/A	N/A	N/A
U.S. Army Corps (USACE) Programs	No	N/A	N/A	N/A
Property, Sales, Income, or Special Purpose Taxes	No	N/A	N/A	N/A
Stormwater Utility Fee	No	N/A	N/A	N/A
Fees for Water, Sewer, Gas, or Electric Services	Yes	Monitor and maintain infrastructure	Yes	Yes
Impact Fees from New Development and Redevelopment	Yes	Monitor and maintain infrastructure	Yes	Yes
General Obligation or Special Purpose Bonds	No	N/A	N/A	N/A
Federally Funded Programs (Please describe)	No	N/A	N/A	N/A
State-Funded Programs (Please describe)	Yes	The Bridgeport Arsenic Treatment Facility	Yes	Depends on grant
Private Sector or Nonprofit Programs	No	N/A	N/A	N/A
Other?	No	N/A	N/A	N/A

Education and Outreach

Education and outreach capabilities are programs and methods that could communicate about and encourage risk reduction. Table 13 summarizes the district's education and outreach capabilities.

Table 13: Education and Outreach Capabilities of the Bridgeport Public Utility District

Education and Outreach Capability	In place? (Y/N)	Does this resource currently incorporate hazard mitigation?	Notes
Community Newsletter(s)	No	N/A	N/A
Hazard Awareness Campaigns (such as Firewise, Storm Ready, Severe Weather Awareness Week, School Programs)	No	N/A	N/A
Public Meetings/Events (Please describe.)	No	N/A	N/A
Emergency Management Listserv	No	N/A	N/A
Local News	No	N/A	N/A
Distributing Hard Copies of Notices (e.g., public libraries, door-to-door outreach)	No	N/A	N/A
Insurance Disclosures/Outreach	No	N/A	N/A
Organizations that Represent, Advocate for, or Interact with Underserved and Vulnerable Communities (Please describe.)	No	N/A	N/A
Social Media (Please describe.)	No	N/A	N/A
Other? (Please describe.)	Website	No	The website includes water quality information.

Ability to Expand and Improve Existing Capabilities

The capability assessment findings were reviewed to identify opportunities to expand, initiate, or integrate capabilities to further hazard mitigation goals and objectives. These opportunities are included in Table 14.

Table 14: Opportunities to Expand or Improve Capabilities of the Bridgeport Public Utility District

Capability Type	Opportunity to Expand and/or Improve
Planning and Regulations	BPUD is a small special district without any plans or regulations of note. In the future, the district can plan for and develop a budget to address power outages

Capability Type	Opportunity to Expand and/or Improve
	that are devastating to the functionality of the facilities that do not have backup generators. Without power, they cannot function, and public safety shutoffs of the power grid happen regularly. BPUD is planning to install backup generators at all of its facilities so it can maintain power during an energy shortage.
Administrative and Technical	BPUD has not mapped the full extent of its infrastructure. The district would like to bring on GIS expertise to locate and map each valve and mainline to gain a better understanding of where upgrades are needed. Hiring additional GIS expertise will help identify future mitigation action opportunities.
Financial	With a small staff, BPUD does not have the capacity to apply for many grants. The district would like to provide training to its board and staff members and bring on a part time staff member to apply for HMGP grants.
Education and Outreach	BPUD does very little public outreach. It would like to improve hazard messaging on the district website and start social media accounts, including Facebook and X, to communicate more widely with district customers, including about mitigation.

National Flood Insurance Program Capability Assessment

BPUD does not participate and is not eligible to participate in the National Flood Insurance Program (NFIP), a FEMA program that provides flood insurance to millions of policyholders across the country. This program is typically regulated at the local and county levels; however, FEMA mitigation planning guidelines still request information on how each plan participant supports or implements floodplain management regulations. Table 15 includes a high-level overview of what, if anything, the district does to support floodplain management for known risks.

Table 15: NFIP Capabilities of the Bridgeport Public Utility District

Question	Response
What communities does your special district operate in? Are you aware of any flood concerns in these communities?	BPUD has flooding issues around Stock Drive in Bridgeport.
Which of your assets are at-risk from flooding?	The lift stations at Stock Drive and South Buckeye Drive are at risk of flooding.
Is your organization involved in floodplain management? If so, how?	No

Bridgeport Public Utility District 2025–2030 Mitigation Strategy

The mitigation strategy is often seen as the heart of the plan or the community's blueprint for disaster risk reduction. Updating the mitigation strategy to reflect current conditions, vulnerabilities, and action priorities is an ongoing process to identify, analyze, and address hazards of concern. The strategy comprises goals (included in the base plan), actions, and the mitigation action plan. The goals of this plan are as follows:

- **Goal 1:** Avoid the exposure of people and improvements to unreasonable risks of damage or injury from the hazards identified in this plan.
- **Goal 2:** Keep Mono County and the Town of Mammoth Lakes a safe place to live, work, and play by reducing the risks of natural hazards through planning for safe development, increasing public awareness of the natural hazards in Mono County, and providing an integrated multiagency approach to emergency response.
- **Goal 3:** Prepare for changing climate conditions in Mono County.
- **Goal 4:** Maintain adequate emergency response capabilities.
- **Goal 5:** Build partnerships with local, state, federal, tribal, and other stakeholders to promote a whole-community approach to response, recovery, and mitigation.
- **Goal 6:** Identify, develop, and publicize evacuation routes to reduce risk from hazards like wildfire.
- **Goal 7:** Study and implement mitigation actions to address potential impacts of compounding hazards, such as floods following wildfires.
- **Goal 8:** Utilize the mitigation planning process as a call to action demonstrating the plan participants' commitment to work together toward implementing the mitigation actions identified in the plan.

Status of Previous Actions

BPUD did not participate in the last hazard mitigation plan update and therefore has no status updates to report at this time.

2025 Mitigation Action Plan

The Mitigation Action Plan outlines the mitigation measures BPUD has identified. Actions might not be completed in five years. Including long-term actions and priorities in the mitigation plan reflects a comprehensive approach to managing community resilience and reducing risk. Furthermore, it positions the plan participant to access post-disaster funding in the case of a disaster event. As funding and resources become available, BPUD will pursue the mitigation actions included in this plan. Implementing

mitigation actions like these will help save lives, protect property and livelihoods, and break the cycle of disaster damage and reconstruction.

Key components of the Mitigation Action Plan are defined as follows:

Hazards Addressed

- Earthquake/Seismic Hazards
- Energy Shortages and Energy Resiliency
- Flood

Responsible Agency

- The position, office, department, or agency responsible for implementing/administrating the identified mitigation action

Potential Funding

- Grants or local funding sources relevant to implementing the associated action

Cost Estimate

- A rough estimate of the project's cost, which may help determine which projects to pursue and when.

Timeframes

- Short-term: 1–2 years
- Medium-term: 2–5 years
- Long-term: 5+ years

Community Lifelines

Community lifelines are essential for the continuous operation of critical government and business functions and are vital for human health, safety, and economic security. They represent the most fundamental services in the community, and when they are stabilized, they enable all other aspects of society to function. The FEMA community lifelines are as follows:[1]

- **Safety and Security**: Law Enforcement/Security, Fire Service, Search and Rescue, Government Service, and Community Safety

[1] FEMA. "Community Lifelines Implementation Toolkit." https://www.fema.gov/emergency-managers/practitioners/lifelines-toolkit.

- **Food, Hydration, Shelter**: Food, Hydration, Shelter, Agriculture
- **Health and Medical**: Medical Care, Public Health, Patient Movement, Medical Supply Chain, Fatality Management
- **Energy**: Power Grid, Fuel
- **Communications**: Infrastructure, Responder Communications, Alerts, Warnings and Messages, Finance, 911, and Dispatch
- **Transportation**: Highway/Roadway/Motor Vehicle, Mass Transit, Railway, Aviation, Maritime
- **Hazardous Materials**: Facilities, HAZMAT, Pollutants, Contaminants
- **Water Systems**: Potable Water Infrastructure, Wastewater Management

Priorities

Priorities are defined by the plan participant. After considering the following evaluation criteria and the definitions, the district assigned a prioritization category of low, medium, or high to each natural hazard action item. The criteria to calculate the following priority categories (STAPLEE: Social, Technical, Administrative, Political, Legal, Economic, and Environmental) are listed in Table 17:

- **Low:** Based on one to two STAPLEE criteria, the action is feasible and important for the district but has multiple potential challenges. The action should be implemented as funding becomes available.
- **Medium:** Based on three to four STAPLEE criteria, the action is feasible and important for the district, with some potential challenges. Its implementation is less urgent than a high-priority action item and can be implemented over time.
- **High:** Based on five or more STAPLEE criteria, the action is feasible and important for the district with minimal to no concerns. It is essential for the district to implement and may be prioritized in the short term.

Table 16 shows the mitigation actions BPUD has selected for this planning cycle.

Table 16: 2025–2030 Mitigation Actions[2]

#	Project Title	Hazard Addressed	Description	Responsible Agency	Potential Partners	Potential Funding	Cost Estimate	Timeframe	Community Lifelines	Priority
1	Upgrade Water & Sewer Mains	Earthquakes	Replace ageing AC pipe infrastructure. Rebuild with seismic-resistant building materials.	BPUD Operations & Field Manager		BPUD (District fees), PA Mitigation (406)	Unsure	Long-term	Water Systems	Low
2	Obtain Backup Power	Energy Shortage and Energy Resiliency	Acquire backup power for in-line sewer grinder.	BPUD Operations & Field Manager		BPUD (District fees), HMGP, PDM	$13,000.00–$16,000.00	Short-term	Water Systems	Medium
3	Stock Dr. Lift Station Improvement	Flood	Revamp/upgrade sewer lift station to submersible pumps and relocate electrical to above ground.	BPUD Operations & Field Manager		BPUD (District fees), HMGP, PDM	Unsure	Long-term	Water Systems	Medium

[2] BPUD = the Bridgeport Public Utility District, BRIC = Building Resilient Infrastructure and Communities, HMGP = Hazard Mitigation Grant Program, PDM = Pre-Disaster Mitigation.

Mitigation Action Prioritization

BPUD considered the STAPLEE criteria when prioritizing their actions. Table 17 documents how each action was prioritized.

Table 17: STAPLEE Prioritization for Bridgeport Public Utility District

Action	Social	Technical	Administrative	Political	Legal	Economic	Environmental	Priority
1	1	3	2	2	3	3	3	Low
2	3	4	2	2	3	3	4	Medium
3	3	4	2	2	3	3	4	Medium

Plan Integration

One way to demonstrate progress in local mitigation efforts and increase the likelihood of mitigation action implementation is through plan integration. An updated mitigation plan describes how each plan participant integrated the previous plan or could integrate the prior plan into their respective planning mechanisms. Planning mechanisms refer to the governance structures used to manage local land use development and community decision-making, such as budgets, comprehensive plans, capital improvement plans, or other long-range plans, codes, and ordinances. Relevant components of hazard mitigation that could be integrated into other planning mechanisms include the following:

- The integration of the hazards to which the plan participant is vulnerable
- The data and analysis presented in the risk assessment
- The goals of the mitigation plan
- Potential projects or actions to be carried out in the future

Past Integration Efforts

BPUD did not meaningfully integrate the prior plan anywhere, as the district was not a plan participant in the prior plan.

Future Integration Opportunities

BPUD does not have any traditional plans or planning mechanisms of note, and due to the small size of the district, there is no intention to develop additional plans. However, the district may develop plans and studies for specific projects that will be used as planning mechanisms for long-term decision-making in the future. BPUD identified future plan integration opportunities, as described in Table 18.

Table 18: Future Plan Integration

Plan Name	Description	Process for Integration
Backup Generator Placement Plan	Bridgeport Public Utility District is planning the placement of backup generators for their facilities. This plan will outline when and where the Bridgeport PUD will place future generators.	Bridgeport PUD will use the updated Mono County MJHMP to think through hazards and funding options when pursuing backup generators.

Conclusion

As a public utility, the Bridgeport Public Utility District plays a critical role in maintaining public health and environmental safety by ensuring that water is safe to drink and that wastewater is properly treated to prevent contamination of local water sources. BPUD takes this role seriously and considers hazard mitigation a part of it. BPUD looks forward to incorporating the updated hazard mitigation plan into its work through project planning and grant applications.

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