

2023 Jefferson County Mitigation Actions		MITIGATION ACTION EVALUATION CRITERIA CONSIDERATIONS (+) highly effective or feasible (-) ineffective or not feasible (N) Neutral or Not applicable										TOTAL SCORE
Action #	Action	Life Safety	Property Protection	Technical	Political	Legal	Environmental	Social	Administrative	Local Champion	Other Community	
1.1.1	Jefferson County Department of Emergency Services agency to continue ongoing training with LEPC at least four times a year.	+	N	+	+	+	-	+	+	+	+	8(+) 1(-) 1(N)
1.1.2	Continue efforts to secure HazMat team for responding to hazardous materials incidents in Jefferson County.	N	+	+	+	+	+	+	N	+	+	8(+) 0(-) 2(N)
1.1.3	Examine and research cybersecurity directives, best practices, and resources from the United States Department of Homeland Security's (US DHS) Cybersecurity & Infrastructure Security Agency (CISA) to lessen the impact of a potential cybersecurity incident at the county.	N	N	+	+	+	-	+	+	+	+	7(+) 1(-) 2(N)
1.1.4	Implement any directives, best practices, and resources from CISA deemed applicable to Jefferson County.	N	+	+	+	+	-	+	+	+	+	8(+) 1(-) 1(N)
1.2.1	Reduce sanitary sewer deficiencies by installing new or additional systems.	N	+	+	+	+	+	+	N	+	+	8(+) 0(-) 2(N)
1.2.2	Reduce storm drainage deficiencies and installation of new or upgraded culverts where needed.	+	+	+	+	+	+	+	N	+	+	9(+) 0(-) 1(N)
1.3.1	Coordinate with State Police on anti-speeding and other roadway safety measures to reduce traffic accidents on I-80.	+	+	+	+	+	N	+	+	+	+	9(+) 0(-) 1(N)
1.3.2	Coordinate between county residents and utility companies on critical outage events.	N	+	+	+	N	-	+	+	+	+	7(+) 1(-) 2(N)
2.1.1	Encourage residents who own or rent structures which are at risk of flooding to buy flood insurance.	N	+	+	+	N	N	+	N	+	+	6(+) 0(-) 4(N)
2.2.1	Coordinate with the Pennsylvania Department of Transportation (PennDOT) on winter storm response.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
2.3.1	Provide warning of potential floods and other hazards using multi-media platforms.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
2.4.1	Investigate the county's potential for obtaining FEMA's HAZUS-MH program. Install HAZUS-MH if appropriate.	N	N	+	+	+	N	N	+	+	+	6(+) 0(-) 4(N)
2.5.1	Collect data on flood vulnerable structures for use in future grant applications.	N	+	+	+	+	N	N	N	+	+	6(+) 0(-) 4(N)

2.6.1	When funding becomes available, perform acquisitions, elevations, relocations, and foundation stabilizations on hazard-prone homes and commercial structures as appropriate. Provide support to jurisdictions with grant opportunities.	N	+	+	N	N	+	N	N	+	+	5(+) 0(-) 5(N)
2.6.2	Review and implement items from community floodplain ordinances related to substantial damage/substantial improvement for all jurisdictions in the next hazard mitigation plan update.	N	+	+	N	N	+	N	N	+	+	5(+) 0(-) 5(N)
2.7.1	Provide educational materials on floodproofing measures to residential and non-residential structures.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
2.8.1	Investigate structural solutions to flooding problems.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
2.8.2	Review natural space and open spaces in Jefferson County, including emergent wetlands and forested wetlands, for their use in flood control and prevention.	N	N	+	+	+	+	+	+	+	+	8(+) 0(-) 2(N)
3.1.1	Provide information for all hazards in a variety of media methods for education and outreach to residents, visitors, and other stakeholders in the county.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
3.1.2	Increase public warning capabilities for all weather hazards.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
3.1.3	Issue county-wide advisory water usage guidelines during times of drought and supply drought information to the public (brochures, news releases, etc.).	N	N	+	+	+	+	+	+	+	+	8(+) 0(-) 2(N)
3.1.4	Issue county-wide advisory burn bans during drought periods when wildfire risks are highest and supply wildfire information to the public (brochures, news releases, etc.).	N	+	+	+	+	+	+	+	+	+	9(+) 0(-) 1(N)
3.1.5	Implement the change in the domain for the Jefferson County website from a .com to a .gov web address for secure access.	N	N	+	+	+	-	+	+	+	+	7(+) 1(-) 2(N)
3.2.1	Obtain literature (brochures and pamphlets) concerning hazards and distribute in public buildings to conduct education and outreach to all stakeholders in the community.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
3.3.1	Provide awareness and educational materials on the National Flood Insurance Program to residents obtaining permits for new or updates to construction projects and all stakeholders.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
3.4.1	Encourage, support, and provide training throughout the county to emergency responders and emergency management coordinators.	+	+	+	+	+	-	+	N	+	+	8(+) 1(-) 1(N)
3.5.1	The Jefferson County local planning team will work with human services in Jefferson County and the Jefferson County Area Agency on Aging to identify socially vulnerable populations and present those communities with planning items.	+	+	+	+	+	N	+	N	+	+	8(+) 0(-) 2(N)

3.5.2	Update the Jefferson County local planning team with stakeholders involved in outreach to socially vulnerable populations, including those identified in the action 3.5.1.	+	+	+	+	+	N	+	N	+	+	8(+) 0(-) 2(N)
3.5.3	Provide hard copies of hazard mitigation plan documents during annual reviews and future HMP development to government facilities and media locations, to facilitate access for socially vulnerable populations.	+	+	+	+	+	N	+	N	+	+	8(+) 0(-) 2(N)
3.5.4	Develop multilingual hazard mitigation plan public notices in languages including Spanish to enhance accessibility for those whose primary language is not English.	+	+	+	+	+	N	+	N	+	+	8(+) 0(-) 2(N)
4.1.1	Continue to use social media platforms to communicate between the Department of Emergency Services and the public on education and awareness of all hazards.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
4.1.2	Continue to research, implement, and/or upgrade communication methods between the Department of Emergency Services and the county's emergency responders.	+	N	+	+	+	-	+	+	+	+	8(+) 1(-) 1(N)
4.2.1	Coordinate with county GIS department for disaster planning, analysis during a disaster event, or mapping assistance data collection for grants.	N	N	+	+	+	N	+	+	+	+	7(+) 0(-) 3(N)
4.2.2	Coordinate with GIS and historic preservation staff to develop mitigation projects for historic properties in Jefferson County.	N	N	+	+	+	N	+	+	+	+	7(+) 0(-) 3(N)
4.2.3	Continue to implement projects using Jefferson County Soil and Water Conservation District current programs to protect the functions of natural resources.	N	N	+	+	+	+	+	+	+	+	8(+) 0(-) 2(N)
5.1.1	Provide educational pamphlets about the HHPD program to municipalities and county residents.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
5.2.1	Provide education to municipalities and county residents on reducing long-term vulnerabilities to dam and levee failure.	+	+	+	+	+	+	+	+	+	+	10(+) 0(-) 0(N)
5.2.2	Ensure collaboration with both public and private dam owners, to ensure that their input is included in the local planning team, and the planning process in general for high-hazard potential dams.	+	+	+	+	+	+	+	N	+	+	9(+) 0(-) 1(N)
5.2.3	Research the feasibility of installing flood protection measures in areas around Jefferson County that would be adversely impacted by flooding from a high-hazard potential dam failure, including natural spaces, local parks, and outdoor areas.	N	+	+	+	+	+	+	N	+	+	8(+) 2(N) 0(-)
5.2.4	If funding becomes available, perform acquisitions, elevations, relocations, and foundation stabilization on homes and structures within areas of potential impact from a failure of a high-hazard potential dam in Jefferson County.	+	+	+	N	N	+	N	N	+	+	6(+) 4(N) 0(-)

5.3.1	Identify locations within Jefferson County that could be impacted by dam and levee failure.	+	+	+	+	+	+	+	N	+	+	9(+) 0(-) 1(N)
5.3.2	Obtain additional operation, maintenance, inspection, height, length, and level of protection information for levees in Jefferson County for the next hazard mitigation plan update.	N	+	+	+	+	+	+	N	+	+	8(+) 0(-) 2(N)

2023 Jefferson County Mitigation Actions		Multi-objective mitigation action prioritization criteria					Priority
Action #	Action	Effectiveness	Efficiency	Multi-Hazard Mitigation	Addresses High Risk Hazard	Addresses Critical Communications/ Critical Infrastructure	
1.1.1	Jefferson County Department of Emergency Services agency to continue ongoing training with LEPC at least four times a year.	1	3	1	2	1	1.75
1.1.2	Continue efforts to secure HazMat team for responding to hazardous materials incidents in Jefferson County.	2	2	1	1	1	1.5
1.1.3	Examine and research cybersecurity directives, best practices, and resources from the United States Department of Homeland Security's (US DHS) Cybersecurity & Infrastructure Security Agency (CISA) to lessen the impact of a potential cybersecurity incident at the county.	1	3	1	1	3	1.9
1.1.4	Implement any directives, best practices, and resources from CISA deemed applicable to Jefferson County.	1	3	1	1	3	1.9
1.2.1	Reduce sanitary sewer deficiencies by installing new or additional systems.	3	2	1	1	1	1.7
1.2.2	Reduce storm drainage deficiencies and installation of new or upgraded culverts where needed.	3	2	1	1	1	1.7
1.3.1	Coordinate with State Police on anti-speeding and other roadway safety measures to reduce traffic accidents on I-80.	2	3	1	1	3	2.1
1.3.2	Coordinate between county residents and utility companies on critical outage events.	2	3	1	3	3	2.4
2.1.1	Encourage residents who own or rent structures which are at risk of flooding to buy flood insurance.	3	2	1	1	1	1.7
2.2.1	Coordinate with the Pennsylvania Department of Transportation (PennDOT) on winter storm response.	2	3	1	3	3	2.4
2.3.1	Provide warning of potential floods and other hazards using multi-media platforms.	3	3	3	1	1	2.4
2.4.1	Investigate the county's potential for obtaining FEMA's HAZUS-MH program. Install HAZUS-MH if appropriate.	1	2	2	1	1	1.5
2.5.1	Collect data on flood vulnerable structures for use in future grant applications.	2	2	1	1	1	1.5
2.6.1	When funding becomes available, perform acquisitions, elevations, relocations, and foundation stabilizations on hazard-prone homes and commercial structures as appropriate. Provide support to jurisdictions with grant opportunities.	3	1	1	1	1	1.4

2.6.2	Review and implement items from community floodplain ordinances related to substantial damage/substantial improvement for all jurisdictions in the next hazard mitigation plan update.	3	2	2	3	2	2.35
2.7.1	Provide educational materials on floodproofing measures to residential and non-residential structures.	3	2	1	1	1	1.7
2.8.1	Investigate structural solutions to flooding problems.	3	3	1	1	1	2
2.8.2	Review natural space and open spaces in Jefferson County, including emergent wetlands and forested wetlands, for their use in flood control and prevention.	2	3	2	1	1	2
3.1.1	Provide information for all hazards in a variety of media methods for education and outreach to residents, visitors, and other stakeholders in the county.	2	2	3	2	1	2.05
3.1.2	Increase public warning capabilities for all weather hazards.	3	2	3	2	2	2.4
3.1.3	Issue county-wide advisory water usage guidelines during times of drought and supply drought information to the public (brochures, news releases, etc.).	1	3	1	1	1	1.6
3.1.4	Issue county-wide advisory burn bans during drought periods when wildfire risks are highest and supply wildfire information to the public (brochures, news releases, etc.)	2	3	1	1	1	1.8
3.1.5	Implement the change in the domain for the Jefferson County website from a .com to a .gov web address for secure access.	1	3	1	1	3	1.9
3.2.1	Obtain literature (brochures and pamphlets) concerning hazards and distribute in public buildings to conduct education and outreach to all stakeholders in the community.	3	2	3	2	2	2.4
3.3.1	Provide awareness and educational materials on the National Flood Insurance Program to residents obtaining permits for new or updates to construction projects and all stakeholders.	2	2	1	2	1	1.65
3.4.1	Encourage, support, and provide training throughout the county to emergency responders and emergency management coordinators.	2	3	3	3	1	2.5
3.5.1	The Jefferson County local planning team will work with human services in Jefferson County and the Jefferson County Area Agency on Aging to identify socially vulnerable populations and present those communities with planning items.	3	3	3	3	1	2.7
3.5.2	Update the Jefferson County local planning team with stakeholders involved in outreach to socially vulnerable populations, including those identified in the action 3.5.1.	3	3	3	3	1	2.7
3.5.3	Provide hard copies of hazard mitigation plan documents during annual reviews and future HMP development to government facilities and media locations, to facilitate access for socially vulnerable populations.	3	3	3	3	1	2.7

3.5.4	Develop multilingual hazard mitigation plan public notices in languages including Spanish to enhance accessibility for those whose primary language is not English.	3	3	3	3	1	2.7
4.1.1	Continue to use social media platforms to communicate between the Department of Emergency Services and the public on education and awareness of all hazards.	3	3	3	2	1	2.55
4.1.2	Continue to research, implement, and/or upgrade communication methods between the Department of Emergency Services and the county's emergency responders.	2	2	3	3	1	2.2
4.2.1	Coordinate with county GIS department for disaster planning, analysis during a disaster event, or mapping assistance data collection for grants.	2	3	3	1	1	2.2
4.2.2	Coordinate with GIS and historic preservation staff to develop mitigation projects for historic properties in Jefferson County.	2	3	3	1	1	2.2
4.2.3	Continue to implement projects using Jefferson County Soil and Water Conservation District current programs to protect the functions of natural resources.	1	2	2	1	1	1.5
5.1.1	Provide educational pamphlets about the HHPD program to municipalities and county residents.	3	2	1	1	1	1.7
5.2.1	Provide education to municipalities and county residents on reducing long-term vulnerabilities to dam and levee failure.	3	3	1	1	3	2.3
5.2.2	Ensure collaboration with both public and private dam owners, to ensure that their input is included in the local planning team, and the planning process in general for high-hazard potential dams.	3	3	1	1	3	2.3
5.2.3	Research the feasibility of installing flood protection measures in areas around Jefferson County that would be adversely impacted by flooding from a high-hazard potential dam failure, including natural spaces, local parks, and outdoor areas.	3	2	2	1	3	2.2
5.2.4	If funding becomes available, perform acquisitions, elevations, relocations, and foundation stabilization on homes and structures within areas of potential impact from a failure of a high-hazard potential dam in Jefferson County.	3	2	2	1	3	2.2
5.3.1	Identify locations within Jefferson County that could be impacted by dam and levee failure.	3	3	1	1	1	2
5.3.2	Obtain additional operation, maintenance, inspection, height, length, and level of protection information for levees in Jefferson County for the next hazard mitigation plan update.	2	3	1	1	1	1.8