

MEMO TO CITY COUNCIL

Request to Include Topic on the City Council Agenda

From: Jason Korn, Public Works **Meeting Date:** 11/1/2022

Presenter: Jason Korn **Estimated Time:** 10 Min

Topic: Discussion of Resolution accepting all of Volume 1 and the Meridian annex of volume

2 within the 2022 Ada County Multi-Hazard Mitigation Plan

Recommended Council Action:

Approve Resolution adopting Volume 1 and the City of Meridian annex of the 2022 Ada County Multi-Hazard Mitigation Plan.

Background:

Hazard Mitigation Planning for the Ada County Planning Area:

In June 2021, a coalition of Ada County planning partners embarked on a planning process to prepare for and lessen the impacts of specified natural hazards. Responding to federal mandates in the Disaster Mitigation Act of 2000, the partnership was formed to pool resources and create a uniform hazard mitigation strategy that can be consistently applied to the defined planning area and used to ensure eligibility for specified grant funding sources.

The 21-member planning partnership that completed this plan update process includes

- Ada County (Unincorporated)
- City of Boise
- City of Eagle
- City of Garden City
- City of Kuna
- City of Meridian
- City of Star
- Ada County Highway District

- Eagle Fire District
- Eagle Sewer District
- Eagle Urban Renewal Agency
- Flood Control District #10
- Greater Boise Auditorium District
- Independent School District of Boise
- Joint School District #2
- Kuna Rural Fire Protection District

- Meridian Development Corporation
- North Ada Co. Fire and Rescue
- Star Joint Fire Protection District
- Star Sewer District
- Whitney Fire Protection District

The planning area for the hazard mitigation plan encompasses all of Ada County. The result of the organizational efforts has been to produce a Federal Emergency Management Agency (FEMA) and the Idaho Office of Emergency Management (IOEM) approved multi-agency multi-hazard mitigation plan.

The hazard identification and profiling in the hazard mitigation plan addresses the following natural hazards considered to be of significant importance within the Ada County planning area:

- Dam/canal failure
- Drought
- Earthquake
- Extreme Weather

- Flood
- Landslide
- Volcano (ash fall)
- Wildfire

Ada County Emergency Management & Community Resilience (EMCR) secured funding for developing the hazard mitigation plan and was the lead coordinating agency for this multi-jurisdictional effort. All participating local jurisdictions have been responsible for assisting in the development of the hazard and vulnerability assessments and the mitigation action strategies for their respective jurisdictions and organizations. Meridian's hazard mitigation planning team consists of members from Fire, Planning and Public Works.

The overall plan update process was overseen by a 19-member, stakeholder Steering Committee with Meridian represented by Jason Korn. In addition, residents were asked to contribute by sharing local knowledge of their individual area's vulnerability to natural hazards based on past occurrences. Public involvement has been solicited via a multi-media campaign that included public meetings, web-based information, questionnaires, and progress updates via the news media.

NEXT STEPS

Why adopt this Plan?

Once the hazard mitigation plan has been approved by IOEM and FEMA and adopted by all of the jurisdictional partners, the partnership will collectively and individually become eligible to apply for hazard mitigation project funding from the suite of grant programs under FEMA's Hazard Mitigation Assistance (HMA) program. The Plan needs to be adopted as the final step in the process.

Where do we go from here?

Meridian will need to adopt Volume 1 and respective annex by resolution to be eligible to apply for funding sources including grants. Grant funds are made available to local governments and states and can be used to implement the various hazard mitigation measures specified in the respective annexes. Meridian currently has a grant application under review for Ninemile Creek Mitigation. Due to the previous plan being expired, the Ninemile Creek application received an extraordinary circumstances extension to remain eligible as long as the new plan is adopted according to schedule.

The Hazard Mitigation Plan is considered a living document, such that as awareness of additional hazards develop and new strategies and projects are conceived to offset or prevent loss due to natural hazards, the Plan will be evaluated and revised on an annual basis during the 5 year plan timeframe.

Attachments:

- Ada County Multi-Hazard Mitigation Plan Volume 2, Meridian Annex
- Resolution

Link: Ada County Multi-Hazard Mitigation Plan Volume 1 https://adacounty.id.gov/emergencymanagement/wp-content/uploads/sites/39/2022-07 AdaCoHazMitPlanVol1 PublicReviewDraft.pdf

6. CITY OF MERIDIAN

6.1 LOCAL HAZARD MITIGATION PLANNING TEAM

Primary Point of Contact

Jason Korn, Environmental Programs Coordinator 33 E Broadway Ave Meridian, ID 83642 Telephone: 208-489-0364

e-mail Address: jkorn@meridiancity.org

Alternate Point of Contact

Joanna Hopson, Business Programs Manager 33 E Broadway Ave Meridian, ID 83702 Telephone: 208-898-5500

e-mail Address: jhopson@meridiancity.org

This annex was developed by the local hazard mitigation planning team, whose members are listed in Table 6-1.

| Table 6-1. Local Hazard Mitigation Planning Team Members | | | |
|--|------------------------------------|--|--|
| Name | Title | | |
| Caleb Hood | Planning Division Manager | | |
| Joe Bongiorno | Deputy Chief | | |
| Jason Korn | Environmental Programs Coordinator | | |
| Joanna Hopson | Business Programs Coordinator | | |

6.2 JURISDICTION PROFILE

6.2.1 Location and Features

Meridian is not only geographically located in the center of the Treasure Valley, but it also is the population center of the Treasure Valley; people are evenly distributed in all directions from Meridian. Downtown Meridian is approximately 10 miles from the heart of Boise.

Meridian is favored by a mild, arid climate. July is the hottest month, with the average high temperature of 90° F. January is the coldest month with an average low temperature of 22° F. The normal precipitation pattern in the Meridian area shows a winter high of 1.2 inches of precipitation per month and a very pronounced summer low of about 0.1 inches. Typically, there are 12 inches of annual precipitation.

6.2.2 History

The City of Meridian was incorporated in August 1903. Meridian has transformed from a sagebrush-filled mail drop located on the Oregon Trail in the 1880s, to a small fruit orchard center after the turn of the century through the 1930s, to a dairy-based farming community in the 1940s. Meridian is named for Idaho's principle meridian

used for the initial survey of the state which coincides with Meridian Road at the center of the City. Its character as a small farming community continued until approximately 1990, when its population was still about 10,000.

6.2.3 Governing Body Format

Meridian uses the Mayor-Council form of local government. In Meridian, the Council, which includes the Mayor, possesses both legislative and executive authority. Departments include: City Clerk, Community Development, Finance, Fire, Human Resources, Legal, Mayor's Office, Parks & Recreation, Police, and Public Works.

The City Council is responsible for the adoption of this plan, City Departments are responsible for its implementation.

6.3 CURRENT TRENDS

6.3.1 Population

According to COMPASS, the population of the City of Meridian as of April 2022 was 133,470. Since 2017, the population has grown at an average annual rate of 7.2 percent.

6.3.2 Development

As of November 2021, single family housing is the predominant development in Meridian, accounting for 82% of all dwelling units. Additionally, at the end of 2021, Meridian provided 21% of available jobs in Ada County, or 53,035. Meridian seeks to offer a diversity of housing products, create strong and sustainable jobs, improve infrastructure, and support diversified modes of transportation.

Identifying previous and future development trends is achieved through a comprehensive review of permitting since completion of the previous plan and in anticipation of future development. Tracking previous and future growth in potential hazard areas provides an overview of increased exposure to a hazard within a community. Table 6-2 summarizes development trends in the performance period since the preparation of the previous hazard mitigation plan, as well as expected future development trends.

| Table 6-2. Recent and | Expected Future Development Trends | |
|---|--|---|
| Criterion | | Response |
| Has your jurisdiction annexed any land since the prepart yes, give the estimated area annexed and estimated number of parcels or structures. | | Yes |
| Is your jurisdiction expected to annex any areas during If yes, describe land areas and dominant uses. If yes, who currently has permitting authority over these areas? | the performance period of this plan? Agricultural Ada County | Yes |
| Are any areas targeted for development or major redevelopment in the next five years? If yes, briefly describe, including whether any of the areas are in known hazard risk areas West Meridian including the Fields Area west of McDermott (no south of Chinden. This area includes Tenmile and Fivemile Cre South East Meridian south of Amity and generally north of Colubetween Eagle and Meridian roads. No known hazard risk area Meridian, south of I-84 west of Tenmile Rd. No know hazard risk | | eek SFHA. ´ umbia, as. South West |

6-2 TETRA TECH

| Criterion | | | | | Res | ponse |
|---|--|------|------|------|------|-------|
| How many permits for new construction were issued | | 2016 | 2017 | 2018 | 2019 | 2020 |
| in your jurisdiction since the preparation of the | Single Family | 1368 | 1428 | 1812 | 2109 | 1867 |
| previous hazard mitigation plan? | Multi-Family | 45 | 86 | 110 | 104 | 111 |
| | Other | 66 | 79 | 79 | 110 | 52 |
| | Total | 1569 | 1692 | 2171 | 2273 | 2076 |
| Provide the number of new-construction permits for each hazard area or provide a qualitative description of where development has occurred. | Special Flood Hazard Areas: 5 new structures since 2016. 1 Mobile Home and 4 Commercial buildings all elevated above BFE. Development on Ninemile, Eightmile and Fivemile Creek floodplains. Landslide: 0 High Liquefaction Areas: 0 Wildfire Risk Areas: 0 | | | | | |
| Describe the level of buildout in the jurisdiction, based on your jurisdiction's buildable lands inventory. If no such inventory exists, provide a qualitative description. | | | | | | |

6.4 CAPABILITY ASSESSMENT

This section describes an assessment of existing capabilities for implementing hazard mitigation strategies. The introduction at the beginning of this volume of the hazard mitigation plan describes the components included in the capability assessment and their significance for hazard mitigation planning.

Findings of the capability assessment were reviewed to identify opportunities to expand, initiate or integrate capabilities to further hazard mitigation goals and objectives. Where such opportunities were identified and determined to be feasible, they are included in the action plan. The "Analysis of Mitigation Actions" table in this annex identifies these as community capacity building mitigation actions. The findings of the assessment are presented as follows:

- An assessment of planning and regulatory capabilities is presented in Table 6-3.
- Development and permitting capabilities are presented in Table 6-4.
- An assessment of fiscal capabilities is presented in Table 6-5.
- An assessment of administrative and technical capabilities is presented in Table 6-6.
- An assessment of education and outreach capabilities is presented in Table 6-7.
- Information on National Flood Insurance Program (NFIP) compliance is presented in Table 6-8.
- Classifications under various community mitigation programs are presented in Table 6-9.

| Table 6-3. Planning a | and Regulator | | | |
|---|--------------------|------------------------------|-------------------|--------------------------|
| | Local Authority | Other Jurisdiction Authority | State Mandated | Integration Opportunity? |
| Codes, Ordinances, & Requirements | | | | |
| Building Code | Yes | No | Yes | No |
| Comment: Comment: Meridian City Code Title 10, Chapter 1; A | dopted 1/12 202 | 20; Ord. #20-1905 | | |
| Zoning Code | Yes | No | No | No |
| Comment: Comment: Meridian City Code Title 11, Chapter 2; Ac | dopted 7/8/2008; | Ord. #08-1372 | | |
| Subdivisions | Yes | No | No | No |
| Comment: Comment: Meridian City Code Title 11, Chapter 6; Ac | dopted 7/8/2008; | Ord. #08-1372 | | |
| Stormwater Management | No | Yes | No | No |
| Comment: ACHD owns and operates storm drain sys Grading and Drainage Standards. | tem on public ro | adways. City of Meridia | n Design Stan | dards Section 7, |
| Post-Disaster Recovery | No | No | No | No |
| Comment: | | 1 | | |
| Real Estate Disclosure | No | No | No | No |
| Comment: | | | | |
| Growth Management | Yes | No | No | No |
| Comment: City of Meridian Comprehensive Plan; Add | opted 12/17/201 | 9; Resolution #19-2179 | | |
| Site Plan Review | Yes | No | No | No |
| Comment: Multiple City Ordinances and Departments | S. | | | |
| Environmental Protection | Yes | No | No | No |
| Comment: Multiple City Ordinances and Departments | | | | |
| Flood Damage Prevention | Yes | No | No | No |
| Comment: Meridian City Code Title 10, Chapter 6; Ac | dopted 5/12/2020 | 0; Ord. #20-1879 | | |
| Emergency Management | Yes | Yes | No | Yes |
| Comment: Emergency Management for the City of M through the EMCR Board as well as representation or | | | EM. Meridian p | articipates |
| Climate Change | No | No | No | No |
| Comment: | | | | |
| Planning Documents | | | | |
| General Plan | Yes | No | No | Yes |
| Is the plan equipped to provide linkage to this No mitigation plan? Comment: City of Meridian Comprehensive Plan; Adopted 12/17/ | /2010: Resolutio | n #10_2170 | | |
| Capital Improvement Plan | Yes | No | No | No |
| How often is the plan updated? Every year, 10-year time frame | | INU | INU | INU |
| Comment: Capital Improvement Plan has been integrated into Co | | inancial Plan for FY23-F | -Y32 | |
| Disaster Debris Management Plan | No | Yes | No | Yes |
| Comment: Draft Debris Management Annex awaiting adoption in | | | | |
| Floodplain or Watershed Plan | Yes | No | No | Yes |
| Comment: The 2022 Ada County Multi-Hazard Mitigation Plan que completion and adoption | | | | |
| Stormwater Plan | No | Yes | No | No |
| Comment: ACHD owns and operates storm drain system on public Property runoff managed by City of Meridian Design S | | | | |
| Urban Water Management Plan Comment: | No | No | No | No |
| Habitat Conservation Plan Comment: | No | No | No | No |

6-4 TETRA TECH

| | Local Authority | Other Jurisdiction Authority | State Mandated | Integration Opportunity? |
|---|--------------------|---------------------------------|-------------------|--------------------------|
| Economic Development Plan | Yes | Yes | No | No |
| Comment: Meridian has economic development staff and an Urba development plans for various districts including those | | | ment Corp. (MD | OC). MDC has |
| Shoreline Management Plan | No | No | No | No |
| Comment: | | | | |
| Community Wildfire Protection Plan | No | No | No | No |
| Comment: | | | | |
| Forest Management Plan | No | No | No | No |
| Comment: | | | | |
| Climate Action Plan | Yes | No | No | No |
| Comment: | | | | |
| Comprehensive Emergency Management Plan | Yes | Yes | No | No |
| Comment: The City has adopted a Comprehensive Emergency C | perations Plan ι | utilizing Emergency Su | pport Functions | |
| Threat & Hazard Identification & Risk Assessment (THIRA) | No | Yes | No | No |
| Comment: Ada County THIRA – September 2018 | | | | |
| Post-Disaster Recovery Plan | No | No | No | No |
| Comment: | | | | |
| Continuity of Operations Plan | Yes | No | No | No |
| Comment: Individual Departments have updated COOP plans 20 | 21 | | | |
| Public Health Plan | No | Yes | No | No |
| Comment: Central District Health Department Emergency Operate planning via the ACCESS EMS system. | tions Plan, 2020. | . Fire Department does | have input on I | Public Health |

| Table 6-4. Development and Permitting Capability | | | | |
|---|--|--|--|--|
| Criterion Response | | | | |
| Does your jurisdiction issue development permits? Yes | | | | |
| If no, who does? If yes, which department? Community Development, Building Services | | | | |
| Does your jurisdiction have the ability to track permits by hazard area? Yes | | | | |
| Does your jurisdiction have a buildable lands inventory? | | | | |

| Table 6-5. Fiscal Capability | | | |
|--|--------------------------------|--|--|
| Financial Resource | Accessible or Eligible to Use? | | |
| Community Development Block Grants | Yes | | |
| Capital Improvements Project Funding | Yes | | |
| Authority to Levy Taxes for Specific Purposes | Yes | | |
| User Fees for Water, Sewer, Gas or Electric Service | Yes | | |
| If yes, specify: Water and sewer utilities | | | |
| Incur Debt through General Obligation Bonds | No | | |
| Incur Debt through Special Tax Bonds | No | | |
| Incur Debt through Private Activity Bonds | No | | |
| Withhold Public Expenditures in Hazard-Prone Areas | Yes | | |
| State-Sponsored Grant Programs | Yes | | |
| Development Impact Fees for Homebuyers or Developers | Yes | | |

| Table 6-6. Administrative and Technical Capability | | | |
|--|--|------------|--|
| Staff/Personnel Resource | | Available? | |
| Planners or engineers with kn | owledge of land development and land management practices | Yes | |
| If Yes, Department /Position: | Community Development, Public Works; several positions | | |
| Engineers or professionals tra | nined in building or infrastructure construction practices | Yes | |
| If Yes, Department /Position: | Community Development, Public Works; several positions | | |
| Planners or engineers with an | understanding of natural hazards | Yes | |
| If Yes, Department /Position: | Community Development, Public Works; several positions | | |
| Staff with training in benefit/co | ost analysis | Yes | |
| If Yes, Department /Position: | Community Development, Public Works; several positions | | |
| Surveyors | | No | |
| Personnel skilled or trained in | GIS applications | Yes | |
| If Yes, Department /Position: | Information Technology, Community Development, Public Works, several positions | | |
| Scientist familiar with natural | hazards in local area | No | |
| If Yes, Department /Position: | Planning partners available through universities and Idaho Department of Homeland Secu | rity | |
| Emergency manager | | No | |
| If Yes, Department /Position: | No dedicated Emergency Manager for the City of Meridian. | | |
| Grant writers | | Yes | |
| If Yes, Department /Position: | Ability to contract for service | | |

| | TILLOT 51 10 1 10 1 17 | | |
|--|---|--|--|
| | Table 6-7. Education and Outreach Capability | | |
| Criterion | | Response | |
| Do you have a public inf | formation officer or communications office? | Yes – Mayor's Office Communications Manager | |
| Do you have personnel | skilled or trained in website development? | Yes – Information Technology | |
| - | igation information available on your website? Links to Ada County Mitigation websites | Yes | |
| <u> </u> | a for hazard mitigation education and outreach? Flood Safety Awareness Week posts | Yes | |
| Do you have any citizen If yes, briefly describe: | boards or commissions that address issues related to hazard mitigation? | No | |
| Do you have any other p information? | programs in place that could be used to communicate hazard-related | Yes | |
| If yes, briefly describe: | Annual CRS mailings to property owners in floodplain, Social Media and in personal Public Works Week. | on outreach events such as | |
| Do you have any establi | shed warning systems for hazard events? | Yes | |
| If yes, briefly describe: Code Red – residents may sign up to receive emergency notifications and critical community alerts. Ada County EMCR developed a Joint Information System Plan that delineates the processes with developing a regional joint information system and center for coordinating public information messaging. | | | |

6-6 TETRA TECH

| Table 6-8. National Flood Insurance Program Compliance | | | |
|--|---|--|--|
| Criterion | Response | | |
| What local department is responsible for floodplain management? | Community Development, Public Works | | |
| Who is your floodplain administrator? (department/position) | Public Works; City Engineer or Appointee | | |
| Are any certified floodplain managers on staff in your jurisdiction? | Yes | | |
| What is the date that your flood damage prevention ordinance was last amended? | 5/12/2020 | | |
| Does your floodplain management program meet or exceed minimum requirements? If exceeds, in what ways? Several (Low Floor 2' freeboard, Crawlspace 1' freeboard, added | Exceed d buffer of mapped boundaries, etc.) | | |
| When was the most recent Community Assistance Visit or Community Assistance Contact? | 11/6/2017 | | |
| Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? | No | | |
| Are any RiskMAP projects currently underway in your jurisdiction? | No | | |
| Do your flood hazard maps adequately address the flood risk within your jurisdiction? Many Zone A hazard areas remain on Tenmile Creek and Fivemile Creek that require additional analysis. Many areas are mis-aligned and far from the actual waterway channel. | No | | |
| Does your floodplain management staff need any assistance or training to support its floodplain management program? Need ongoing training for CFM certification and cross training backup floodplain management staff | Yes | | |
| Does your jurisdiction participate in the Community Rating System (CRS)? If yes, is your jurisdiction interested in improving its CRS Classification? No | Yes | | |
| How many flood insurance policies are in force in your jurisdiction? ^a What is the insurance in force? \$32,569,900 What is the premium in force? \$87,637 | 120 | | |
| How many total loss claims have been filed in your jurisdiction? ^a What were the total payments for losses? \$- | 1 | | |

| Table 6-9. Comr | munity Classificati | ons | |
|-----------------|---------------------|----------------|--|
| | Participating? | Classification | |

| | Participating? | Classification | Date Classified |
|--|----------------|----------------|-----------------|
| FIPS Code | Yes | 1600152120 | N/A |
| DUNS# | Yes | 028451367 | N/A |
| Community Rating System | Yes | 8 | 7/25/2016 |
| Building Code Effectiveness Grading Schedule | Yes | 5 | 10/19/2020 |
| Public Protection | Yes | ISO Class 3 | 2020 |
| Storm Ready | Yes | Blue | N/A |
| Firewise | No | N/A | N/A |

6.5 INTEGRATION REVIEW

According to FEMA statistics as of March 31, 2022

For hazard mitigation planning, "integration" means that hazard mitigation information is used in other relevant planning mechanisms, such as general planning and capital facilities planning, and that relevant information from those sources is used in hazard mitigation. This section identifies where such integration is already in place, and where there are opportunities for further integration in the future. Resources listed at the end of this annex were used to provide information on integration. The progress reporting process described in Volume 1 of the hazard

mitigation plan will document the progress of hazard mitigation actions related to integration and identify new opportunities for integration.

6.5.1 Existing Integration

Some level of integration has already been established between local hazard mitigation planning and the following other local plans and programs:

- City of Meridian Comprehensive Plan—The Comprehensive Plan for Meridian currently includes mitigation related policies as they related to the protection of human life and property from flood events. Additionally, the Comprehensive plan addresses the need for natural resource protection and the identification of known hazards within the County.
- **Meridian Flood Damage Prevention Ordinance**—Ordinance integrates with Ada County Multi-Hazard Mitigation Plan goals and objectives.
- COOP The COOP plan for the City of Meridian was completed in 2012 and adopted by City Council.

6.5.2 Opportunities for Future Integration

The capability assessment presented in this annex indicates opportunities to integrate this mitigation plan with other jurisdictional planning/regulatory capabilities. Capabilities were identified as integration opportunities if they can support or enhance the actions identified in this plan or be supported or enhanced by components of this plan. The capability assessment identified the following plans and programs that do not currently integrate hazard mitigation information but provide opportunities to do so in the future:

- Comprehensive Plan Existing Conditions Report (ECR)—Integrate mitigation plan risk assessment into hazardous areas section and reference mitigation actions in specific hazard sections.
- Comprehensive Financial Plan (CFP)—Mitigation may be funded, in part, through the City CFP plan and if grant funds are awarded for mitigation they need to be programmed into the CFP.

Taking action to integrate each of these programs with the hazard mitigation plan was considered as a mitigation action to include in the action plan in this annex.

6.6 RISK ASSESSMENT

6.6.1 Jurisdiction-Specific Natural Hazard Event History

Table 6-10 lists past occurrences of natural hazards for which specific damage was recorded in this jurisdiction Other hazard events that broadly affected the entire planning area, including this jurisdiction, are listed in the risk assessments in Volume 1 of this hazard mitigation plan.

6.6.2 Hazard Risk Ranking

Table 6-11 presents a local ranking of all hazards of concern for which this hazard mitigation plan provides complete risk assessments. As described in detail in Volume 1, the ranking process involves an assessment of the likelihood of occurrence for each hazard, along with its potential impacts on people, property and the economy. Mitigation actions target hazards with high and medium rankings.

6-8 TETRA TECH

| Table 6-10. Past Natural Hazard Events | | | | | | | |
|--|-----------------|-----------|---|--|--|--|--|
| Type of Event | FEMA Disaster # | Date | Damage Assessment | | | | |
| Thunderstorm/Microburst | N/A | 6/22/2021 | Tree broken in half due to thunderstorm outflow winds. Estimated 60MPH wind gusts | | | | |
| Cloudburst Rain Event | N/A | Sept 2013 | Unknown | | | | |
| Cloudburst Rain Events | N/A | Aug 2010 | Unknown | | | | |
| Wildfires | N/A | Sept 2000 | Unknown | | | | |
| Rain & Flooding | N/A | Dec 1964 | Unknown | | | | |

| Table 6-11. Hazard Risk Ranking | | | | | | |
|---------------------------------|-------------------|--------------------|---------------|--|--|--|
| Rank | Hazard | Risk Ranking Score | Risk Category | | | |
| 1 | Extreme Weather | 33 | High | | | |
| 2 | Flood | 18 | Medium | | | |
| 3 | Earthquake | 16 | Medium | | | |
| 4 | Drought | 9 | Low | | | |
| 5 | Dam/Canal Failure | 6 | Low | | | |
| 6 | Landslide | 6 | Low | | | |
| 7 | Volcano | 6 | Low | | | |
| 8 | Wildfire | 0 | Low | | | |

6.6.3 Jurisdiction-Specific Vulnerabilities

Volume 1 of this hazard mitigation plan provides complete risk assessments for each identified hazard of concern. This section provides information on a few key vulnerabilities for this jurisdiction. Available jurisdiction-specific risk maps of the hazards are provided at the end of this annex.

Repetitive Loss Properties

Repetitive loss records are as follows:

- Number of FEMA-identified Repetitive-Loss Properties: 0
- Number of FEMA-identified Severe-Repetitive-Loss Properties: 0
- Number of Repetitive-Loss Properties or Severe-Repetitive-Loss Properties that have been mitigated: N/A

Other Noted Vulnerabilities

The following jurisdiction-specific issues have been identified based on a review of the results of the risk assessment, public involvement strategy, and other available resources:

• Canal failure is a potential vulnerability. Refer to local irrigation districts for vulnerability assessments.

Mitigation actions addressing these issues were prioritized for consideration in the action plan in this annex.

6.7 STATUS OF PREVIOUS PLAN ACTIONS

Table 6-12 summarizes the actions that were recommended in the previous version of the hazard mitigation plan and their implementation status at the time this update was prepared.

| Action Item from Previous Plan Action M-1—Conduct a survey of water, sewer, fire, and police infrastructure including power generation equipment, wastewater treatment plant facilities, communications, and Supervisory Control and Data Acquisition (SCADA) equipment to analyze vulnerability to severe weather and earthquake, then design and execute improvements to mitigate. Comment: Wastewater treatment plant installed new switch for backup generator and has underground in 2021. Added new item to address backup power availability at Action M-2—Become a "Firewise Community" Comment: Becoming a Firewise community is still a goal of the Meridian Fire Department areas. Action M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Comment: City of Meridian maintains good standing under the NFIP and continues to enforthrough floodplain administration program. | other critical | l facilities. | Check if Yes | Dydate Action # in Update |
|--|-----------------|--------------------------------------|-----------------|---------------------------|
| Action M-1—Conduct a survey of water, sewer, fire, and police infrastructure including power generation equipment, wastewater treatment plant facilities, communications, and Supervisory Control and Data Acquisition (SCADA) equipment to analyze vulnerability to severe weather and earthquake, then design and execute improvements to mitigate. Comment: Wastewater treatment plant installed new switch for backup generator and has underground in 2021. Added new item to address backup power availability at Action M-2—Become a "Firewise Community" Comment: Becoming a Firewise community is still a goal of the Meridian Fire Department areas. Action M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Comment: City of Meridian maintains good standing under the NFIP and continues to enforce the minimum of the NFIP and continues to enforce the NFIP and continues to | s moved abo | Feasible ve ground po I facilities. | if Yes | |
| Action M-1—Conduct a survey of water, sewer, fire, and police infrastructure including power generation equipment, wastewater treatment plant facilities, communications, and Supervisory Control and Data Acquisition (SCADA) equipment to analyze vulnerability to severe weather and earthquake, then design and execute improvements to mitigate. Comment: Wastewater treatment plant installed new switch for backup generator and has underground in 2021. Added new item to address backup power availability at Action M-2—Become a "Firewise Community" Comment: Becoming a Firewise community is still a goal of the Meridian Fire Department areas. Action M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Comment: City of Meridian maintains good standing under the NFIP and continues to enforce the minimum of the NFIP and continues to enforce the NFIP and continues to | s moved abo | l facilities. | wer lines | |
| Action M-2—Become a "Firewise Community" Comment: Becoming a Firewise community is still a goal of the Meridian Fire Department areas. Action M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Comment: City of Meridian maintains good standing under the NFIP and continues to enforce the next area. | | | | : |
| areas. Action M-3—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. Comment: City of Meridian maintains good standing under the NFIP and continues to enforce the new program of t | t as the City o | | ✓ | M-8 |
| implementing programs that meet or exceed the minimum NFIP requirements. Such programs include but are not limited to: enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts. *Comment: City of Meridian maintains good standing under the NFIP and continues to enforce the new programs include but are not limited to: enforce and information on floodplain requirements and impacts. | | expanas into | more wild | dfire prone |
| | | | ✓ | M-4 |
| υπουφή ποσαρίατη αυτήπησι αυτή ριοθιατή. | force flood da | amage prevei | ntion ordi | nance |
| Action M-4 —Maintain, and improve where beneficial, participation rating in the Community Rating System (CRS) | | | ✓ | M-15 |
| Comment: City of Meridian currently maintains a CRS Rating of 8 and underwent Cycle Vo | erification in | 2020. | | |
| Action M-5 —Evaluate surface water protection program, including surface water restoration, stormwater management, capital improvement program integration, and potential regulatory and fee impacts. | | ✓ | | |
| Comment: The Ada County Highway District operates the storm drain system and maintai of Meridian. Potential stream restoration and flood mitigation projects are listed | | | | n in the City |
| Action M-6 —Partner with ACHD to implement a culvert replacement program for approximately 15 crossings of Fivemile, Ninemile, and Tenmile Creeks including design and construction. | · | | ✓ | M-14 |
| Comment: Culverts that have yet to be replaced are carried over to new plan. | | | | |
| Action M-7 —Partner with Idaho Transportation Department (ITD) to design and construct culvert improvements on Fivemile Creek at Eagle Rd and the I-84 / Eagle Road Interchange according to recommendations of "Fivemile Creek at Interstate 84—Eagle Road to Wells Street" Hydraulic Report, November 2008. | √ | | | |
| Comment: ITD completed culvert improvements , LOMR effective November 2, 2018 | | | | |
| Action M-8 —Assist local irrigation districts with vulnerability assessments on the Ridenbaugh and New York Canal systems in the Meridian Area of Impact. | | ✓ | | |
| Comment: Project is considered no longer feasible, remove from plan. | | | | |
| Action M-9 —Perform an assessment to determine housing areas that would benefit from foundation elevation projects; and where appropriate, support and assist in grant funding opportunities for retrofitting, purchase or relocation projects. | | ✓ | | |

6-10 TETRA TECH

| | | | Removed; | Carried Over to Plan Update | |
|--------------------------|---|-----------------|----------------------------|--------------------------------|-----------------------|
| Action Item | from Previous Plan | Completed | | Check if Yes | Action # in Update |
| Action M-10 Comprehen | —Integrate Multi-Hazard Mitigation Plan into the City of Meridian's sive Plan. | ✓ | | | |
| Comment: | The Meridian City Council adopted a new Comprehensive Plan by resolution Hazard Mitigation Plan is integrated and referenced in the new comp plan. S and coordination. | | | | |
| | —Consider appropriate higher regulatory standards that prevent or reduce uilt environment from the known hazards of concern. | ✓ | | | |
| Comment: | To date, flood standards are consistent with community needs. Standards highlood damage prevention ordinance effective 6/19/20. Other standards will be | | | | n in the new |
| Action M-1 | 2—Support County-wide initiatives identified in Volume 1. | | | ✓ | M-19 |
| Comment: | The city continues to support County-wide initiatives | | | | |
| | B—Continue to support the implementation, monitoring, maintenance, and his Plan, as defined in Volume 1. | | | ✓ | M-3 |
| Comment: | Meridian continues to support the Ada County Multi-Jurisdictional Hazard Mil reporting using BATool. | tigation Plan p | lanning proce | ess. Anno | ual progress |
| | I—Provide fire safety, fire prevention and Firewise education to ds, schools and community via the internet, social media and direct public | | | ✓ | M-7 |
| Comment: | Fire safety and prevention education and outreach program is an ongoing eff | fort of the Mer | idian Fire De _l | partment | • |
| environmen | 5—Whenever possible, coordinate with local experts and employ natural ral processes in mitigation activities that increase ecosystem resilience and repacts of flooding on the built environment. | | | ✓ | M-18 |
| Comment: | Continue to evaluate projects as opportunity arises. | | | | |

6.8 HAZARD MITIGATION ACTION PLAN

Table 6-13 lists the identified actions, which make up the hazard mitigation action plan for this jurisdiction. Table 6-14 identifies the priority for each action. Table 6-15 summarizes the mitigation actions by hazard of concern and mitigation type.

| Table 613. Hazard Mitigation Action Plan Matrix | | | | | | | | | |
|---|---|----------------------|---------------------|-------------------|---------------------------|-----------------------|--|--|--|
| Benefits New or Existing Assets | | Lead Agency | Support Agency | Estimated Cost | Sources of Funding | Timeline ^a | | | |
| | Action M-1 —Where appropriate, support retrofitting, purchase or relocation of structures located in hazard areas, prioritizing those that have experienced repetitive losses and/or are located in high- or medium-risk hazard areas. | | | | | | | | |
| Hazards Mitigated: | Wildfire, Extreme We | eather, Flood, Earth | quake, Dam/Canal Fa | ailure, Landslide | P | | | | |
| Existing | 3, 8, 9 | City of Meridian | N/A | High | HMGP, BRIC, FMA | Short-term | | | |
| community, including | Action M-2— Integrate the hazard mitigation plan into other plans, ordinances and programs that dictate land use decisions in the community, including Flood Damage Prevention Ordinance, Community Risk Assessment and Comprehensive Plan. | | | | | | | | |
| | <u>Hazards Mitigated:</u> Wildfire, Extreme Weather, Flood, Earthquake, Dam/Canal Failure, Landslide, Drought | | | | | | | | |
| New & Existing | 2, 5, 6 | City of Meridian | Ada County | Low | Staff Time, General Funds | Ongoing | | | |

| Benefits New or | Objection | | C | Estimated | Course of E | Ti |
|--|--|--|--|--|---|---|
| Existing Assets | Objectives Met | Lead Agency | Support Agency | Cost | Sources of Funding | Timelinea |
| | ely participate in the pla | • | | | • . | |
| Hazards Mitigated: | · · | I i i i i i i i i i i i i i i i i i i i | i . | l ' | 1 | Chart tarra |
| New & Existing | All | City of Meridian | Ada County | Low | Staff Time, General Funds | Short-term |
| orograms that, at a Enforce the floorParticipate in floor | minimum, meet the NF d damage prevention o odplain identification ar ssistance/information o | FIP requirements: ordinance. nd mapping updates | S. | through implem | nentation of floodplain man | agement |
| New & Existing | 2, 3, 4, 6, 8, 9 | City of Meridian | N/A | Low | Staff Time, General Funds, Enterprise Funds | Ongoing |
| | d improve community r | esilience in relation | to future climate con- | | entify and pursue adaptive Staff Time, General | capacity Short-term |
| | | | | | Funds Funds infrastructure that lack ade | |
| | | | | | | |
| Existing Action M-7— Prov | 1, 3, 10 | City of Meridian | N/A education to neighbor | Medium orhoods, school | General Funds, Enterprise Funds, BRIC, HMGP Is and community via the in | _ |
| Existing Action M-7— Provided and direct put | 1, 3, 10 ide fire safety, fire prevublic outreach. | City of Meridian | | | Enterprise Funds, BRIC, HMGP | _ |
| Existing Action M-7— Provinedia and direct publications Hazards Mitigated: | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire | City of Meridian rention and Firewise | education to neighbo | orhoods, school | Enterprise Funds, BRIC, HMGP Is and community via the in | nternet, socia |
| Existing Action M-7— Provinedia and direct pure displayed: New & Existing | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 | City of Meridian rention and Firewise City of Meridian | | | Enterprise Funds, BRIC, HMGP | _ |
| Existing Action M-7— Provinedia and direct putazerds Mitigated: New & Existing Action M-8— Become | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Commit | City of Meridian rention and Firewise City of Meridian | education to neighbo | orhoods, school | Enterprise Funds, BRIC, HMGP Is and community via the in | nternet, socia |
| Existing Action M-7— Provimedia and direct puta and direct puta and action M-8— Becombile and action M-8— Becombile and action M-8— Becombile and action M-8— | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Commit | City of Meridian rention and Firewise City of Meridian | education to neighbo | orhoods, school | Enterprise Funds, BRIC, HMGP Is and community via the in | nternet, social |
| Action M-7— Provimedia and direct putazerds Mitigated: New & Existing Action M-8— Becomble Be | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Commitwildfire 4, 5, 7, 8, 9 ate the Black's Creek Rolution GIS data availability recognize and addression of the facility. The bream-flood failure (aka "s | City of Meridian City of Meridian City of Meridian unity" City of Meridian Reservoir breach analole. The model suggest the hydrologic in each analysis will meaunny day"), and (2) | N/A N/A N/A alysis and the resultingested for use should the reservoir at a codel the reservoir at a code code code code code code code code | Low Low ng downstream be HEC-RAS of tural and constread full pool conditions. | Enterprise Funds, BRIC, HMGP Is and community via the in Staff Time | Ongoing Long-term g the most sional model that are) scenarios |
| Existing Action M-7— Provinced and direct pure Hazards Mitigated: New & Existing Action M-8— Becon Hazards Mitigated: New & Existing Action M-9— Update and the can satisfactorion and the can satisfactorion and the consisting of (1) a recent. | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Commitwildfire 4, 5, 7, 8, 9 ate the Black's Creek Rolution GIS data availability recognize and addression of the facility. The bream-flood failure (aka "s | City of Meridian City of Meridian City of Meridian unity" City of Meridian Reservoir breach analole. The model suggest the hydrologic in each analysis will meaunny day"), and (2) | N/A N/A N/A alysis and the resultingested for use should the reservoir at a codel the reservoir at a code code code code code code code code | Low Low ng downstream be HEC-RAS of tural and constread full pool conditions. | Enterprise Funds, BRIC, HMGP Is and community via the in Staff Time Staff Time flood inundation map using or an equivalent two-dimen ructed geographic features tion and will include two (2) | Ongoing Long-term g the most sional mode that are) scenarios 0-year flood) |
| Existing Action M-7— Provimedia and direct pure Hazards Mitigated: New & Existing Action M-8— Beconstrain Mitigated: New & Existing Action M-9— Update recent, highest resort that can satisfactoric located downstream consisting of (1) a recent Mitigated: New & Existing Action M-10— Ensity Mitigated: | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Common Wildfire 4, 5, 7, 8, 9 ate the Black's Creek Repolution GIS data availabily recognize and address of the facility. The brenon-flood failure (aka "s Flood, Dam/Canal Face, 6, 7, 8, 9) sure adequate water su Drought, Dam/Canal | City of Meridian Ceservoir breach and ole. The model suggest the hydrologic in each analysis will meanny day"), and (2) callure City of Meridian City of Meridian City of Meridian City of Meridian | N/A N/A N/A alysis and the resultingested for use should the teractions with all nated a flood event failure N/A ditions through purch | Low Low g downstream be HEC-RAS of tural and constreation full pool condiduring the 1% in the Medium asing space in the | Enterprise Funds, BRIC, HMGP Is and community via the in Staff Time Staff Time Staff Time flood inundation map using or an equivalent two-dimenructed geographic features tion and will include two (2 nflow design flood (aka 10 BRIC, FMA, HMGP) mew surface water storage | Ongoing Long-term g the most sional model that are) scenarios 0-year flood) Short-term projects. |
| Action M-7— Provimedia and direct publicated: New & Existing Action M-8— Becondards Mitigated: New & Existing Action M-9— Updarecent, highest resorthat can satisfactorial coated downstream consisting of (1) a representation of (1) a representation of (1) and the management of (| 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Common Wildfire 4, 5, 7, 8, 9 ate the Black's Creek Rolution GIS data availabily recognize and addressibly recognized and addressi | City of Meridian City of Meridian City of Meridian City of Meridian Ceservoir breach analole. The model suggest the hydrologic in each analysis will mean analysi | N/A N/A N/A alysis and the resultingested for use should the reservoir at a a flood event failure N/A IDWR | Low Low Ing downstream be HEC-RAS of tural and constrea full pool condiduring the 1% in the Medium Medium Asing space in the High | Enterprise Funds, BRIC, HMGP Is and community via the in Staff Time Staff Time Staff Time flood inundation map using or an equivalent two-dimen ructed geographic features tion and will include two (2 nflow design flood (aka 10 BRIC, FMA, HMGP) BRIC, FMA, HMGP new surface water storage Enterprise Funds, Federal Grants | Ongoing Long-term g the most sional model that are) scenarios 0-year flood) Short-term |
| Existing Action M-7— Provinced and direct publicated: New & Existing Action M-8— Becommerced Mitigated: New & Existing Action M-9— Updated: Action M-9— Updated: Action M-9— Updated: Action M-10— Ensemble Action M-10— | 1, 3, 10 ide fire safety, fire prevublic outreach. Wildfire 4, 5, 7, 8, 9 ome a "Firewise Common Wildfire 4, 5, 7, 8, 9 ate the Black's Creek Rolution GIS data availabily recognize and addressibly recognize and addressible food, Dam/Canal Factor, 8, 9 sure adequate water sure adequate water sure prought, Dam/Canal 1, 9, 10 | City of Meridian City of Meridian City of Meridian City of Meridian Ceservoir breach analole. The model suggest the hydrologic in each analysis will mean analysi | N/A N/A N/A alysis and the resultingested for use should the reservoir at a a flood event failure N/A IDWR | Low Low Ing downstream be HEC-RAS of tural and constrea full pool condiduring the 1% in the Medium Medium Asing space in the High | Enterprise Funds, BRIC, HMGP Is and community via the in Staff Time Staff Time Staff Time flood inundation map using or an equivalent two-dimen ructed geographic features tion and will include two (2 nflow design flood (aka 10 BRIC, FMA, HMGP) BRIC, FMA, HMGP new surface water storage Enterprise Funds, Federal Grants | Ongoing Long-term g the most sional mode that are) scenarios 0-year flood) Short-term projects. |

6-12 TETRA TECH

| Existing Assets | Objectives Met | Lead Agency | Support Agency | Estimated Cost | Sources of Funding | Timeline |
|---|--|--|---|--|---|--|
| <u> </u> | | | | | rading/drainage policies th | |
| | ns in steep topography | | • | | 5 5 1 | · |
| lazards Mitigated | Landslide, Flood | | | | | |
| New | 2, 4, 5 | City of Meridian | N/A | Low | Staff Time | Long-tern |
| felines. The propo | osed improvements incl | ude constructing sto | orm drain infrastructu | re and pipeline | risk to people, property and from Story Park to the outl Meridian Development Co | et into the |
| lazards Mitigated | : Flood | | | | | |
| Existing | 1, 3, 9, 10 | City of Meridian | MDC | \$4.5 Million | HMGP, BRIC, MDC, FMA | Short-terr |
| ivemile, Ninemile | rtner with ACHD to faci , Eightmile and Tenmile : Flood, Extreme Wea | e Creeks. (Coordina | | | sign and construction of cro t Action ACHD-5) | ossings on |
| Existing | 1, 3, 9, 10 | ACHD | City of Meridian | High | ACHD, General Funds, BRIC, FMA, HMGP | Long -terr |
| Action M-15— Co | ntinue to maintain/enha | ance the City's class | ification under the Co | mmunity Ratin | * | |
| Hazards Mitigated. | : Flood | | | | | |
| iazaius iviiliyaleu. | | | | | | |
| New & Existing | 3, 4, 5, 6, 8 | City of Meridian | N/A | Low | Staff Time, General Funds, Enterprise Funds | |
| New & Existing Action M-16— Co Fenmile Creeks to | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect | on the National Floo | | | | |
| New & Existing Action M-16— Co Fenmile Creeks to | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect | on the National Floo | | | Funds, Enterprise Funds | nile and |
| New & Existing Action M-16— Co Fenmile Creeks to Hazards Mitigated New & Existing Action M-17—Cor maps through LOM | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect Endough Endou | on the National Floot flood risk. City of Meridian analysis on remain | d Hazard Layer to co | rrectly align wit | Funds, Enterprise Funds h creek channels on Fiven General Funds, Enterprise Funds, | Long-Terr |
| New & Existing Action M-16— Co Tenmile Creeks to Hazards Mitigated New & Existing Action M-17—Cor | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect Endough Endou | on the National Floot flood risk. City of Meridian analysis on remain | d Hazard Layer to co | rrectly align wit | Funds, Enterprise Funds h creek channels on Fiven General Funds, Enterprise Funds, Federal Grants | nile and Long-Terr |
| New & Existing Action M-16— Co Fenmile Creeks to Hazards Mitigated New & Existing Action M-17—Cor naps through LON Hazards Mitigated New & Existing Action M-18— Whencrease ecosystem | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect 2, 9 Induct detailed hydraulic AIR to accurately reflect 5. Flood 2, 9 Induct detailed hydraulic 2, 9 | on the National Floot flood risk. City of Meridian analysis on remain flood risk. City of Meridian | FEMA FEMA FEMA FEMA FEMA | Low A areas on Fi Low ral environment | Funds, Enterprise Funds th creek channels on Fiven General Funds, Enterprise Funds, Federal Grants vemile and Tenmile Creek General Funds, Enterprise Funds, | Long-Tens. Update |
| New & Existing Action M-16— Colemnile Creeks to Mazards Mitigated New & Existing Action M-17—Contages through LONder Mitigated New & Existing Action M-18— What crease ecosystem Mazards Mitigated Mazards Mitigated Mazards Mitigated Marchael Mitigated Marchael Mitigated Marchael Mitigated Marchael Mitigated Marchael Mitigated | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect 2, 9 Induct detailed hydraulic AIR to accurately reflect 5. Flood 2, 9 Induct detailed hydraulic 2, 9 | on the National Floot flood risk. City of Meridian analysis on remain flood risk. City of Meridian | FEMA FEMA FEMA FEMA FEMA | Low A areas on Fi Low ral environment | Funds, Enterprise Funds th creek channels on Fiven General Funds, Enterprise Funds, Federal Grants vemile and Tenmile Creek General Funds, Enterprise Funds, Federal Grants | Long-Ten Long-Ten Long-Ten activities tha |
| New & Existing Action M-16— Corenmile Creeks to Hazards Mitigated New & Existing Action M-17—Corenaps through LON Hazards Mitigated New & Existing Action M-18— Who crease ecosystem Hazards Mitigated New & Existing New & Existing | 3, 4, 5, 6, 8 rrect alignment issues of more accurately reflect 2, 9 induct detailed hydraulic I/IR to accurately reflect 2, 9 nenever possible, coord 2, 9 nenever possible, coord 2, 5, 9 inpport County-wide in | on the National Floor the National Floor the National Floor the Indian City of Meridian City of Meridian City of Meridian City of Meridian City of Meridian | FEMA ing FEMA Flood Zone FEMA erts and employ nature ding on the built environment. | Low A areas on Fi Low ral environment | Funds, Enterprise Funds th creek channels on Fiven General Funds, Enterprise Funds, Federal Grants vemile and Tenmile Creek General Funds, Enterprise Funds, Federal Grants tal processes in mitigation General Funds, BRIC, | Long-Tens. Update |

| Table 6-14. Mitigation Action Priority | | | | | | | | | |
|--|---------------------------|----------|--------|---|-----------------------------------|---|---|---|--|
| Action # | # of Objectives Met | Benefits | Costs | Do Benefits Equal or Exceed Cost? | Is Project Grant- Eligible? | Can Project Be Funded Under Existing Programs/ Budgets? | Implementation Priority ^a | Grant Pursuit Priority ^a | |
| 1 | 3 | High | High | Yes | Yes | No | Medium | High | |
| 2 | 7 | Medium | Low | Yes | No | Yes | High | Low | |
| 3 | 3 | Low | Low | Yes | No | Yes | High | Low | |
| 4 | 6 | Medium | Low | Yes | No | Yes | High | Low | |
| 5 | 7 | Medium | Low | Yes | No | Yes | High | Medium | |
| 6 | 3 | High | Medium | Yes | Yes | No | Medium | High | |
| 7 | 5 | Low | Low | Yes | No | Yes | Medium | Low | |
| 8 | 5 | Low | Low | Yes | No | Yes | Medium | Low | |
| 9 | 5 | Medium | Medium | Yes | Yes | No | Medium | High | |
| 10 | 3 | High | High | Yes | Yes | No | Medium | Medium | |
| 11 | 5 | Medium | Low | Yes | Yes | Yes | Medium | Low | |
| 12 | 3 | Medium | Low | Yes | No | Yes | Medium | Low | |
| 13 | 4 | High | High | Yes | Yes | No | High | High | |
| 14 | 4 | High | High | Yes | Yes | No | Medium | Medium | |
| 15 | 5 | Medium | Low | Yes | No | Yes | High | Low | |
| 16 | 2 | Medium | Low | Yes | Yes | No | Medium | Medium | |
| 17 | 2 | High | Medium | Yes | Yes | No | Medium | Medium | |
| 18 | 3 | High | Medium | Yes | Yes | No | Medium | Medium | |
| 19 | 10 | Low | Low | Yes | No | Yes | High | Low | |

a. See the introduction to this volume for explanation of priorities.

| Table 6-15. Analysis of Mitigation Actions | | | | | | | | | |
|--|---------------------------|---|------------------------------------|-----------------------------------|-----------------------|------------------------|-----------------------|--|--|
| | | Action Addressing Hazard, by Mitigation Type ^a | | | | | | | |
| Hazard Type | Prevention | Property Protection | Public Education & Awareness | Natural Resource Protection | Emergency Services | Structural Projects | Climate Resilience | Community Capacity Building ^b | |
| High-Risk Hazards | | | | | | | | | |
| Extreme Weather | M-2 | M-1 | M-5 | | M-6 | M-14 | M-5 | M-3, 5, 19 | |
| Medium-Risk Haza | rds | | | | | | | | |
| Flood | M-2, 4, 12, 15, 16, 17 | M-1 | M-4, 5, 9 | M-18 | M-6 | M-13, 14 | M-5, 18 | M-3, 4, 5, 9, 12, 15, 16, 17, 18, 19 | |
| Earthquake | M-2 | M-1 | | | M-6 | | | M-3, 19 | |
| Low-Risk Hazards | | | | | | | | | |
| Drought | M-2, 11 | | M-5 | M-10 | | M-10 | M-5 | M-3, 5, 10, 11, 19 | |
| Dam/Canal Failure | M-2 | M-1 | M-9 | M-10 | | M-10 | | M-3, 9, 10, 19 | |
| Landslide | M-2, 12 | M-1 | | | | | | M-3, 12, 19 | |
| Volcano | | | | | | | | M-3, 19 | |
| Wildfire | M-2 | M-1 | M-5, 7, 8 | | | | M-5 | M-3, 5, 8, 19 | |

a. See the introduction to this volume for explanation of mitigation types.

6-14 TETRA TECH

b. In addition to the community capacity building actions listed in this table, this jurisdiction is expanding its financial capabilities through its participation in and adoption of this hazard mitigation plan, which establishes grant-funding eligibility.

6.9 PUBLIC OUTREACH

Table 6-16 lists public outreach activities for this jurisdiction.

| Table 6-16. Local Public Outreach | | | | | | | |
|---|-----------|---------|--|--|--|--|--|
| Number of People Local Outreach Activity Date Involved | | | | | | | |
| Social Media share of Ada County survey posts | 12/8/2021 | unknown | | | | | |
| Meridian Public Works Week – Floodplain Booth HMP information | 6/8/2022 | unknown | | | | | |

6.10 INFORMATION SOURCES USED FOR THIS ANNEX

The following technical reports, plans, and regulatory mechanisms were reviewed to provide information for this annex.

- **2017 Ada County Multi-Hazard Mitigation Plan** The previous HMP was reviewed to update this annex.
- **City of Meridian Municipal Code**—The municipal code was reviewed for the full capability assessment and for identifying opportunities for action plan integration.
- City of Meridian Flood Damage Prevention Ordinance—The flood damage prevention ordinance was reviewed for compliance with the National Flood Insurance Program.

The following outside resources and references were reviewed:

• Hazard Mitigation Plan Annex Development Toolkit—The toolkit was used to support the identification of past hazard events and noted vulnerabilities, the risk ranking, and the development of the mitigation action plan.

















