

3.0 MITIGATION STRATEGY

2018 UPDATE

The goals, objectives, and projects in this section have all been updated to reflect the changes in priorities since the last update. This section recognizes the shift in activities regarding mitigation in the past several years; many of the mitigation projects from the previous version of this plan have become common activities that are now part of normal job descriptions.

OVERVIEW

The mitigation strategy contains information on goals and objectives that the steering committee decided upon and projects or strategies that the jurisdictions updated and/or created. This section explains in further detail the process by which goals were established and how existing and new projects were prioritized.

3.1 HAZARD MITIGATION GOALS

§201.6(c)(3)(i) [The hazard mitigation strategy shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

3.1.1 Setting and Prioritizing the Goals and Objectives

During the second steering committee meeting, members reviewed the previous mitigation plan goals and objectives. In the 2012 plan, each jurisdiction had their own goals and objectives and, although similar, they were not cohesive regionally.

The committee decided to revise the goals after some discussion and broke up into two groups to discuss in greater depth the direction they wanted to take. Both groups saw a pattern with the projects that they had in the plan and when each group presented their observations to all the members, they realized they had taken the same approach. Both groups, and therefore the whole steering committee, decided that there should be two overall goals that all the counties, cities, and towns should work towards. Within those goals, they established objectives by consensus, confident that all their mitigation efforts would channel through these two goals.

GOAL 1: Minimize loss of life and property due to natural disasters

Objective 1: Implement and educate the public on notification and warning measures for natural hazard events.

Objective 2: Protect critical infrastructure and assets.

Objective 3: Develop and sustain partnerships among responders and local officials revolving around education and training.

Objective 4: Maintain and enforce floodplain management activities.

GOAL 2: Minimize loss of life and property due to human-caused disasters

Objective 1: Educate the public on measures they can/should take regarding human-caused incidents.

Objective 2: Protect critical infrastructure and assets focusing on hardening structures and enhancing security measures.

Objective 3: Develop and sustain partnerships among responders and local officials revolving around education and training.

3.2 HAZARD MITIGATION PROJECTS

§201.6(c)(3)(ii) [The mitigation strategy shall include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

§201.6(c)(3)(iii) [The mitigation strategy section shall include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

This section includes actionable mitigation projects from the counties and jurisdictions within Region 8. The committee and jurisdictions updated the list of projects from the previous plan by noting if the projects were still active, deferred, completed, or no longer relevant. A list of deleted and completed projects can be found in [Appendix 3: Inactive Projects](#).

3.2.1 Project List Updates

Many jurisdictions decided to consolidate several existing projects that were very similar in nature after reviewing all their projects; for example, if one project called for the education of the public on tornado preparedness and another within the same jurisdiction called for public education on thunderstorm preparedness, these two were combined to have a more broad approach such as educating the public on severe weather events.

The committee observed that many of the projects listed previously in the mitigation plan had become a part of regular, ongoing day-to-day activities within certain positions in the jurisdiction. Some of these ongoing mitigation activities include tasks such as enforcing building codes and the floodplain ordinance, monitoring potentially hazardous situations, maintaining equipment, etc.

For this reason, several of the previous plan's "projects" have been classified as ongoing mitigation activities because they still are relevant and complimentary to mitigation efforts, but not necessarily actionable projects in this update of the plan.

These mitigation activities are included in the project list for each jurisdiction, where appropriate, but are not prioritized within the active hazard mitigation action plan.

3.2.2 Project Prioritization

The benefit-cost review was emphasized in the prioritization process. Mitigation actions were evaluated by their pros and cons, which are represented as costs and benefits. Project prioritization criteria were established utilizing the project prioritization matrix. Each jurisdictional project was rated on six criteria using a one to five scale where five is best. The criteria used are:

- **Ease of Implementation:** Do local policies and capabilities currently allow for the implementation of the project? Are programs available to assist in funding the implementation of the project?
- **Cost Effectiveness:** Is sufficient funding available to implement the project at a cost manageable by the local government? If not, is funding available? Will the costs of implementing the project be significantly less than the cumulative future costs potentially incurred by an un-corrected situation?
- **Social Impacts:** Will the public perceive the project as positively lessening hazard-related losses? Will implementing the project adversely affect any segment of the population?
- **Political Impacts:** Will implementing the project create negative political issues?
- **Economic Impacts:** Is the cost/benefit ratio of implementing the project acceptable? Will implementing the project adversely affect the local economy?
- **Overall Positive Impact;** Do local leaders generally agree that implementing the project will be beneficial to the community?

If a jurisdiction, for example, has five mitigation projects, the project number is identified in the top row. Then each project will be given between 1 and 5 (5 being the best) points for each criterion. The points are tallied and the project with the most points will be the first priority. If two or more projects score the same amount of points,

PROJECT → CRITERIA ↓	1	2	3	4	5
<i>Ease of Implementation</i>	5	2	3	4	2
<i>Cost Effectiveness</i>	1	3	3	2	4
<i>Social Impact</i>	3	2	2	5	2
<i>Political Impact</i>	5	4	3	3	1
<i>Economic Impact</i>	1	3	5	4	2
<i>Overall Positive Impact</i>	3	5	2	3	3
TOTAL	18	19	18	21	14
PRIORITY	3	2	3	1	5

they are considered a tie and given the same priority. The table to the right is filled out as an example. In this example, project number 4 was ranked the highest so therefore it is the number one priority for the jurisdiction, followed by project 2, then a tie between projects 1 and 3 and finally, project number 5.

3.3 ACTION PLAN

The following table includes the activities that were previously mitigation projects but have now become part of routine activities.

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES				
<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Town of Capon Bridge ~ Hampshire County				
Capon Bridge, Town of	Wildfires	Continue to provide fire protection for Capon Bridge and upgrade capabilities as need and funding are available.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project B2.1.1
Town of Elk Garden ~ Mineral County				
Elk Garden, Town of	All hazards	Coordinate with utility companies to ensure restoration of utility services.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project D1.1.2
Grant County				
Grant County	Dam Failure	Discourage development in areas around dams or encourage development of sound structures.	Prevention	Ongoing. New construction is required to follow floodplain ordinance and build to a 100 year event. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project F1.1.1
Grant County	Epidemic	Support local pandemic influenza planning.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project F2.1.3
Grant County	All hazards	Support local animals in disaster planning.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project F2.1.4
Grant County	Flooding	Enforce building codes referencing Flood Insurance Rate Maps (FIRMs).	Prevention	Ongoing. Before building, individuals must apply for a septic permit and do floodplain paperwork associated with the structure before a building permit is issued. Construction must be in accordance to floodplain ordinance. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project F5.1.3
Hampshire County				
Hampshire County	Dam Failure	Ensure that plans are in place for the inspection and rehabilitation of dams. Coordinate with the Maryland Department of the Environment, Dam Safety Program as these dams are not located in Hampshire County.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G1.1.2

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES

<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Hampshire County	Flooding	Coordinate with Maryland officials to continue monitoring water levels on the North Branch of the Potomac River.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G1.1.3
Hampshire County	Flooding	Continue to enforce ordinances that new structures do not interfere with flood mitigation measures.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G4.1.1
Hampshire County	Hazardous Materials	Coordinate with gas companies and retailers operating in Hampshire County, to ensure that household propane tanks are secured.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G4.1.3
Hampshire County	Hazardous Materials	Coordinate with emergency planning partners throughout Hampshire and surrounding counties to inventory resources that might be available for hazmat response.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G5.1.4
Hampshire County	Land Subsidence	Continue coordination with the West Virginia Division of Highways (WVDOH) to expand shoulder area of roadways (to reduce the number of road closures due to landslides).	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction.
Hampshire County	Land Subsidence	Coordinate with oil and natural gas exploration companies to ensure that measures are in place to guard against a loss of groundwater and sinking/settling in heavily drilled areas.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G6.1.3
Hampshire County	Terrorism Epidemic	Coordinate with the Hampshire County Health Department to continue planning efforts regarding biological concerns.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G7.1.2
Hampshire County	Winter Weather	Coordinate with the WVDOH to ensure that roadways are cleared during significant snow or ice events.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G10.2.1
Hampshire County	All hazards	Coordinate with utility companies to ensure that they have planned for business continuity during prolonged emergencies.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G10.2.2
Hampshire County	Wildfires	Continue to provide fire protection for Romney and Capon Bridge and upgrade capabilities as need and funding are available.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G11.1.1

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES

<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Hampshire County	Epidemic	Continue partnering with the Hampshire County Health Department regarding pandemic planning.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G11.2.1
Hampshire County	All hazards	Continue planning for the provision of food, water, and housing to county residents displaced by large-scale emergencies.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G11.2.2
Hampshire County	All hazards	Continue to partner with state and neighboring jurisdictions to plan for an “urban-to-rural” evacuation from the National Capital Region (NCR) into the eastern panhandle of West Virginia.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project G11.2.3
Hardy County				
Hardy County	All hazards	Support business continuity planning efforts throughout Hardy County.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H2.1.4
Hardy County	Flooding	Hardy County must ensure that new construction complies with requirements of the NFIP.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H5.2.1
Hardy County	All hazards	Ensure that poultry plants are following plant safety programs.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H6.1.1
Hardy County	Hazardous Materials	Ensure that the Local Emergency Planning Committee (LEPC) continues involvement in the regional meetings discussing hazardous material incidents.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H6.1.5
Hardy County	Hazardous Materials	Ensure that storage tanks are located out of flood zone and/or installed with safety measures.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H6.3.1
Hardy County	Land Subsidence	Coordinate with the WVDOH.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H7.1.1
Hardy County	Wildfires	Ensure that local fire departments coordinate with the local and state emergency managers.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H8.1.4
Hardy County	Summer Weather	Monitor wind patterns as they develop.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H10.1.3

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES

<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Hardy County	Drought	Coordinate with the West Virginia University (WVU) Extension Service.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project H11.3.1
Mineral County				
Mineral County	Dam Failure	Ensure funding for review and maintenance of dams	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J1.1.2
Mineral County	Dam Failure	Secure the dams. Protect from vandalism.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J1.1.3
Mineral County	Dam Failure	Disclose the risk to those who build in area of dam.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J1.1.5
Mineral County	Epidemic	Review the Mineral County Health Department's plans.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J2.1.1
Mineral County	Epidemic	Monitor the risk of chronic wasting disease.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J2.1.3
Mineral County	Epidemic	Enforce laws concerning rabies.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J2.1.4
Mineral County	Epidemic	Monitor the risk of epidemic/pandemic situations.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J2.1.5
Mineral County	Epidemic	Work with the county fair association regarding prevention of the spread of animal diseases.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J2.1.6
Mineral County	All hazards	County to assist with pumping water for livestock.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J3.1.1
Mineral County	All hazards	Provide shelters, food, and medicine for those in need.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J5.2.1
Mineral County	Hazardous Materials	Coordinate with representatives from covered facilities to collectively determine mitigation strategies.	Property Protection	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J6.3.1

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES				
<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Mineral County	Winter Weather	Consider coordinating with West Virginia Division of Highways regarding snow removal.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J11.1.7
Mineral County	All hazards	Coordinate with utility companies to ensure restoration of utility services.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project J12.1.2
Town of Moorefield ~ Mineral County				
Moorefield, Town of	Flooding	The Town of Moorefield and Hardy County Commission should coordinate with the WVDOH to control additional flooding issues that may result from the construction of Corridor H.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project K1.1.1
Moorefield, Town of	Flooding	The Town of Moorefield must enforce requirements concerning construction of new dwellings in reference to its flood protection plan and the National Flood Insurance Program (NFIP).	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project K1.1.2
Pendleton County				
Pendleton County	All hazards	Local LEPC needs to network information for county and Town of Franklin.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project L5.2.2
Pendleton County	Flooding	Enforce floodplain laws and regulations as required by the NFIP.	Prevention	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project L5.3.3
City of Piedmont ~ Mineral County				
Piedmont, City of	Summer Weather	Educate Piedmont residents of concerns regarding the risk of storm cells causing flooding on the hillside.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project N2.1.1
Region 8 Planning and Development Council				
Region 8 PDC	Flooding	Maintain compliance with the NFIP at the jurisdictional level by attending training, monitoring development, and ensuring the local floodplain regulations are as current and applicable as possible.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project 1.1.1
Region 8 PDC	Dam Failure	Coordinate, as appropriate, with partners throughout the region to identify the location of privately-owned dams.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project 4.1.1
Town of Ridgeley ~ Mineral County				

TABLE 3.3.A ONGOING MITIGATION ACTIVITIES				
<i>Jurisdiction</i>	<i>Hazard</i>	<i>Strategy</i>	<i>Mitigation Type</i>	<i>Narrative</i>
Ridgeley, Town of	All hazards	Educate the public on preparedness and response.	Public Education and Awareness	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project O1.1.1
Ridgeley, Town of	All hazards	Coordinate with utility companies to ensure restoration of utility services.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project O1.1.2
City of Romney ~ Hampshire County				
Romney, City of	Wildfires	Continue to provide fire protection for Romney and upgrade capabilities as need and funding are available.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project P1.1.1
Town of Wardensville ~ Hardy County				
Wardensville, Town of	Flooding	Assure efficient storm water management practices, such as clearing ditches and creating larger water basins for the town.	Structural Projects	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project Q2.2.3
Wardensville, Town of	Winter Weather	Ensure needed snow removal equipment, emergency generators, shelters, and personnel are mobilized according to the town's snow plan.	Emergency Services	Ongoing. This project has become a part of day-to-day routine mitigation practices of the jurisdiction. Previous project Q3.1.3

The following table contains the active mitigation projects for Region 8 counties, cities, and towns. Data within the table includes the corresponding goals and objective, the hazard that the project addresses, its priority relating to its own jurisdiction, the type of mitigation that the project entails, a brief description of the status of the project (if it is ongoing from the 2012 plan), a timeframe for completion, when appropriate, the lead agency in charge and support agencies if appropriate, a cost estimate for the project, and potential funding sources.

TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Town of Bayard ~ Grant County											
Bayard 1	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	1	Prevention	New	Ongoing as needed	Bayard Floodplain Manager	Grant County OEM	Up to \$124,900 per home purchased	HMGP
Bayard 2	Goal 1 Objective 2 & 4	Flooding	Design and build a proper storm water drainage system for the Town of Bayard.	2	Structural Projects	Ongoing. There has been no activity on this project since 2012. Previous project A1.1.2	5 years	Bayard Town Council	Region 8 PDC	Up to \$1,000,000, contingent on the type of project that is undertaken	SCGB IJDC Local Funding
Town of Capon Bridge ~ Hampshire County											
Capon Bridge 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	New	Ongoing as needed	Capon Bridge Town Council	Hampshire County OEM	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Capon Bridge 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	Ongoing. Previous project B1.1.1	Ongoing as needed	Capon Bridge Floodplain Coordinator	Hampshire County OEM	Up to \$121,900 per home purchased	HMGP
Town of Carpendale ~ Mineral County											
Carpendale 1	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	1	Prevention	New	Ongoing as needed	Carpendale Floodplain Manager	Mineral County OEM	Up to \$128,300 per home purchased	HMGP
Carpendale 2	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Address issue of Carpendale having only one road leading in and out of municipality.	2	Prevention	Ongoing. Previous project C1.1.1	5 years	Carpendale Town Council	WVDOH	Unknown; the project is in the planning stages	N/A
Town of Elk Garden ~ Mineral County											
Elk Garden 1	Goal 1 Objective	All hazards	Educate the public on preparedness and response.	1	Public Education and Awareness	Ongoing. Previous project D1.1.1	5 years	Elk Garden Municipal Council	Mineral County OEM	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Elk Garden 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Elk Garden Floodplain Manager	Mineral County OEM	Up to \$128,300 per home purchased	HMGP
Town of Franklin ~ Pendleton County											
Franklin 1	Goal 1 Objective 2 & 4	Flooding	Identify options for improvement or upgrade of storm drainage system.	1	Structural Projects	New	3 years	Franklin Floodplain Manager	Town of Franklin Council Pendleton County	Identification of possible solutions should require little to no extra cost.	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Franklin 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Franklin Floodplain Manager	Pendleton County OEM	Up to \$100,500 per home purchased	HMGF
Franklin 3	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Install a generator at the water pump station so that water can reach sections of town that lose water when there are power outages.	3	Prevention	New	5 years	Franklin County Commission	Pendleton County	Up to \$20,000 for the cost of a generator.	HMGF
Grant County											
Grant 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	Ongoing. Previous projects F3.1.3, F4.1.1, F9.1.1, and F11.1.1 combined.	Ongoing as needed	Grant County OES	Grant County Commission	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Grant 2	Goal 1 Objective 3 Goal 2 Objective 3	All hazards	Identify needs for training for all hazards and provide training to emergency personnel	2	Emergency Services	Ongoing. Previous projects F6.1.1, F8.1.5, and F10.1.1 combined	Ongoing as needed	Grant County OES	Local Emergency Services Departments	Many training opportunities are offered at no cost; other could cost up to \$1,000	EMPG HMEP SERC Local Funding
Grant 3	Goal 1 Objective 3 Goal 2 Objective 3	All hazards	Recruit and train additional volunteers for emergency services activities.	3	Emergency Services	Ongoing. Project description clarified. Previous project F6.1.2	5 years	Local Emergency Services Departments	Grant County OES Grant County LEPC	Recruitment of volunteers should require little to no additional funding	N/A
Grant 4	Goal 1 Objective 3 Goal 2 Objective 3	All hazards	Ensure personnel are trained to handle evacuation process.	4	Prevention	Ongoing. Previous project F1.2.2	5 years	Grant County OES	Local Emergency Services Departments	Little to no additional funding should be required as this is a part of existing programs	N/A
Grant 5	Goal 1 Objective 2	Wildfires	Identify additional local water resources for fighting fires.	4	Emergency Services	Ongoing. Project description clarified. Previous project F3.1.2	5 years	Local Fire Departments	Grant County OES	Resource identification should require little to no additional funding	N/A
Grant 6	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Synchronize the <i>West Virginia Emergency Operations Plan (EOP)</i> and the local EOP.	6	Emergency Services	Ongoing. Previous project F8.1.1	5 years	Grant County OES	N/A	Up to \$9,000 if an entire plan update is done with the assistance of a consultant	HMEP EMPG Local Funding
Grant 7	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Develop and distribute detailed evacuation plans with maps.	7	Prevention	Ongoing. Previous project F1.2.1	5 years	Grant County OES	WVDEP Dam Safety	Little to no additional funding should be required as this is a part of existing programs	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Grant 8	Goal 1 Objective 2 & 4	Flooding	Construct a floodwall to protect homes in the North Fork Retreat development.	8	Structural Projects	Ongoing. As of 2017 there has been no construction of a flood wall. Previous project F5.1.4	5 years	Grant County Commission	Region 8 PDC	Up to \$1,000,000 contingent on the size of the project	SCGB IJDC Local Funding
Grant 9	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	9	Prevention	Ongoing. RL property owners should have conference with FEMA and floodplain manager about options to meet NFIP standards. Previous project F5.1.1	Ongoing as needed	Grant County Floodplain Coordinator	Grant County Commission	Up to \$124,900 per home purchased	HMGP
Grant 10	Goal 1 Objective 2	All hazards	Ensure backup local water sources for both livestock and potable water during emergencies.	10	Emergency Services	Ongoing. Previous project F3.1.1	5 years	Grant County OES	WVU Extension Service Grant County LEPC	Resource identification should require little to no additional funding	N/A
Hampshire County											
Hampshire 1	Goal 1 Objective 3 Goal 2 Objective 3	Hazardous Materials	Coordinate the development of mutual aid agreements with such agencies as the Regional Response Team (RRT) and neighboring county hazmat response teams.	1	Emergency Services	Ongoing. Previous project G5.1.1	5 years	Local Fire Departments	Hampshire County OEM	Creation of mutual aid agreements should not require significant additional funding.	N/A
Hampshire 2	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	Ongoing. Previous projects G1.1.1, G3.1.1, G4.1.2, G6.1.1, G8.1.1, G9.2.1, and G10.1.1 combined	Ongoing as needed	Hampshire County OEM	Hampshire County Commission	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Hampshire 3	Goal 1 Objective 2	All hazards	As planning for animals in disaster continues, ensure that provisions to maintain water for animals are included.	3	Emergency Services	Ongoing. Previous project G2.1.1	3 years	Hampshire County OEM	WV DHSEM WV Department of Agriculture WVU Extension Service	Up to \$5,000	EMPG HMEP USDHS Local Funding
Hampshire 4	Goal 1 Objective 2 & 4	Flooding	Begin compiling the information necessary to apply for participation in the Community Rating System (CRS).	3	Public Education and Awareness	Ongoing. Previous project F4.2.2	5 years	Hampshire County Floodplain Coordinator	Hampshire County OEM	Compiling materials for the CRS means collecting items that are already available locally or that can be developed locally.	N/A
Hampshire 5	Goal 1 Objective 2 Goal 2 Objective 2	Wildfires	Ensure road access to unpopulated and/or developing (wooded) areas to provide for firefighter access.	3	Emergency Services	Ongoing. Previous project G9.1.1	5 years	Local Fire Departments	Hampshire County Planning Private Developers WVDOH	Up to \$1,000,000 contingent on the number of projects and the types of roads constructed	WVDOH USDOT Local Funding
Hampshire 6	Goal 1 Objective 1 Objective 2	Hazardous Materials	Explore options for ordinances to ensure that residential propane tanks are secured.	6	Prevention	Ongoing. Previous project G5.1.3	5 years	Hampshire County Planning	Hampshire County Commission	Exploration of options should require little to no additional funding.	N/A

TABLE 3.3.B REGION 8 MITIGATION PROJECTS

Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Hampshire 7	Goal 1 Objective 3 Goal 2 Objective 3	Hazardous Materials	Continue on-going hazardous material planning efforts at the local level, to include integration of local and state efforts.	7	Emergency Services	Ongoing. Previous project G5.1.2	5 years	Hampshire County LEPC	Hampshire County OEM	Up to \$5,000	HMEP
Hampshire 8	Goal 1 Objective 2 & 4	Flooding	Identify backup evacuation routes for residents that become stranded during flooding events and ensure they get to shelters safely before the event.	8	Prevention	New	3 years	Hampshire County OEM	WVDOH Hampshire County Commission	Partnership and planning require little to no additional funding.	N/A
Hampshire 9	Goal 1 Objective 2	All hazards	Coordinate the identification of backup water sources (e.g. additional aquifers, etc.) to ensure the continuity of existing systems.	9	Structural Projects	Ongoing. Previous project G2.1.2	5 years	Central Hampshire PSD	City of Romney	Coordination with partner entities should require little to no additional funding	N/A
Hampshire 10	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	Terrorism	Continue to update Annex M of the <i>Hampshire County Emergency Operations Plan</i> in an effort to prepare for potential domestic and international terrorist incidents.	10	Emergency Services	Ongoing. Previous project G7.1.1	5 years	Hampshire County OEM	N/A	Up to \$5,000	EMPG HMEP USDHS Local Funding
Hampshire 11	Goal 1 Objective 3 Goal 2 Objective 3	Wildfires	Undertake training and other educational efforts to inform responders about extinguishing fires with ethanol additives. Training should be relative to new technologies.	11	Emergency Services	Ongoing. Previous project G5.1.5	5 years	Local Fire Departments	N/A	Up to \$5,000 per opportunity	EMPG USDHS Local Funding
Hampshire 12	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Upgrade communications capabilities throughout the county.	12	Emergency Services	Ongoing. Project description clarified. Previous project G11.1.2	5 years	Hampshire County OEM	Hampshire County 911 Local Response Agencies	Up to \$1,000,000 contingent on the size of the project and the equipment purchased	EMPG USDHS Local Funding
Hampshire 13	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	13	Prevention	Ongoing. Previous project G4.2.1	Ongoing as needed	Hampshire County Planning	Hampshire County Planning Hampshire County OEM	Up to \$121,900 per home purchased	HMGP
Hardy County											
Hardy 1	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Develop a plan or procedure to ensure all contacts for emergency personnel are made during emergency situations and conduct exercises of notification.	1	Emergency Services	Ongoing. Project description clarified. Previous project H5.1.3	5 years	Hardy County OEM	N/A	Updating internal plans requires little to no additional funding	N/A
Hardy 2	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Identify shelters, particularly those with basements, for use during tornados. Shelters should be identified for both municipalities and the county.	1	Emergency Services	Ongoing. Previous project H9.3.1	5 years	American Red Cross	Hardy County OEM	As a planning project, this should require little to no additional funding.	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Hardy 3	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Review evacuation process with Hardy County Office of Emergency Management and emergency personnel.	3	Emergency Services	Ongoing. Previous project H6.1.4	5 years	Hardy County OEM	Local Emergency Services Departments	Review process should require little to no additional funding.	N/A
Hardy 4	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Identify and upgrade emergency services equipment and provide appropriate training to personnel regarding hazards.	4	Emergency Services	Ongoing. Project description clarified. Previous project H5.1.5	5 years	Local Emergency Services Departments	Hardy County OEM	Unknown; contingent on type of equipment purchased	N/A
Hardy 5	Goal 1 Objective 1 & 3	All hazards	Facilitate counseling and support to lessen impact on the community, particularly for school-aged children.	4	Emergency Services	Ongoing. Previous project H8.2.1	5 years	Hardy County OEM	Hardy County Health Department	As a planning project, this should require little to no additional funding.	N/A
Hardy 6	Goal 1 Objective 3 Goal 2 Objective 3	All hazards	Identify areas of improvement where personnel training can improve response to hazards and hold training opportunities.	7	Emergency Services	Ongoing. Project description clarified. Previous project H6.2.2	5 years	Local Emergency Services Departments	Hardy County OEM	Unknown; contingent on the training topic and location	N/A
Hardy 7	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Compile a plan on how to handle local housing, water, and food supply needs.	7	Emergency Services	Ongoing. Project description clarified. Previous project H8.2.2	5 years	Hardy County OEM	American Red Cross Faith-Based Organizations	As a planning project, this should require little to no additional funding.	N/A
Hardy 8	Goal 1 Objective 2	Wildfires	Identify water sources needed for fighting fires.	7	Emergency Services	Ongoing. Previous project H10.2.1	5 years	Local Fire Departments	Hardy County OEM	Location of resources should require little to no additional funding	N/A
Hardy 9	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	7	Public Education and Awareness	Ongoing. Previous projects H4.1.1, H4.1.2, H9.1.1, H9.1.2, H10.1.1, H11.1.1, and H11.1.5 combined.	Ongoing as needed	Hardy County OEM	Hardy County Commission	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Hardy 10	Goal 1 Objective 3 Goal 2 Objective 3	Hazardous Materials	Purchase additional equipment including hazardous material suits and decontamination equipment for emergency personnel.	7	Emergency Services	Ongoing. There have been funding problems that prohibit the purchase of equipment. Previous project H6.2.1	5 years	Local Fire Departments	Hardy County LEPC	Up to \$25,000 contingent on the type of equipment purchased	AFGP EMPG Local funding
Hardy 11	Goal 1 Objective 2 & 4	Flooding	Incorporate the update river gauges monitoring information onto all county websites for view by the public.	11	Public Education and Awareness	Ongoing. Project description clarified. Previous project H5.1.6	5 years	National Weather Service	Hardy County OEM	Information sharing should require little to no additional funding	N/A
Hardy 12	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	12	Prevention	Ongoing. Previous project H5.2.2	Ongoing as needed	Hardy County Floodplain Coordinator	Hardy County OEM Hardy County Commission	Up to \$118,800 per home purchased	HMGP



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Hardy 13	Goal 1 Objective 2	Dam Failure	Conduct a survey of structures already located around dam structures that could be affected by a failure and limit new development in hazardous areas.	12	Prevention	Ongoing. Previous projects H1.1.4 and H1.2.1 combined	Ongoing as needed	Hardy County OEM	Dam owners Potomac Valley Conservation District Natural Resources Conservation Service Hardy County Commission	Identification of resources and enforcement of regulations should require little to no additional funding	N/A
Hardy 14	Goal 1 Objective 2	All hazards	Evaluate the current infrastructure abilities to meet the minimum water demands of public water customers.	14	Prevention	Ongoing. Previous project H3.2.2	5 years	Hardy County RDA	Town of Moorefield Town of Wardensville	Evaluation should require little to no additional funding	N/A
Hardy 15	Goal 1 Objective 2 & 4	Flooding	Evaluate flood risk potential of local rivers, streams, and basis related to ice dams and quick thawing.	14	Public Education and Awareness	Ongoing. Previous project H11.1.4	5 years	Hardy County OEM	USACE Potomac Valley Conservation District NWS	Evaluation should require little to no additional funding	N/A
Hardy 16	Goal 1 Objective 2	Drought	Identify additional local water resources for use for livestock and poultry farm use.	14	Emergency Services	Ongoing. Previous projects H3.1.2 and H3.1.4 combined	3 years	Hardy County Commission	WVU Extension Service Poultry Industry Town of Moorefield	Location of resources should require little to no additional funding	N/A
Hardy 17	Goal 1 Objective 2 Goal 2 Objective 2	Drought	Locate facilities for irrigation.	17	Emergency Services	Ongoing. Previous project H3.1.1	5 years	Hardy County Commission	WVU Extension Service	Location of facilities should require little to no additional funding	N/A
Hardy 18	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Establish a communication system to monitor increasing hazards risk.	18	Emergency Services	Ongoing. Previous project H1.1.2	5 years	Hardy County OEM	Local Emergency Services Departments Regional Interoperable Committee	\$3,000,000+	SHSP EMPG Local Funding
Hardy 19	Goal 1 Objective 2 Goal 2 Objective 2	Drought	Conduct a countywide water resource study.	18	Emergency Services	Ongoing. Project description clarified. Previous project H3.2.1	5 years	Hardy County Planning Commission	Region 8 PDC	Up to \$100,000 contingent on the use of a consultant.	Unknown
Hardy 20	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Protect critical infrastructure and facilities.	20	Emergency Services	Ongoing. Previous project H8.1.5	5 years	Hardy County Commission	Town of Moorefield Town of Wardensville	As a planning project, this should require little funding; target hardening efforts, though, may require funding.	
City of Keyser ~ Mineral County											
Keyser 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	New	Ongoing as needed	Keyser City Council	Mineral County OEM	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Keyser 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Keyser Floodplain Manager	Mineral County OEM	Up to \$128,300 per home purchased	HMGP
Mineral County											
Mineral 1	Goal 1 Objective 2 & 4	Wildfires	Develop procedures for the county to inform municipalities when individuals obtain burning permits within their corporate limits.	1	Prevention	Ongoing. Project description clarified. Previous project J10.2.1	5 years	Unknown	N/A	Coordination with partner entities should require little to no additional funding	N/A
Mineral 2	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	Ongoing. Previous projects J9.1.1, J11.1.1, J11.1.4, J11.1.6, and J12.1.1 combined	Ongoing as needed	Mineral County OEM	Mineral County Commission	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Mineral 3	Goal 1 Objective 2 & 4	Flooding	Make lists of flood-prone properties available to the residents of Mineral County.	3	Public Education and Awareness	Ongoing. Previous project J5.3.2	5 years	Mineral County Planning Commission	Mineral County OEM	Since the information is available, making it available to the public should require little to no additional funding	N/A
Mineral 4	Goal 1 Objective 2	Drought	Identify alternate water supplies and storage.	4	Natural Resource Protection	Ongoing. Previous project J3.1.2	3 years	Mineral County Commission	WVU Extension Service	Unknown	N/A
Mineral 5	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	5	Prevention	Ongoing. Project description clarified. Previous project J5.1.4	Ongoing as needed	Mineral County Floodplain Manager	Mineral County Commission	Up to \$128,300 per home purchased	HMGP
Mineral 6	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Ensure that existing communications systems are well maintained and in proper working order. Identify and introduce new mass notification warning system that can complement existing resources.	5	Emergency Services	Ongoing. Previous projects J5.1.1, J6.4.3, and J9.1.3 combined	3 years	Mineral County OEM	Mineral County 911	Up to \$50,000 for installation plus annual operating costs	SHSP Local Funding
Mineral 7	Goal 1 Objective 3 Goal 2 Objective 3	Hazardous Materials	Educate emergency personnel responding to hazardous incidents.	7	Emergency Services	Ongoing. Previous project J6.4.2	5 years	First Response Agencies	Mineral County OEM	Up to \$5,000 depending on the type of training, education, or exercise that is sponsored.	SERC HMEP Local Funding
Mineral 8	Goal 1 Objective 2 & 4	Flooding	Pre-mitigate properties located along Water Street/Harley O Staggers' Drive.	8	Prevention	Ongoing. Previous project J5.1.5	5 years	Mineral County Planning Commission	Mineral County OEM	Up to 128,300 per property purchased	HMGP
Mineral 9	Goal 1 Objective 2 & 4	All hazards	Establish new construction ordinance.	9	Prevention	Ongoing. Previous project J5.1.2	5 years	Mineral County Commission	Mineral County Building Permit Officer	Establishment of an ordinance should require little to no additional funding; funding would be needed at the enforcement stage	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Town of Moorefield ~ Hardy County											
Moorefield 1	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	1	Prevention	New	Ongoing as needed	Moorefield Floodplain Coordinator	Hardy County OEM	Up to \$118,800 per home purchased	HMGP
Moorefield 2	Goal 1 Objective 3 Goal 2 Objective 3	Winter Weather	Partner with the Town of Wardensville to develop a plan that address winter storms and snow removal.	2	Emergency Services	Ongoing. Project description clarified. Previous project K2.1.1	5 years	Moorefield Town Council	Hardy County OEM	Coordination with partner entities should require little to no additional funding	N/A
Moorefield 3	Goal 1 Objective 2 & 4	Flooding	Install pumps on Allegheny Street to control ponding area problem and provide additional small pumps for ponding areas should the need arise.	3	Structural Projects	Ongoing. Previous projects K1.2.1 and K1.2.2 combined.	3 years	Moorefield Street Department	Hardy County OEM	Up to \$5,000 per pump	Local Funding
Pendleton County											
Pendleton 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	Ongoing. Previous projects L4.1.1, L5.2.1, L8.1.1, L8.1.2, and L10.1.1 combined	Ongoing as needed	Pendleton County OEM	Pendleton County Floodplain Manager Pendleton County Commission	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Pendleton 2	Goal 1 Objective 2	Wildfires	Remove debris throughout wooded areas of the county to limit potential of wildfires.	2	Prevention	Ongoing. Project description clarified. Previous project L9.2.1	5 years	Pendleton County OEM	WV Division of Forestry National Park Service USDA	Up to \$5,000 per project	WV Division of Forestry NPS USDA
Pendleton 3	Goal 1 Objective 3 Goal 2 Objective 3	Hazardous Materials	Provide appropriate training to personnel handling hazardous spills.	3	Emergency Services	Ongoing. Previous project L6.1.1	5 years	Pendleton County LEPC	Pendleton County OEM	Up to \$2,500 per event for materials, etc.	HMEP SERC EMPG Local Funding
Pendleton 4	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	4	Prevention	Ongoing. Previous project L5.3.2	Ongoing as needed	Pendleton County Floodplain Manager	Pendleton County OEM	Up to \$100,500 per home purchased	HMGP
Pendleton 5	Goal 1 Objective 1	All hazards	Purchase and install a local weather station.	5	Public Education and Awareness	Ongoing. Project description clarified. Previous project L10.1.2	5 years	Pendleton County OEM	NOAA	Up to \$2,000 for equipment	N/A
Pendleton 6	Goal 1 Objective 1	All hazards	Identify, establish, and maintain an early warning system in the county.	6	Prevention	Ongoing. Previous projects L 1.1.1 and L5.1.1 combined	4 years	Pendleton County OEM	Neighboring County Emergency Managers	Unknown	SHSP Local Funding
Pendleton 7	Goal 1 Objective 2	Dam Failure	Conduct a survey of structures already located around dam structures that could be affected by a failure and limit new development in hazardous areas.	7	Prevention	Ongoing. Previous projects L1.2.1 and L1.2.2 combined	5 years	Pendleton County OEM	N/A	Identification of structures and code development should require little to no additional funding.	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Pendleton 8	Goal 1 Objective 2 & 4	Flooding	Purchase and place needed river gauges throughout county.	8	Structural Projects	Ongoing. Project description clarified. Previous project L1.1.3	5 years	Pendleton County OEM	Pendleton County Floodplain Manager	Contingent on the number of gauges placed; up to \$15,000 a piece for placement and operation	EPA FEMA Local Funding
City of Petersburg ~ Grant County											
Petersburg 1	Goal 1 Objective 2 & 4	Flooding	Address surface water issues within the City of Petersburg.	1	Structural Projects	Ongoing. A new drainage system has been installed in certain areas of town but others are still in need. Previous project M1.1.1	5 years	Petersburg City Council	Region 8 PDC	Up to \$1,000,000, contingent on the type of project that is undertaken	SCGB IJDC Local Funding
Petersburg 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Petersburg Floodplain Manager	Grant County OEM	Up to \$124,900 per home purchased	HMGP
City of Piedmont ~ Mineral County											
Piedmont 1	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	1	Prevention	New	Ongoing as needed	Piedmont Floodplain Coordinator	Mineral County OEM	Up to \$128,300 per home purchased	HMGP
Piedmont 2	Goal 1 Objective 2 Goal 2 Objective 2	All hazards	Address issue of Piedmont transportation being limited to road access only.	2	Emergency Services	Ongoing. Previous project N1.1.1	5 years	Piedmont Municipal Council	WVDOH	Unknown	N/A
Region 8 Planning and Development Council											
Region 8 PDC 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Undertake periodic all-hazards public outreach campaigns to encourage residents to prepare for themselves, including being self-sufficient for up to 72 hours.	1	Public Education and Awareness	Ongoing. Previous project 3.1.1	Ongoing	County Emergency Managers	N/A	Up to @2,500 per campaign per jurisdiction	PDM EMPG Local Funding
Region 8 PDC 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in supporting jurisdictions in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	Ongoing. Previous project 1.1.2.	Ongoing as needed	Floodplain coordinators	County Commissions Municipal Councils	Based on the median value of owner-occupied housing units	HMGP
Region 8 PDC 3	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Support and facilitate build-out of the Statewide Interoperable Radio Network (SIRN).	3	Emergency Services	Ongoing. Previous project 2.2.1	Ongoing	County Emergency Managers	County Commissioners County Communications Directors	Up to \$10,000,000	EMPG SHSP Local Funding USDHS
Region 8 PDC 4	Goal 1 Objective 3	Land Subsidence	Partner with developers and WVDOH to ensure that land grading is appropriate to reduce slippage that destroys road and property.	4	Prevention	New	Ongoing	County Emergency Managers	WVDOH HOAs Developers	Coordination with partner entities should require little to no additional funding	N/A



TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Region 8 PDC 5	Goal 1 Objective 2 & 3 Goal 2 Objective 2 & 3	All hazards	Establish a wide-area mass notification system.	5	Emergency Services	Ongoing. Previous project 2.1.1	Ongoing	County Emergency Managers	County Commissions	Up to \$1,000,000 for installation over a large area	SHSP
Town of Ridgeley ~ Mineral County											
Ridgeley 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	New	Ongoing as needed	Ridgeley Town Council	Mineral County OEM	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Ridgeley 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Ridgeley Floodplain Manager	Mineral County OEM	Up to \$128,300 per home purchased	HMGP
City of Romney ~ Hampshire County											
Romney 1	Goal 1 Objective 1 Goal 2 Objective 1	All hazards	Conduct periodic public education campaigns using a variety of approaches on topics such as all-hazard risk awareness, procedures after receiving notifications of hazards, prevention of hazards and personal preparedness.	1	Public Education and Awareness	New	Ongoing as needed	Romney City Council	Hampshire County OEM	Up to \$2,500 per outreach campaign	PDM EMPG Local Funding
Romney 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	2	Prevention	New	Ongoing as needed	Romney Floodplain Manager	Hampshire County OEM	Up to \$121,900 per home purchased	HMGP
Town of Wardensville ~ Hardy County											
Wardensville 1	Goal 1 Objective 3 Goal 2 Objective 3	Winter Weather	Partner with the Town of Moorefield to develop a plan that addresses winter storms and snow removal.	1	Emergency Services	Ongoing. Previous project Q3.1.1	5 years	Wardensville Town Council	Hardy County OEM	Coordination with partner entities should require little to no additional funding	N/A
Wardensville 2	Goal 1 Objective 2 & 4	Flooding	Continue to participate in acquisition/demolition, elevation, mitigation reconstruction, and relocation projects for flood-prone properties.	1	Prevention	New	Ongoing as needed	Wardensville Floodplain Manager	Hardy County OEM	Up to \$118,800 per home purchased	HMGP
Wardensville 3	Goal 1 Objective 2 & 4	Flooding	Replace culverts to correct flooding problems in repetitive loss area.	3	Structural Projects	Ongoing. Previous project Q2.2.1	5 years	Wardensville Street Department	WVDOH	Up to \$10,000 per project, contingent on size.	Local Funding WVDOH

TABLE 3.3.B REGION 8 MITIGATION PROJECTS											
Project Number	Goal & Objective	Hazard	Strategy	Priority	Mitigation Type	Narrative	Timeline for Completion	Lead Agency	Support Agency	Cost Estimate	Potential Funding Source
Wardensville 4	Goal 1 Objective 2 & 4	Flooding	Identify and implement necessary changes to the sewer lagoon embankment and wastewater treatment plant.	4	Structural Projects	Ongoing. Project description clarified. Previous project Q2.2.2	5 years	Wardensville Town Council	Region 8 PDC	Unknown	N/A
Wardensville 5	Goal 1 Objective 2 & 4	Flooding	Evaluate flood risk potential for the Town of Wardensville related to possible upstream dam failures that contribute to the Cacapon River and Trout Run streams that course through the town.	5	Prevention	Ongoing. Previous project Q1.1.1	5 years	Wardensville Police Department	Wardensville Fire Department Hardy County OEM	Evaluation should require little to no additional funding	N/A
Wardensville 6	Goal 1 Objective 2 & 4	Flooding	Conduct an environmental design study that aims to correct flooding problems to ensure access to roads is not cut off.	6	Public Education and Awareness	Ongoing. Project description clarified. Previous project Q2.1.3	5 years	Wardensville Town Council	Region 8 PDC	Unknown	N/A

