

4.1 IDENTIFICATION AND ANALYSIS OF MITIGATION ACTIONS

§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.

This portion of the plan builds on the strategies list presented in Section 3.0. Whereas Section 3.0 simply lists Clinton County's mitigation goals, objectives, and strategies, this section analyzes those strategies as projects and discusses how they should be implemented. Each strategy is listed along with a timeframe, primary coordinator, support agencies, potential funding source (and cost estimate), and its current status. Strategies are also categorized by six (6) different types of mitigation projects. (*NOTE: "Strategies" are considered mitigation "projects".)

1. Prevention,
2. Property protection,
3. Natural resource protection,
4. Structural projects,
5. Emergency services, and
6. Public education and awareness.

It is important to note that the cost estimates are tentative and meant as a starting point for research on project feasibility. More specifically, these cost estimates are only ranges of probable project costs; all figures are approximations. At the time the implementation of any strategy is considered, a full cost estimate should be sought prior to securing funding. 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.

Within each project description, a current status description has been added to describe what has currently been completed and what is still expected. To support these statements, Figures 4.4.3.1.1 and 4.7.1.1.1 have been added.

Finally, as a navigational note, this section only contains *current* mitigation projects (organized by jurisdiction). If the status indicator in Section 3.0 classified as project as "Completed", "Deleted", or "Deferred", it will *not* be listed below (unless the

Hazard Mitigation Core Planning Committee chose to re-list the project because of a future benefit). As a result, the strategy numbers may not run consecutively (e.g., Strategy X.1.5 may follow Strategy X.1.3).

Project 1.1.1: Collaborate with County Extension Services and private sector interests to purchase or otherwise create and distribute information dealing with disasters and how people can prepare/recover from them.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Extension Services, Clinton County Director of Health Department, Clinton County Director of Building & Zoning Department, Village of Blanchester Fire Chief, Village of Blanchester Police Chief, Village of Clarksville Fire Chief, Village of Clarksville Police Chief, Village of Martinsville Fire Chief, Village of Martinsville Police Chief, Village of Midland Fire Chief, Village of Midland Police Chief, Village of New Vienna Fire Chief, Village of New Vienna Police Chief, Village of Port William Fire Chief, Village of Port William Police Chief, Village of Sabina Fire Chief, Village of Sabina Police Chief, City of Wilmington Fire Chief, City of Wilmington Police Chief

Mitigation Type: Public Information and awareness

Funding Sources: Existing Budgets

Status Description: The Director of Clinton County EMA consistently gives presentations to various civil organizations and the schools. Additionally, annually, presentations are made about winter preparedness in conjunction with the Ohio Department of Transportation and the Clinton County Engineer.

Project 1.2.1: Create a clear written policy designating chain of command, listing names and job titles of persons responsible for making decisions, monitoring response, and recovering back to normal operations.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: Existing Budget

Status Description: Continued coordination with the private sector and educational institutions as to the need for written documents to respond to an emergency situation.

Project 1.2.2: Develop specific instructions for shutting down equipment and production sites outside the facility and a process to account for all employees after an evacuation.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: Existing Budgets

Status Description: Continued coordination with the private sector and educational institutions as to the need for written documents to respond to an emergency situation.

Project 1.2.3: Procedures for employees responsible for shutting down critical operations before evacuating the facility

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: Existing Budgets

Status Description: Continued coordination with the private sector and educational institutions as to the need for written documents to respond to an emergency situation.

Project 1.2.4: Specific training and practices scheduled and equipment requirements for persons responsible for rescue operations, medical duties, hazardous responses, firefighting, and other responses specific to work site.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Emergency Services

Funding Sources: HMEP

Status Description: Continued coordination with the fire, law, and medical agencies within Clinton County to include additional hazardous material trainings at the awareness, operational, and technician levels.

Project 1.2.5: Develop a program whereby emergency management teams trained for potential emergencies and the containment of those emergencies are created.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Emergency Services

Funding Sources: HMEP

Status Description: No updates are available at this time.

Project 1.2.6: Update the Clinton County Emergency Operations Plan (EOP) and aid in creating Standard Operating Procedures (SOPs) for each department or agency

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee

Mitigation Type: Public Information and awareness, Emergency Services

Funding Sources: EMPG

Status Description: The Clinton County EMA has created and maintained an EOP with reviews as necessary. Continued coordination with other County Offices and Departments to create extensions of the EOP specific to each office or department in the form of an SOP to be developed and maintained.

Project 1.3.1: Create and distribute informational materials to homeowners informing them about disasters and how to recover.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Regional Planning Committee, Registered Agent for the Clinton County Leadership Institute, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: EMPG

Status Description: Through continued presentations to civil organizations and the school system, presence at the Clinton County Fair, and the annual winter preparedness presentations, home owners have received informational materials which are updated regularly.

Project 1.4.1: Coordinate between Clinton County's and the municipal building and zoning offices to encourage the adoption of updated building codes.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Building and Zoning Office, Village of Blanchester Administrator for Building and Zoning Office, Village of Clarksville Administrator for Building and Zoning Office, Village of Martinsville Administrator for Building and Zoning Office, Village of Midland Administrator for Building and Zoning Office, Village of New Vienna Administrator for Building and Zoning Office, Village of Port William Administrator for Building and Zoning Office, Village of Sabina Administrator for Building and Zoning Office, City of Wilmington Administrator for Building and Zoning Office

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: Existing Budget

Status Description: Deferred so as to review adoption needs.

Project 1.5.1: Create a public information and education program that informs residents and officials of post-disaster strategies

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Superintendent of Schools, Adams Township Trustee, Chester Township Trustee, Clark Township Trustee, Green Township Trustee, Jefferson Township Trustee, Liberty Township Trustee, Marion Township Trustee, Richland Township Trustee, Union Township Trustee, Vernon Township Trustee, Washington Township Trustee, Wayne Township Trustee, Wilson Township Trustee, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and awareness, Prevention

Funding Sources: EMPG

Status Description: Through continued presentations to civil organizations and the school system, presence at the Clinton County Fair, and the annual winter preparedness presentations, home owners have received informational materials which are updated regularly.

Project 2.1.1: Coordinate with the USACE to update dam safety plans and increase inspection rates on at risk dams.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Building and Zoning, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, ODNR Dam Safety Officer, Programs Director for USACE,

Mitigation Type: Prevention, Property Protection

Funding Sources: PDM

Status Description: Safety plans and current inspection results exist for the USACE owned and operated dams. There are many privately owned or exempt dams in Clinton County needing further follow up

Project 3.1.1: Create a public information and education program highlighting the responsibilities residents have towards water conservation and resource use.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Executive Director Farm Service Agency, Village of Blanchester Water Department Administrator, Village of Clarksville Water Department Administrator, Village of Martinsville Water Department Administrator, Village of Midland Water Department Administrator, Village of New Vienna Water Department Administrator, Village of Port William Water Department Administrator, Village of Sabina Water Department Administrator, City of Wilmington Water Department Administrator

Mitigation Type: Public Information and Awareness, Natural Resource Protection

Funding Sources: Existing Budget

Status Description: The Director of Clinton County EMA consistently gives presentations to various civil organizations and the schools. Additionally, annually, presentations are made about winter preparedness in conjunction with the Ohio Department of Transportation and the Clinton County Engineer.

Project 3.2.1: Coordinate with Subject Matter Experts on best practices to minimize drought impacts

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Executive Director Farm Service Agency, Clinton County Director of Extension Services, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director

Mitigation Type: Prevention, Structural project

Funding Sources: Existing Budgets

Status Description: No information is available at this time

Project 4.1.1: Create a public information and education program to sensitize residents to the floodplain and the benefits of preserving these areas.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Building and Zoning Office, Village of Blanchester Administrator for Building and Zoning Office, Village of Clarksville Administrator for Building and Zoning Office, Village of New Vienna Administrator for Building and Zoning Office, Village of Port William Administrator for Building and Zoning Office, Village of Sabina Administrator for Building and Zoning Office, City of Wilmington Administrator for Building and Zoning Office

Mitigation Type: Public Information and Awareness, Natural Resource Protection

Funding Sources: HMGP

Status Description: The Director of Clinton County EMA consistently gives presentations to various civil organizations and the schools. Additionally, annually, presentations are made about winter preparedness in conjunction with the Ohio Department of Transportation and the Clinton County Engineer.

Project 4.2.1: Coordinate with County agencies to modify policies and/or regulations allowing development to occur in floodplains.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Health Department Director, Clinton County Director of Building and Zoning Office, Village of Blanchester Health Department Administrator, Village of Blanchester Administrator for Building and Zoning Office, Village of Clarksville Health Department Administrator, Village of Clarksville Administrator for Building and Zoning Office, Village of New Vienna Health Department Administrator, Village of New Vienna Administrator for Building and Zoning Office, Village of Port William Health Department Administrator, Village of Port William Administrator for Building and Zoning Office, Village of Sabina Health Department Administrator, Village of Sabina Administrator for Building and Zoning Office, City of Wilmington Health Department Administrator, City of Wilmington Administrator for Building and Zoning Office

Mitigation Type: Prevention, Natural Resource Protection

Funding Sources: Existing Budgets

Status Description: Continued coordination with county agencies like the Building and Zoning Office as well as FEMA Region V and the RISK Maps developed.

Project 4.3.1: Develop a program involving Public Information and Education to encourage donation of stream corridors and those areas adequately maintained free of debris.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Supervisor for Soil and Water Conservation District, Clinton County Health Department Director, Adams Township Trustee, Chester Township Trustee, Clark Township Trustee, Green Township Trustee, Jefferson Township Trustee, Liberty Township Trustee, Marion Township Trustee, Richland Township Trustee, Union Township Trustee, Vernon Township Trustee, Washington Township Trustee, Wayne Township Trustee, Wilson Township Trustee, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, City of Wilmington Safety Director

Mitigation Type: Public Information and Awareness, Natural Resource Protection

Funding Sources: Existing Budget

Status Description: The Director of Clinton County EMA consistently gives presentations to various civil organizations and the schools. Additionally, annually, presentations are made about winter preparedness in conjunction with the Ohio Department of Transportation and the Clinton County Engineer. The Village of Sabina has performed an extensive list of activities associated with debris removal as seen in Figure 4.4.3.1.1. The Village of Sabina completed their stream clearing efforts in August 2014.

Project 4.4.1: Update the base floodplain mapping to better allow the user to determine the precise floodplain

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Building and Zoning Office, Village of Blanchester Administrator for Building and Zoning Office, Village of Clarksville Administrator for Building and Zoning Office, Village of New Vienna Administrator for Building and Zoning Office, Village of Port William Administrator for Building and Zoning Office, Village of Sabina Administrator for Building and Zoning Office, City of Wilmington Administrator for Building and Zoning Office, GIS Coordinator for Ohio Department of Natural Resources, Floodplain Manager for FEMA

Mitigation Type: Public Education and awareness

Funding Sources: FMA

Status Description: Coordination with the RISK Maps project and FEMA Region V continue to occur

Project 5.1.1: Complete a Commodity Flow Study (CFS) for Clinton County

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County, Blanchester, Clarksville, Martinsville, Midland, New Vienna, Port William, Sabina, Wilmington

Lead Agencies: Clinton County EMA (Director), Ohio EMA (Grant Supervisor)

Mitigation Type: Prevention, Public Education and awareness

Funding Sources: HMEP

Status Description: A new project for Clinton County

Project 5.2.1: Increase the training level of responders within Clinton County at the awareness, operations, and technician levels

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Ohio EMA Regional Staff, OEMA Grants Supervisor, OEMA Training and Exercise Supervisor

Mitigation Type: Public Education and awareness, Emergency Services

Funding Sources: HMEP

Status Description: Coordination with service providers to determine a schedule of availability.

Project 5.2.2: Update and improve the level of hazardous material response equipment available in Clinton County.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Ohio EMA Grants Supervisor

Mitigation Type: Prevention, Emergency Services

Funding Sources: HMEP

Status Description: A new project which has not begun yet.

Project 6.1.1: Apply sprays

Timeframe: 05/01/2015 to 05/01/2020
Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Program Manager for Ohio DNR
Mitigation Type: Prevention, Natural Resource Protection
Funding Sources: USDA-FSA Biomass Crop Assistance Programming
Status Description: No activity to report at this time

Project 6.1.2: Clear infested trees which are damaged

Timeframe: 05/01/2015 to 05/01/2020
Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Program Manager for Ohio DNR
Mitigation Type: Prevention, Natural Resource Protection
Funding Sources: USDA-FSA Biomass Crop Assistance Programming
Status Description: No activity to report at this time.

Project 7.1.1: Install warning sirens in areas of dense small populations

Timeframe: 05/01/2015 to 05/01/2020
Jurisdictions: Clinton County Director of EMA, Cheshire Township Trustee, Wayne Township Trustee, Wilson Township Trustee, Village of Martinsville Fire Chief, Village of Midland Fire Chief, Village of Port William Fire Chief, City of Wilmington Safety Director
Mitigation Type: Prevention, Structural project
Funding Sources: PDM
Status Description: The addition of the *Code Red* mass notification system which is described fully in Figure 4.7.1.1.1. and implemented in January, 2015

Project 7.2.1: Distribute NOAA weather radios

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Village of Blanchester Fire Chief, Village of Martinsville Fire Chief, Village of Midland Fire Chief, Village of Port William Fire Chief, City of Wilmington Safety Director, Program Manager for National Weather Service – Wilmington Office

Mitigation Type: Prevention, Emergency Services

Funding Sources: HMGP

Status Description: An annual distribution of NOAA radios occurs during the Clinton County Fair which occurs during the second week of July.

Project 7.3.1: Coordinate with building code enforcement responsibilities to create an improved wind resistance requirement for buildings.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Clinton County Director of Building and Zoning Office, Village of Blanchester Administrator for Building and Zoning Office, Village of Clarksville Administrator for Building and Zoning Office, Village of Martinsville Administrator for Building and Zoning Office, Village of Midland Administrator for Building and Zoning Office, Village of New Vienna Administrator for Building and Zoning Office, Village of Port William Administrator for Building and Zoning Office, Village of Sabina Administrator for Building and Zoning Office, City of Wilmington Administrator for Building and Zoning Office

Mitigation Type: Prevention, Structural project

Funding Sources: Existing Budget

Status Description: No information was able to be obtained at this time.

Project 7.4.1: Coordinate with property owners to determine the feasibility and suitability for structures as protective shelters within mobile home parks.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester property owners, Village of Clarksville property owners, Village of Martinsville property owners, Village of Midland property owners, Village of New Vienna property owners, Village of Port William property owners, Village of Sabina property owners, City of Wilmington property owners

Mitigation Type: Prevention, Structural project

Funding Sources: PDM

Status Description: A Benefit-Cost Analysis (BCA) occurred in 2008 to determine the feasibility for these shelters and were determined to be too expensive, but with changes in construction methods and funding support sources, a new analysis is being completed.

Project 8.1.1: Develop an informational brochure to distribute about the different types of terrorism and how they might affect Clinton County

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Fire Chief, Village of Blanchester Police Chief, Village of Clarksville Fire Chief, Village of Clarksville Police Chief, Village of Martinsville Fire Chief, Village of Martinsville Police Chief, Village of Midland Fire Chief, Village of Midland Police Chief, Village of New Vienna Fire Chief, Village of New Vienna Police Chief, Village of Port William Fire Chief, Village of Port William Police Chief, Village of Sabina Fire Chief, Village of Sabina Police Chief, City of Wilmington Fire Chief, City of Wilmington Police Chief, Program Manager Ohio EMA

Mitigation Type: Public Education and awareness, Emergency Services

Funding Sources: HSGP

Status Description: New project

Project 8.1.2: Develop a presentation to give to civil organizations and schools about terrorism and what to look for

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Fire Chief, Village of Blanchester Police Chief, Village of Clarksville Fire Chief, Village of Clarksville Police Chief, Village of Martinsville Fire Chief, Village of Martinsville Police Chief, Village of Midland Fire Chief, Village of Midland Police Chief, Village of New Vienna Fire Chief, Village of New Vienna Police Chief, Village of Port William Fire Chief, Village of Port William Police Chief, Village of Sabina Fire Chief, Village of Sabina Police Chief, City of Wilmington Fire Chief, City of Wilmington Police Chief, Program Manager Ohio EMA

Mitigation Type: Public Education and awareness, Emergency Services

Funding Sources: HSGP

Status Description: New project

Project 8.2.1: Determine what is needed to solidify network security from internal and external entities.

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of IT Department, Program Manager for Ohio EMA

Mitigation Type: Property Protection, Emergency Services

Funding Sources: HSGP

Status Description: New project

Project 8.3.1: Increase guard presence at county facilities

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County, Blanchester, Clarksville, Martinsville, Midland, New Vienna, Port William, Sabina, Wilmington

Lead Agencies: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Fire Chief, Village of Blanchester Police Chief, Village of Clarksville Fire Chief, Village of Clarksville Police Chief, Village of Martinsville Fire Chief, Village of Martinsville Police Chief, Village of Midland Fire Chief, Village of Midland Police Chief, Village of New Vienna Fire Chief, Village of New Vienna Police Chief, Village of Port William Fire Chief, Village of Port William Police Chief, Village of Sabina Fire Chief, Village of Sabina Police Chief, City of Wilmington Fire Chief, City of Wilmington Police Chief, Program Manager Ohio EMA

Mitigation Type: Public Education and awareness, Emergency Services

Funding Sources: HSGP

Status Description: New project

Project 8.3.2: Obtain additional detection equipment to respond to possible terrorist attacks

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Health Department, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Program Manager for Ohio EMA

Mitigation Type: Public Education and awareness, Emergency Services

Funding Sources: HSGP

Status Description: New project

Project 9.1.1: Create a public information and education campaign for information dissemination about snow emergency alerts, snow levels, and corn stick windbreaks

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Executive Director for Clinton County Extension Services, Village of Blanchester Mayor, Village of Clarksville Administrator, Village of Martinsville Fire Chief, Village of Midland Mayor, Village of New Vienna Mayor, Village of Port William Mayor, Village of Sabina Mayor, City of Wilmington Safety Director, Village of Blanchester Police Chief, Village of Clarksville Police Chief, Village of Martinsville Police Chief, Village of Midland Police Chief, Village of New Vienna Police Chief, Village of Port William Police Chief, Village of Sabina Police Chief, City of Wilmington Police Chief

Mitigation Type: Public Information and Awareness

Funding Sources: Existing Budgets

Status Description: Annual winter preparedness presentations occur in conjunction with the Ohio Department of Transportation and the Clinton County Engineer

Project 9.2.1: Upgrade and replace damaged fence

Timeframe: 05/01/2015 to 05/01/2020

Jurisdictions: Clinton County Director of EMA, Clinton County Director of Engineering Office, Adams Township Trustee, Chester Township Trustee, Clark Township Trustee, Green Township Trustee, Jefferson Township Trustee, Liberty Township Trustee, Marion Township Trustee, Richland Township Trustee, Union Township Trustee, Vernon Township Trustee, Washington Township Trustee, Wayne Township Trustee, Wilson Township Trustee

Mitigation Type: Prevention, Structural project

Funding Sources: PDM

Status Description: Fencing has not occurred as the jurisdictional authorities have focused on other activities for funding thereby not funding this activity. Once funding has been arranged and as long as the priorities for activities do not change, discussions with land owners will occur to obtain ROW.

Projects

1. In 2010 we spent \$39,950 dollars getting log jams, trees ready to fall, some sand bars and any other obstructions removed from the creek between the R/R bridge west of town north and east to the Carl Evans property just West of North Howard Street. Approximately 6360 feet of creek bed was cleared. We did not do much on the banks just cleared the channel and made sure it should stay clear for some time. This helped our water flow quite a bit.
2. In early spring of 2012 we cleared the west creek bank and removed debris from the creek between US 22 and the r/r bridge west of the Village (1300 feet). This was a \$20,000 dollar project.
3. In the spring of 2013 we cleared the north side creek bank and removed debris from the Carl Evans and Pence line east to the N. Howard St. Bridge. Then on the south side from the bridge to the east limit of the village sewer plant property (2104 feet). This was a \$19,750 dollar project.

In project 1 we had a meeting and met at various locations along the creek and discussed the project. We had everyone there if you remember. The EPA allowed us to use fine money for this project.

Projects 2 and 3 were done with requirements from Clinton County Soil and Water. The bank was cleared, Field Tile outlets repaired where needed, grading was done and grass was planted.

All in all what we have done so far has made a big difference in our storm water situation. I do not believe the creek has been out of the banks since 2012.

I am currently working on a project to clear the west bank of the creek from St. Rt. 729 south around to St. Rt. 22 West (4784 Feet). And cleaning the northern creek bank from the R/R Bridge to the Pence and Cemetery line (3675 feet) I will be applying for a CDGB grant for this project. Most of it is out in the county. All we have done in the Pence area is clean the channel. Mr. Pence is very protective of his property and won't allow his bank to be cleared but I don't see that as much of a problem because the channel is much wider in his area. We do monitor the creek and ask permission to clear debris when needed.

Thank you

David A Michael, Mayor of the Village of Sabina

Figure 4.4.3.1.1



why

CODE RED®

Emergency Communication Made Easy.

Why select the CodeRED high-speed notification solution?

The web-based CodeRED® service, from Emergency Communications Network (ECN), was designed specifically to enable local government officials to record, send and track personalized voice, email and text messages to thousands of citizens in minutes.

Simple implementation. The CodeRED system is operational right now – calling data, mapping and dialing systems are all in place and ready for immediate use.

Ease of use. The CodeRED system was designed to be easy to use even under the most strenuous of conditions. Authorized users may launch messages via telephone or the Internet, from anywhere at any time.

Experience. ECN has been in the critical communications business for over a decade, pioneering technology that has delivered more than a billion messages.

Technology. Behind the scenes, ECN uses proprietary, patented technology to ensure messages are delivered in their entirety whether the call is picked up live by a person or an answering device. Real time reporting allows users to view the status of every communication.

Reliability. With multiple redundancies built in, ECN's sophisticated infrastructure has been designed to ensure delivery of critical communications. And since dependability is paramount, ECN manages its entire network and uses no third party dialers, eliminating an entire layer of potential failure.

Speed. ECN's massive system capacity is able to transmit millions of messages an hour. For each account, system resources are allocated to match local telephone infrastructure. This results in more connected calls, less network congestion and fewer busy signals during time-sensitive situations.

Affordability. ECN has priced its CodeRED solution to be cost-effective and all inclusive. There are no set-up fees to pay, no equipment to buy, no phone lines to lease and no annual maintenance is required. System time, training and support, initial calling database, mapping, integration of client supplied data and database clean-up are all included.



why



EMERGENCY COMMUNICATIONS NETWORK®

For more information
866-939-0911
ecnetwork.com

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Figure 4.7.1.1.1

4.2 IMPLEMENTATION OF MITIGATION ACTIONS

§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 identifies the priority for implementing the projects identified in Sections 3.0 and 4.1. Each current project is listed with a “primary coordinator” in Section 4.1 that should be responsible for the overall implementation of the project.

Project (i.e., strategy) prioritization occurred in three (3) phases. First, the Clinton County Core Planning Committee (HMC) ranked the 12 hazards considered by this plan, with “1” being the one to which they felt the county was most vulnerable and “12” being the hazard to which they felt the county to be least vulnerable.

Second, the HMC ranked the projects under each hazard by priority. Projects receiving a rank of “1” were considered to be the highest priority project *for that particular hazard*. The following criteria (roughly corresponding to the STAPLEE method) were used as considerations when prioritizing projects.

- **Social Impacts:** Consider whether the public would support implementation of the project. If so, priority likely rises.
- **Technical Feasibility:** Consider whether the project can be done and if it will yield the intended outcomes. If yes, priority would likely rise.
- **Administrative Requirements:** Consider the staffing, funding, and maintenance requirements of the project. If current capabilities can successfully manage and sustain the project, priority would be strengthened.
- **Political Impacts:** Consider the acceptability of the project from the political frame. If it is likely to cause political upheaval, it would receive a lower priority.
- **Legal Ramifications:** Consider whether the project can be lawfully implemented. If not, the project cannot be listed.
- **Environmental Impacts:** Consider whether there would be negative consequences to environmental assets should the project be implemented. If assets are impact, priority would be likely to fall.

- **Economic Impacts/Cost Benefit:** A brief “benefit cost review” per *FEMA Publication 386-5: Using Benefit Cost Review in Mitigation Planning* was conducted for each project to determine the “pros” and “cons” of each project as it related to project prioritization. Maximizing the use of available funds would positively affect a project’s priority.

Finally, to generate a complete, prioritized project list, the prioritized list of projects corresponding to the highest ranked hazard (i.e., the one to which the HMC felt the county was most vulnerable) was listed, followed by the prioritized list of projects corresponding to the second-highest ranked hazard, and so on. The HMC felt that organizing the priorities in this manner allowed for the greatest flexibility when implementing mitigation projects (yet still maintained compliance with state and federal prioritization requirements).

Clinton County		
Project Number	Mitigation Project	Priority
1.1.1	Collaborate with County Extension Services and private sector interests to purchase or otherwise create and distribute information dealing with disasters and how people can prepare/recover from them.	1
1.2.1	Create a clear written policy designating chain of command, listing names and job titles of persons responsible for making decisions, monitoring response, and recovering back to normal operations.	2
1.2.2	Develop specific instructions for shutting down equipment and production sites outside the facility and a process to account for all employees after an evacuation.	7
1.2.3	Procedures for employees responsible for shutting down critical operations before evacuating the facility	9
1.2.4	Specific training and practices scheduled and equipment requirements for persons responsible for rescue operations, medical duties, hazardous responses, firefighting, and other responses specific to work site.	10
1.2.5	Develop a program whereby emergency management teams trained for potential emergencies and the containment of those emergencies are created.	8
1.2.6	Update the Clinton County Emergency Operations Plan (EOP) and aid in creating Standard Operating Procedures (SOPs) for each department or agency	5
1.3.1	Create and distribute informational materials to homeowners informing them about disasters and how to recover.	4
1.4.1	Coordinate between Clinton County's and the municipal building and zoning offices to encourage the adoption of updated building codes.	6
1.5.1	Create a public information and education program that informs residents and officials of post-disaster strategies	3
2.1.1	Coordinate with the USACE to update dam safety plans and increase inspection rates on at risk dams.	27
3.1.1	Create a public information and education program highlighting the responsibilities residents have towards water conservation and resource use.	15
3.2.1	Coordinate with Subject Matter Experts on best practices to minimize drought impacts	16
4.1.1	Create a public information and education program to sensitize residents to the floodplain and the benefits of preserving these areas.	11
4.2.1	Coordinate with County agencies to modify policies and/or regulations allowing development to occur in floodplains.	12
4.3.1	Develop a program involving Public Information and Education to encourage donation of stream corridors and those areas adequately maintained free of debris.	13
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Clinton County		
<i>Project Number</i>	<i>Mitigation Project</i>	<i>Priority</i>
4.4.1	Update the base floodplain mapping to better allow the user to determine the precise floodplain	14
5.1.1	Complete a Commodity Flow Study (CFS) for Clinton County	18
5.2.1	Increase the training level of responders within Clinton County at the awareness, operations, and technician levels	17
5.2.2	Update and improve the level of hazardous material response equipment available in Clinton County.	19
6.1.1	Apply sprays	33
6.1.2	Clear infested trees which are damaged	34
7.1.1	Install warning sirens in areas of dense small populations	21
7.2.1	Distribute NOAA weather radios	22
7.3.1	Coordinate with building code enforcement responsibilities to create an improved wind resistance requirement for buildings.	23
7.4.1	Coordinate with property owners to determine the feasibility and suitability for structures as protective shelters within mobile home parks.	24
8.1.1	Develop an informational brochure to distribute about the different types of terrorism and how they might affect Clinton County	31
8.1.2	Develop a presentation to give to civil organizations and schools about terrorism and what to look for	32
8.2.1	Determine what is needed to solidify network security from internal and external entities.	28
8.3.1	Increase guard presence at county facilities	29
8.3.2	Obtain additional detection equipment to respond to possible terrorist attacks	30
9.1.1	Create a public information and education campaign for information dissemination about snow emergency alerts, snow levels, and corn stick windbreaks	25
9.2.1	Upgrade and replace damaged fence	26