

MATRIX RESULTS

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8.1 Matrix Results

The Core Group chose a total of 76 potential mitigation activities. Of those 76 activities, 24 were labeled as “prioritized” activities and are listed in the following sections. The Core Group evaluated the activities by first taking into account the risk assessment ranking of hazards located in Section 4.0 of this report. The various hazards had been ranked according to past historical events and the cumulative costs of each potential disaster.

The following matrices’ results show the average rating for all the Core Group members. Each member filled out an individual matrix, and then the results for each hazard were averaged. The hazard of flooding had the most activities associated with it. The top rated activities have been highlighted. Under severe storms and tornadoes, the activities that averaged over 19.0 were considered top rated activities. For floods, droughts and earthquakes, the three top rated activities were chosen. However, the other activities are important and should be re-evaluated during the monitoring process of the Mitigation Plan for Adams County. To see the complete list of mitigation alternatives for each hazard please see the complete matrix in Appendix J.

8.1.1 Matrix Results for Flooding

Adams County Matrix Totals	Matrix Totals	Matrix Totals	Matrix Totals	Average
1. Flooding - 100-year zone, non-flood zone, flash flooding				
Seek funding for undersized culverts and drainage along roadways.	25	25	25	25
Seek funding to provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.	25	25	25	25
Seek funding to increase manpower and equipment for townships and villages for debris removal.	25	25	25	25
Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.	25	25	25	25
Upgrade the radio communications system throughout the County for all public safety services. Seek funding to provide MARCS radios throughout the County.	25	25	25	25
Document which critical facilities do not have NOAA weather radios and seek funding to provide them to those documented without radios.	25	25	25	25

The five highest rating activities within the severe storms hazard category include:

- Seek funding for undersized culverts and drainage along roadways.
- Seek funding to provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.
- Seek funding to increase manpower and equipment for townships and villages for debris removal.

- Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.
- Upgrade the radio communications system throughout the County for all public safety services. Seek funding to provide MARCS radios throughout the County.
- Document which critical facilities do not have NOAA weather radios and seek funding to provide them to those documented without radios.

8.1.2 Matrix Results for Severe Storms

Adams County Matrix Totals	Matrix Totals	Matrix Totals	Matrix Totals	Average
2. Severe Storms - Winter/Summer				
Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.	25	25	25	25
Seek funding to increase manpower and equipment for townships and villages for snow and debris removal.	25	25	25	25
Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.	25	25	25	25
Provide/Encourage NOAA weather radios for all critical facilities within the County.	25	25	25	25
Upgrade the radio communications system throughout the County for all public safety services. Seek funding for MARCS radios for all necessary public entities.	25	25	25	25
Upgrade existing and provide additional shelters where residents, especially the medically fragile, can seek safety from severe weather. Provide at least one shelter for each jurisdiction. (talk to red cross)	25	25	25	25

The five highest rating activities within the severe storms hazard category include:

- Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.
- Seek funding to increase manpower and equipment for townships and villages for snow and debris removal.
- Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.
- Provide/Encourage NOAA weather radios for all critical facilities within the County.
- Upgrade the radio communications system throughout the County for all public safety services. Seek funding for MARCS radios for all necessary public entities.
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- Upgrade existing and provide additional shelters where residents, especially the medically fragile, can seek safety from severe weather. Provide at least one shelter for each jurisdiction. (talk to red cross)

8.1.3 Matrix Results for Droughts / Extreme Temperatures

Adams County Matrix Totals	Matrix Totals	Matrix Totals	Matrix Totals	Average
3. Droughts - Severe				
Provide alternate potable water source in the event that existing water supplies are disrupted or wells run dry.	25	25	25	25
Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.	25	25	25	25
Provide temporary facilities for non-life threatening emergencies to alleviate the overloading of the medical facilities.	25	25	25	25
Seek funding for dry hydrants	25	25	25	25

The four highest rating activities within the severe storms hazard category include:

- Provide alternate potable water source in the event that existing water supplies are disrupted or wells run dry.
- Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.
- Provide temporary facilities for non-life threatening emergencies to alleviate the overloading of the medical facilities.
- Seek funding for dry hydrants

8.1.4 Matrix Results for Tornadoes

Adams County Matrix Totals	Matrix Totals	Matrix Totals	Matrix Totals	Average
4. Tornadoes				
Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.	25	25	25	25
Seek funding to increase manpower and equipment for townships and villages for debris removal.	25	25	25	25
Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.	25	25	25	25
Provide/Encourage NOAA weather radios for all critical facilities within the County.	25	25	25	25
Upgrade the radio communications system throughout the County for all public safety services.	25	25	25	25
Develop a mapping system to identify existing shelters, where residents can go to seek safety in the event of severe weather. Coordinate with the Red Cross on identifying existing shelters.	25	25	25	25

The five highest rating activities within the severe storms hazard category include:

- Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.
- Seek funding to increase manpower and equipment for townships and villages for debris removal.

- Develop a public education program for informing residents about the benefits of having NOAA radios and Family Disaster Plans, which will help them better respond to an emergency situation.
- Provide/Encourage NOAA weather radios for all critical facilities within the County.
- Upgrade the radio communications system throughout the County for all public safety services.
- Develop a mapping system to identify existing shelters, where residents can go to seek safety in the event of severe weather. Coordinate with the Red Cross on identifying existing shelters.

8.1.5 Matrix Results for Earthquakes

Adams County Matrix Totals	Matrix Totals	Matrix Totals	Matrix Totals	Average
5. Earthquakes				
Provide alternate potable water source in the event that existing water supplies are disrupted or wells run dry.	25	25	25	25
Seek funding to develop a Volunteer Reception Center for coordinating volunteers who are willing to help with the response of a severe weather incident.	25	25	25	25
Seek funding to provide early warning system, such as reverse 9-1-1, to warn residents of emergency situations.	25	25	25	25
Seek funding to increase manpower and equipment for townships and villages for debris removal.	25	25	25	25
Upgrade the radio communications system throughout the County for all public safety services.	25	25	25	25
Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.	25	25	25	25

The five highest rating activities within the severe storms hazard category include:

- Provide alternate potable water source in the event that existing water supplies are disrupted or wells run dry.
- Seek funding to develop a Volunteer Reception Center for coordinating volunteers who are willing to help with the response of a severe weather incident.
- Seek funding to provide early warning system, such as reverse 9-1-1, to warn residents of emergency situations.
- Seek funding to increase manpower and equipment for townships and villages for debris removal.
- Provide back-up generators for critical facilities, including shelters, which need to maintain continuous power to protect human health and life.
- Upgrade the radio communications system throughout the County for all public safety services.

8.2 Mitigation Alternatives for Each Participating Community

Each of the participating communities was required to select a mitigation alternative or alternatives for their community to support. Individual communities are responsible for implementing these activities.

All the participating communities felt comfortable with the Core Group results and the highest prioritized mitigation alternatives are what they would like to have as their selected mitigation alternatives.

8.3 Action Plan

The culmination of Adams County's Mitigation Plan is an Action Plan. The general direction of the overall program is outlined in this document. Specific activities pursuant to the general direction are detailed in the Action Plan that is placed in Appendix K for ease of access. The overall direction of the Action Plan is to give the Core Group an easily accessible document to check their status on implementing their chosen mitigation alternatives. A more detailed benefit/cost analysis will be conducted once the Mitigation Plan Alternatives are evaluated more critically and turned into actual implemental mitigation projects.

8.4 Mitigation, Plan Maintenance and Schedule

The Core Group, in conjunction with the Adams County EMA, will establish methods for monitoring and evaluating the Mitigation Plan for the county and its participating incorporated jurisdictions on a five-year cycle. The Adams County EMA will refer to the Mitigation Plan wherever feasible within the existing documents that support mitigation and growth within Adams County.

The Core Group will initially meet on a yearly basis, as determined by the Adams County EMA, once the Mitigation Plan has been approved by the State of Ohio and FEMA. At these initial yearly meetings, it will be decided whether the Mitigation Plan needs to be updated immediately or to wait and collectively do the updates on the five-year cycle. The Core Group will evaluate the Mitigation Plan and act as a forum for hazard mitigation issues. The Core Group's detailed Action Plan will act as a guide in evaluating the Mitigation Plan. The Action plan will also provide a method for monitoring the Mitigation Plan, as well as a schedule for the implementation of the mitigation alternatives. The success of the Mitigation Plan depends upon the efforts of the Core Group to become involved with other planning efforts in the community. Communities will be able to use the plan for a variety of activities, including implementing specific mitigation projects, as well as implementing changes in the daily operation of the local government. To ensure the success of an ongoing program, it is critical that the plan remains relevant to the County's growth and development. Thus, it is important for the County to conduct periodic evaluations and make revisions as needed, as well as incorporate changes into other planning documents in the County. The Core Group will review the goals and action items on a yearly basis, as needed, to determine their relevance to changing situations in Adams County and ensure that they are addressing current and expected conditions. They will also review the risk assessment portion of the mitigation plan to determine if this information should be updated or modified, given any new available data. The public will be involved on a continuous basis. Public involvement will be accomplished by establishing a website whereby the mitigation action items that are slated for development that current year will be highlighted. The public will be encouraged to participate in the continued development of the Mitigation Plan. There will also be a formalized press release developed for their annual review process.

8.5 Local Planning Mechanisms

There are several local planning mechanisms in place within the County, which are described in detail in Section 7.2 Preventive Measures. This section of the Mitigation Plan describes existing plans and efforts in the community, when they were adopted and what the document does for the community.

Within three years of the formal adoption of the Mitigation Plan, the Core Group will strive to incorporate into the process of existing planning mechanisms any local policies recommended for revision by the Action Plan developed as part of this effort. The County utilizes comprehensive land use planning, development standards and building codes, as well as various other regulatory mechanisms to guide and control development in the community. Since the County has autonomy over these various tools, the County can augment them as necessary to address applicable hazard mitigation requirements. However, as a community that exists in a rural area, many of these processes may also affect neighboring communities and development. To ensure that altering these standards does not negatively affect adjacent communities, Adams County will seek consistency and collaboration with its counterpart regulatory documents from surrounding jurisdictions. After adoption of the *Adams County All Natural Hazards Mitigation Plan*, the Core Group should encourage its incorporated jurisdictions to be aware of the hazards that are affected by the planning and development decisions they may make and implement. The Adams County All Natural Hazards Mitigation Core Group will conduct periodic reviews of the planning documents described in Section 7.2. The Core Group will also analyze any plan amendments, and provide technical assistance if needed to any incorporated jurisdiction participating in this effort.

8.6 Resolution of Adoption

The Adams County Commissioners will be passing a Resolution or Ordinance of Support for the Adams County countywide Mitigation Plan after contingent approval from the State of Ohio EMA as well as FEMA. Examples of the Resolution of Adoption that will be presented to the Commissioners, as well as the Ordinance that the participating incorporated jurisdictions will pass, are provided on the following pages.

RESOLUTION NO. _____

ADOPTION OF THE ADAMS COUNTY COUNTYWIDE ALL NATURAL HAZARDS
MITIGATION PLAN COUNTY NATURAL HAZARDS MITIGATION PLAN AND
ESTABLISHMENT OF A ADAMS COUNTY COUNTYWIDE ALL NATURAL HAZARDS
MITIGATION PLAN COUNTY HAZARD MITIGATION CORE GROUP

WHEREAS, on _____, the Adams County Commissioners passed Resolution No. _____ adopting the ADAMS COUNTY COUNTYWIDE ALL NATURAL HAZARDS MITIGATION PLAN (the Mitigation Plan) pursuant to _____ which established goals to minimize and reduce stormwater damages to existing structures and land use in order to maximize the protection of public health, safety, and welfare, and identify and develop revenue sources to complete the goals and objectives; and

WHEREAS, the mission of the Adams County Countywide All Natural Hazards Mitigation Plan Core Group is: “To develop a working document that fulfills the mandates of the Federal Disaster Mitigation Act of 2000, and satisfies the requirements of FEMA and the Ohio EMA, as well as meets the needs of all of Adams County. Further, by researching and planning for future natural hazards and implementing appropriate mitigation techniques, all of Adams County can save lives and protect property, reduce the cost of disasters and provide for a rapid and efficient recovery by coordinating response efforts, and increasing the educational awareness of natural hazard events and their effects on the people, property, and resources of all Adams County.”; and

WHEREAS, on May 25th, 2004, the Adams County Emergency Management Agency Director approved the development of a Mitigation Plan on behalf of the Adams County Board of County Commissioners; and

WHEREAS, a Mitigation Plan for Adams County will be required beginning in November 1st, 2004 to receive any state or federal mitigation funding such as flood prone property improvement or buyout funds; and

WHEREAS, the County of Adams County is subject to flooding, tornadoes, winter storms, and other natural hazards that can damage property, close businesses, disrupt traffic, and present a public health and safety hazard; and

WHEREAS the Mitigation Planning Core Group, comprised of representatives from the County, municipalities and stakeholder organizations, has prepared a recommended Mitigation Plan that reviews the options to protect people and reduce damage from these natural hazards; and

WHEREAS, the recommended Mitigation Plan has been widely circulated for review by the County’s residents and federal, state and regional agencies and has been supported by those reviewers.

NOW, THEREFORE BE IT RESOLVED by the Adams County Commissioners that:

1. ADAMS COUNTY COUNTYWIDE ALL NATURAL HAZARDS MITIGATION PLAN is hereby adopted as an official plan of Adams County.

2. The Mitigation Planning Core Group is hereby established as a permanent advisory body. It shall be composed of representatives from the existing Mitigation Planning Core Group, as

recommended by the Adams County Emergency Management and Homeland Security Office. This includes those municipalities that pass a resolution to adopt for the Mitigation Plan.

3. The Core Group shall meet as often as necessary to prepare or review mitigation activities and progress toward implementing the Mitigation Plan. It shall meet at least once each year to review the status of ongoing projects.

4. The schedule of Core Group meetings shall be posted in appropriate places. All meetings of the Core Group shall be open to the public.

5. By November 30 each year, the Core Group shall prepare an annual evaluation report on the Mitigation Plan for the County Board of Commissioners and the municipalities.

The report will cover the following points:

a. A review of the original plan.

b. A review of any natural disasters that occurred during the previous calendar year.

c. A review of the action items in the original plan, including how much was accomplished during the previous year.

d. A discussion of why any action items were not completed or why implementation is behind schedule.

e. Recommendations for new projects or revised action items. Such recommendations shall be subject to approval by the County Board of Commissioners and the affected municipality's governing boards as amendments to the adopted plan.

6. The director of each County office identified as "responsible agency" for the Mitigation Plan's action items shall ensure that the action item is implemented by the listed deadline subject to fiscal and staff time constraints.

Passed by the Adams County Board of Commissioners on

Vote:

Yes ____

No ____

ORDINANCE NO. _____

AN ORDINANCE APPROVING AND ADOPTING THE COUNTYWIDE ALL NATURAL
HAZARDS MITIGATION PLAN PREPARED BY EMH&T, INC.

WHEREAS, the _____ County Commissioners have approved the aforementioned plan by resolution, and

WHEREAS, the Plan will fulfill the mandates of the Federal Disaster Mitigation Act of 2000, satisfies the requirements of FEMA and Ohio EMA, and meets the needs of _____ County,

NOW, THEREFORE, Be it ordained by the Council of the City/Village of _____,
State of Ohio:

SECTION 1: That the Countywide All Natural Hazards Mitigation Plan as prepared by EMH&T, Inc., and approved by the _____ County Commissioners, is hereby approved and adopted.

SECTION 2: That this Ordinance shall take effect and be enforced from and after the earliest period allowed by law.

ADOPTED: _____, 2005.

ATTEST: _____

Clerk of Council

President of Council

Date filed with Mayor: _____, 2005.

Date approved by Mayor: _____, 2005.

Mayor

Approved as to form: _____
Director of Law