

## **6.0 GOALS AND ACTION ITEMS**

Goals were needed for this planning effort to guide the review of the possible mitigation measures. The recommended actions of this plan are consistent with what is appropriate for all of Butler County's jurisdictions. Mitigation goals reflect community priorities and should be consistent with other plans for the county and municipalities. Mitigation goals and actions items were prioritized by hazard using the risk assessment and ranking compiled in section 4.0 of this plan.

While previous goals and mitigation action items existed in the 2003 Mitigation Plan, the Overhead and Development Committee believed that new and more strategic goals were needed in this 2011 update and therefore past 2003 goals were deleted and new ones created. A cost-benefit review was used to maximize the benefits of each action. The pros and cons of each action are reflected in the benefits and costs.

The goals and action items developed are shown in the following charts, along with bulleted problem statements, start/end dates for projects, agencies involved, resources needed, and the current status of the projects.

## 6.1 All Hazards

- Current emergency notification mechanisms may not reach all citizens at risk
- It is presently unknown if there are a sufficient number of emergency shelters in Butler County for all citizens
- Existing emergency shelters in Butler County are inadequately publicized and/or located to respond to significant disasters

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Reduce health and safety risk to the Butler County community in the event of a significant disaster	1. Investigate feasibility of new emergency notification options that will improve notification through local television/radio/telephone/facebook/twitter	June 2011-Dec 2011	Emergency Management County IT BRICS	ALL	Existing Budget	NEW
	2.Establish a countywide list of emergency shelters	June 1 <sup>st</sup> –June 30 <sup>th</sup> 2011	Emergency Management Red Cross	ALL	Existing Budget	NEW
	3. Asses capabilities of emergency shelters throughout Butler County to make sure they are adequate to meet potential demands	June 1 <sup>st</sup> – June 30 <sup>th</sup> 2011	Emergency Management Red Cross	ALL	Existing Budget	NEW
	4. Apply for grant funding to purchase/develop new emergency notification mechanisms	June 2011- June 2016	Emergency Management County IT BRICS	ALL	Grants	NEW
2.Ensure Public Funds are used in most efficient and effective manner	1. Seek and secure grants for mitigation activities	June 2011- June 2016	Emergency Management	ALL	Existing Budget	NEW

## 6.2 Severe Storms

- Above ground utilities are exposed to damage and could cause widespread outages
- Citizens are not aware of all the dangers of lightning and how to minimize the risks
- Citizens do not utilize weather radios in an efficient manner
- Utility outages cause damage to electronics, perishable food items and put vulnerable and disabled populations at risk
- Communications could be disrupted for an extended period of time

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Ensure public safety and reliable utility service during severe storms	1. Place a high priority on tree trimming/maintenance throughout the county to protect power lines	June 2011-June 2016	Emergency Management Butler County Engineer	ALL	Existing Budget	NEW
	2. Seek funding for back-up generators for all critical facilities in the county	June 2011-Jan 2016	Emergency Management	ALL	Mitigation Grants/County General Funds	NEW
	3. Create general outreach/pamphlets on preparedness activities as it relates to severe storms	June 2011-Dec 2011	Emergency Management	ALL	Existing Budget	NEW
	4. Implement improved severe weather forecasting and warning systems	June 2011- Dec 2012	Emergency Management	ALL (specifically Madison Twp, Wayne Twp, Morgan Twp, HanoverTwp)	Grants/County General Funds	NEW
2. Reduce damage to public and private property during severe storm events	1. Investigate developing stricter building codes that would better withstand strong winds associated with severe storms	June 2011- June 2016	Emergency Management Butler County Building & Zoning	ALL	Existing Budget	NEW
	2. Identify historic/architecturally significant buildings and critical infrastructure in county that may need structural upgrades to withstand events associated with severe storms	June 2011- June 2016	Emergency Management Butler County Building & Zoning	City of Hamilton City of Fairfield City of Middletown	Grants/County General Funds	NEW

## 6.3 Floods

- River and flash flooding in Butler County currently has the potential to cause significant property damage, interruption of business and government services, personal injury and loss of life

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1.Minimize losses caused by river and flash flooding to private and public property	1. Develop accurate flood insurance maps for the county	June 1 <sup>st</sup> - June 30 <sup>th</sup> 2011	Emergency Management Butler County Building & Zoning	ALL (Townships, Cities, Villages)	Existing Budget	Ongoing 80%
	2. Identify and inventory all structures that are subject to flood damage, including critical facilities and repetitive loss properties and prepare feasibility studies pertaining to potential future projects to alleviate issues	June 2011- Dec 2011	Emergency Management Butler County Building & Zoning	City of Fairfield City of Hamilton City of Middletown Village of Somerville Unincorporated Butler County areas	Existing Budget	NEW
	3. Inform insurance agents and public of the National Flood Insurance Program and FEMA floodplain regulations	June 1 <sup>st</sup> – June 30 <sup>th</sup> 2011	Emergency Management	ALL	Existing Budget	NEW
	4. Develop a public education program for residents and business owners located in flood-prone areas regarding river set-backs, erosion, and other soil and flood related issues	June 2011- June 2012	Emergency Management Butler County Building & Zoning Butler County Soil and Water Conservation District	ALL	Existing Budget	NEW

	5. Develop a countywide plan for susceptible structures in floodplain by investigating feasibility of moving structures to safer locations	June 2011- June 2016	Emergency Management Butler County Building & Zoning	ALL (Specifically City of Fairfield, St. Clair Township, Village of New Miami)	Mitigation Grants	NEW
	6. Maintain full participation in the National Flood Insurance Program throughout Butler County	June 2011-June 2016	Emergency Management Butler County Building & Zoning	ALL	Existing Budget	NEW
	7. Develop a flood monitoring and notification program that can be used to warn residents and business owners in flood-prone areas	June 2011- June 2013	Emergency Management	ALL	Existing Budget	NEW
2. Minimize the danger and property damage associated with a potential Class 1 Dam failure in the county	1. Work with ODNR to develop accurate inundation maps for all areas downstream of the Class 1 dams within the county	June 2011- June 2013	Emergency Management ODNR	City of Oxford Oxford Township Hanover Township Ross Township City of Fairfield City of Middletown Madison Township West Chester Township	Existing Budget	NEW
	2. Work with ODNR and dam owners to develop emergency action plans for each Class 1 and Class II dam in the county	June 2011- June 2016	Emergency Management ODNR	City of Oxford Oxford Township Hanover Township Ross Township City of Fairfield City of Middletown Madison Township West Chester Township	Existing Budget	NEW
	3. Develop a public education program for residents and business owners located within the inundation areas down stream of a Class 1 Dam	June 2011-June 2012	Emergency Management	City of Oxford Oxford Township Hanover Township Ross Township City of Fairfield City of Middletown Madison Township West Chester Township	Existing Budget	NEW

## 6.4 Winter Storms

- Utilities exposed during winter storms may be damaged and lead to outages
- Many citizens may not have the means to dress adequately for winter conditions
- Transportation routes can become blocked and interrupt services
- Lack of understanding by the public of snow emergency levels

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Reduce vulnerability of county infrastructure during future winter storm events	1. Develop an informational program to encourage local utility companies to bury future utility lines	June 2011-Dec 2012	Emergency Management Butler County Building & Zoning	ALL	Existing Budget	NEW
	2. Ensure that county engineer's office, city road departments, and township road departments have an adequate amount of snow removal vehicles and equipment	June 2011- Dec 2012	Emergency Management County Engineer City Road Depts. Township Road Depts.	ALL	Existing Budget	NEW
	3. Investigate developing stricter building codes that would better withstand winter storms	June 2011- June 2016	Emergency Management Butler County Building & Zoning	ALL	Existing Budget	NEW
2. Reduce vulnerability of the public during a future winter storm	1. Provide the public with information about potential property damage from winter storms	June 2011-September 2011	Emergency Management	ALL	Existing Budget	NEW
	2. Develop an educational program for the public regarding "snow emergency levels" and other winter storm warnings	June 2011-September 2011	Emergency Management	ALL	Existing Budget	NEW
	3. Work with community groups to identify potential citizens that would be considered "at-risk" during winter storms	June 2011- Dec 2013	Emergency Management	ALL	Existing Budget	NEW
	4. Work with Red Cross to ensure that all shelters will be operational during winter storm events (potential power outages, heating issues)	June 2011-Dec 2011	Emergency Management Red Cross	ALL	Existing Budget	NEW

## 6.5 Tornadoes

- Public is inadequately trained on how to respond to a tornado warning or watch
- Shelters may be inadequately supplied to local emergencies
- Tornadoes paths are impossible to predict
- Warning sirens within the county are inadequate

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Reduce health and safety risk to Butler County community in the event of a tornado	1. Continue to review and update existing warning siren coverage throughout the county	June 2011-June 2016	Emergency Management	ALL	Grants/General Funds	NEW
	2. Establish a tornado warning siren public education program throughout the county	June 2011- Dec 2011	Emergency Management	ALL	Existing Budget	NEW
	3. Develop a program to make weather radios more available to community residents	June 2011-Dec 2013	Emergency Management	ALL	Grants	NEW
	4. Establish an ongoing weather spotter training course	June 2011- Dec 2013	Emergency Management	ALL	Existing Budget	NEW
	5. Evaluate the need for tornado safe rooms and shelter rooms at schools and critical facilities throughout the county	June 2011- Dec 2013	Emergency Management	ALL	Existing Budget	NEW

## 6.6 Droughts

- Water supply could be depleted during extreme drought
- Livestock and agricultural losses can become high due to lack of water
- Deep wells may deplete water source and increase flow of contaminants into aquifers
- Rural areas dependant on private wells and cisterns are extremely vulnerable
- The risk of forest and field fires increase

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Reduce economic impact of drought on the county	1. Establish a comprehensive list of areas, businesses, and people prone to drought so they would be assisted quickly during drought incidents	June 2011-Dec 2012	Emergency Management Ohio State University Branch-Butler Co. Butler County Soil and Water District	ALL	Existing Budget	NEW
	2. Establish MOU's with private contracts for water and ice distribution in case a prolonged drought occurs	June 2011- Dec 2012	Emergency Management	ALL	Existing Budget	NEW
	3. Seek out potential state and federal subsidy programs for crop losses due to drought	June 1 <sup>st</sup> - June 30 <sup>th</sup> 2011	Emergency Management Ohio State University Branch-Butler Co. Butler County Soil and Water District	ALL (Specifically Western area of county where crop land is predominant)	Existing Budget	NEW
2. Minimize potential fire losses due to drought conditions	1. Develop public education campaign for awareness to the increased risk of wildfires during drought and dry conditions	June 2011- June 2012	Emergency Management	ALL (Specifically Western area of county where crop land is predominant)	Existing Budget	NEW
	2. Develop an inventory of possible alternative water sources (i.e. lakes, ponds) that can supplement firefighting efforts during dry and drought conditions	June 2011- Dec 2013	Emergency Management	ALL	Existing Budget	NEW

## 6.7 Earthquakes

- Residents are unaware of or apathetic to the threat of earthquakes in this region
- Existing buildings may not have been built using earthquake design standards
- Older, particularly brick structures in Butler County are more susceptible to damage
- Current state and local codes may not include adequate earthquake design standards

GOALS	ACTION ITEMS	START/END DATES	AGENCY	TARGETED JURISDICTIONS	RESOURCES	STATUS
1. Increase public awareness of earthquakes and associated risks to health, safety, and private property	1. Update potential earthquake impact information regarding the county and disseminate it to the public	June 2011-Dec 2012	Emergency Management	ALL	Existing Budget	NEW
2. Improve first responder capabilities that will reduce fatalities in an earthquake event	1. Continue training of the Butler County Tech Rescue Team for incidences dealing with structural collapse	June 2011-June 2016	Emergency Management	ALL	Existing Budget	NEW
	2. Continue to provide all necessary support and equipment to Butler County Tech Rescue Team	June 2011- June 2016	Emergency Management	ALL	Grants/County General Funds	NEW
3. Reduce damages to existing and future county critical infrastructure from earthquakes	1. Identify all potential critical infrastructure that may be at risk for damages resulting from earthquake events	June 2011- June 2012	Emergency Management	ALL (Specifically Eastern area of county where development is prominent)	Existing Budget	NEW
	2. Identify funding sources for implementing earthquake risk reduction practices in the county on critical facilities	June 2011- Dec 2012	Emergency Management	ALL	Existing Budget	NEW

