

APPENDIX 4: COMPLETED & DELETED PROJECTS

Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
1.1.2	Dam Failure		Coordinate with the ODNR, Dam Safety Engineering Program to conduct periodic safety inspections of existing dams in Washington County, and garner community support for the removal or repair of dams in disrepair.	1 Year	ODNR		Prevention	No additional cost	N/A
Status: Deleted. This falls under ODNR's normal operations									
2.1.1	Drought		Develop an informational brochure to distribute to local farmers and residents.	6 Months	Natural Resources Conservation Service, Farm Bureau		Public Education and Awareness	\$3,000	USDA
Status: Deleted. Public information has been consolidated among the various hazards.									
2.1.2	Drought		Educate local residents on the benefits of conserving water at all times, not just during a drought.	1 Year	Local water providers, local health departments		Public Education and Awareness	\$3,000	Local funding, PDM
Status: Deleted. Public education has been consolidated among the various hazards									
2.2.2	Drought		At the direction of local water providers, establish an ordinance to prioritize or control water use during emergency drought conditions.	1 Year	County Commission		Prevention	No additional funding for an ordinance	N/A
Status: Deleted. Passing and enforcing an ordinance is not feasible and is not within the purview of this plan.									
3.1.1	Earthquake		Develop an information brochure	6 Months	Washington County EMA		Public Education and	\$3,000	PDM



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							Awareness		
Status: Deleted. Public information has been consolidated among the various hazards.									
4.1.1	Epidemic		Produce public awareness campaigns on local media outlets.	Immediately following a declaration	Washington County EMA, local health departments		Public Education and Awareness	Unknown	PDM, Local funding
Status: Deleted. Epidemic was deleted as a hazard in the 2016 plan update.									
4.2.1	Epidemic		Coordinate with the county health department to identify the source of the epidemic and determine appropriate actions for the general public to take to reduce or slow the spread of the disease, especially following severe flooding.	Next epidemic outbreak	Local hospitals and health departments		Emergency services	No additional funding	N/A
Status: Deleted. Epidemic was deleted as a hazard in the 2016 plan update.									
4.2.2	Epidemic		Encourage residents to receive immunizations against communicable diseases	1 Month	Local hospitals and health departments		Prevention	No additional funding	N/A
Status: Deleted. Epidemic was deleted as a hazard in the 2016 plan update.									
5.2.1	Flooding		Encourage active cooperation between the Community Development Office and the various watershed groups in the county to accurately identify flood prone areas and suggest additional mitigation strategies.	2 Years	Community Development Office, Watershed Groups		Public Education and Awareness	No additional funding	N/A
Status: Completed									
5.2.2	Flooding		Review and update floodplain maps on a regular basis.	On-going	FEMA		Public Education and	No additional funding	N/A



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							Awareness		
Status: Completed									
5.2.3	Flooding		Develop a specific flood mitigation plan(s) for flood prone areas to accompany this mitigation plan and the county's comprehensive plan.	2 Years	FEMA, Ohio EMA		Prevention	\$30,000 - \$60,000	Local Funding
Status: Deleted. Flood mitigation plans are included in the Hazard Mitigation Plan									
5.2.6	Flooding		Purchase and strategically place rain gauges throughout portions of the county in order to provide more adequate warnings of possible flooding than the existing gauges in Morgan County.	2 Years	Washington County EMA, Watershed Groups		Prevention, Property Protection	Up to \$20,000	Local Funding
Status: Completed. Gauge placed in Stanleyville. Flow and stream gauges placed in Macksburg and on Kohl Road in Fearing Township.									
5.2.7	Flooding		Develop a brochure to distribute to local residents detailing strategies to reduce flood damage to individual houses and personal property.	1 Year	Washington County EMA		Public Education and Awareness	\$3,000	Local Funding
Status: Deleted. Public information has been consolidated among the various hazards									
5.3.1	Flooding		Consider elevating low bridge decks or examining the feasibility of removing bridge piers to allow water to flow freely, especially at times of elevated water levels.	5 Years	County Engineer		Structural Projects	\$100,000 - \$1,000,000	FMA, CDBG, Local Funding
Status: Deleted. This project has been deemed unfeasible.									
5.3.2	Flooding		Consider removing old bridges that cause problems in flood prone areas and replace them with new bridges constructed in	5 Years	County Engineer		Structural Projects	\$100,000 - \$1,000,000	FMA, CDBG, Local Funding



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			such a way as to allow water to flow freely.						
Status: Deleted. This project has been deemed unfeasible.									
5.3.3	Flooding		Consider realigning streams prone to flooding, straightening bends and lessening water through once flood-prone areas. NOTE: This strategy should only be considered following a detailed study outlining the downstream effects.	5 Years	USACOE, County Engineer, Watershed groups		Prevention, property protection	Up to \$2 Million per stream	Flood Control Act funding, Local funding
Status: Deleted. This project has been deemed unfeasible.									
5.3.7	Flooding		Identify potential sites and coordinate with the USACOE to assess the feasibility of constructing earthen dams or dikes along waterways prone to flooding and in areas where property owners are willing to give land.	5 years	USACOE, County Engineer, Watershed groups		Prevention, Property Protection	Up to \$100,000	Flood Control Act funding, Local funding
Status: Deleted. Project is combined with an on-going project									
5.4.1	Flooding		Clean/drag portions of Duck Creek, clearing log jams, trees and shrubs, and sediment bars.	5 Years	USACOE, County Engineer		Prevention	Up to \$500,000	Flood Control Act funding, Local funding
Status: Deleted. Project is included within an on-going project									
5.4.2	Flooding		Consider placing dikes along Duck Creek in areas that are densely populated.	5 Years	USACOE, County Engineer		Prevention	\$50,000 - \$100,000	Flood Control Act funding, Local funding
Status: Deleted. Project has been deemed unfeasible.									
5.4.3	Flooding		Coordinate with the USACOE to assess the feasibility of building a dam along Duck Creek.	5 Years	USACOA, County Engineer		Prevention	Up to \$100,000	USACOE, Local Funding
Status: Deleted. Project has been deemed unfeasible.									



Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
5.5.1	Flooding		Develop building codes/zoning regulations to limit development in the county's floodplain.	3 Years	County Commission		Prevention, Property Protection	No additional funding	N/A
Status: Deleted. Passing and enforcing an ordinance is not feasible and is not within the purview of this plan.									
5.5.2	Flooding		Research the legality of and methods for tracking and enforcing ordinances prohibiting the filling of streams and makes accountable frequent offenders of the ordinances	5 Years	County Commission		Prevention, Property Protection	No additional funding	N/A
Status: Deleted. Passing and enforcing an ordinance is not feasible and is not within the purview of this plan.									
6.1.1	Hailstorm		Coordinate efforts with the local media to broadcast advance warnings of hailstorms.	6 Months	Washington County EMA		Public Education and Awareness	No additional funding	N/A
Status: Deleted. Hail has been included in the "severe weather" hazard.									
6.1.2	Hailstorm		Encourage local township trustees to use NOAA weather radios that continuously broadcast National Weather Service forecasts and provide direct warnings for natural, technological, and man-made hazards and notify their constituents of impending severe weather.	3 Months	Washington County EMA		Public Education and Awareness	\$3,500 to purchase weather radios	Local Funding
Status: Deleted. Hail has been included in the "severe weather" hazard.									
7.1.1	Infestation		Develop an informational brochure to distribute to local farmers and residents.	6 Months	ODNR		Public Education and Awareness	\$3,000	Local Funding



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							SS		
Status: Deleted. Infestation was removed from the 2016 update.									
7.2.1	Infestation		Consider demolishing and clearing vacant and/or condemned structures within Washington County to prevent rodent and other infestations.	6 Months	Local Property Owners		Prevention	Up to \$10,000 per structure	Local Funding
Status: Deleted. Infestation was removed from the 2016 update.									
8.1.2	Mass Movement		Consider revising the county's comprehensive plan to ensure the plan does not suggest development that is inappropriate for subsidence prone areas.	1 Year	Community Development Office		Prevention	No additional funding	N/A
Status: Deleted. Committee states that discouraging development is inappropriate within the purview of this plan.									
9.1.1	Thunderstorms		Coordinate with the National Weather Service (NWS) to warn residents of impending severe thunderstorm conditions.	3 Years	Washington County EMA, NWS		Public Education and Awareness	No additional funding	N/A
Status: Deleted. Thunderstorms have been included in the "severe weather" profile.									
9.1.2	Thunderstorms		Encourage township trustees to use of NOAA weather radios that continuously broadcast NWS forecasts and warn township residents that severe weather possibly requiring action (e.g. evacuation, individual mitigation measures, etc.) is imminent.	3 Months	Washington County EMA		Public Education and Awareness	Up to \$3,500 for weather radios	Local funding
Status: Deleted. Thunderstorms have been included in the "severe weather" profile.									
9.1.3	Thunderstorms		Use of the Emergency Alert System (EAS) on commercial radio, television, and cable	Immediately	Washington County EMA		Public Education and	No additional funding	N/A



Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
			systems to send out emergency information targeted to specific areas.				Awareness		
Status: Deleted. Thunderstorms have been included in the “severe weather” profile.									
9.1.4	Thunderstorms		Ensure that surge protection, such as surge protectors and grounding, has been installed on all critical electronic equipment owned by county government.	1 Month	County IT Staff or Consultant		Prevention	Little additional funding	Local funding
Status: Deleted. Thunderstorms have been included in the “severe weather” profile.									
10.3.1	Tornados		Develop an informational brochure to distribute to local residents.	6 Months	Washington County EMA		Public Education and Awareness	\$3,000	Local funding, PDM
Status: Deleted. Public information has been consolidated among the various hazards									
10.4.1	Tornado		Assess the number, location, strength, and ability of shelters to house residents and withstand high wind speeds. Identifying shelters near mobile home parks, shopping malls, and other vulnerable public areas should be a priority.	2 years	Washington County EMA, ARC		Emergency Services	\$15,000 - \$20,000	Local funding, ARC, FEMA Planning Grant
Status: Deleted. Project was deemed to be unfeasible.									
11.1.1	Severe Winter Storm		Develop a Resource Manual database that can be used to inventory emergency resources that can be employed to aid in emergency snow removal.	1 Year	Washington County EMA		Emergency Services	\$15,000 - \$20,000	Local funding, FEMA Planning Grant
Status: Deleted. Severe winter storms have been included in the “severe weather” hazard.									



Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
11.2.1	Severe Winter Storm		Strategically place or identify existing sites that could be used as emergency shelters throughout Washington County.	1 Year	Washington County EMA		Emergency Services	\$15,000 - \$20,000	Local funding, FEMA Planning Grant
Status: Deleted. Severe winter storms have been included in the "severe weather" hazard.									
12.1.1	Extreme Temperatures		Develop an informational brochure to distribute to local residents.	6 Months	Washington County EMA		Public Education and Awareness	\$3,000	Local funding
Status: Deleted. Public information has been consolidated among the various hazards									
13.1.1	Wildfire		Distribute information concerning the leading causes of wildfires and steps the general public can take to avoid starting wildfires.	1 Year	ODNR, State Parks Commission		Public Education and Awareness	\$3,000 - \$5,000	ODNR, State Parks Commission
Status: Deleted. Wildfire has been removed from the 2016 update.									
13.1.2	Wildfire		Encourage residents to inspect and clean their chimneys at least once a year.	6 Months	Local Fire Departments		Prevention, Property Protection	No funding necessary	N/A
Status: Deleted. Wildfire has been removed from the 2016 update.									
13.1.3	Wildfire		Encourage residents to properly maintain property in or near wild land areas (including short grass, thinned trees, and removal of low hanging branches, raking of leaves, and keeping woodpiles and other combustibles away from structures).	6 Months	Local Fire Departments		Prevention, Property Protection	No funding necessary	N/A
Status: Deleted. Wildfire has been removed from the 2016 update.									



Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
14.1.1	Miscellaneous Hazards		Establish a communications system that will allow all emergency responders to communicate with each other during large-scale emergency situations.	3 Years	ODNR, State Parks Commission		Emergency Services	\$3,000 - \$5,000	ODNR, State Parks Commission
Status: Completed									
14.1.2	Miscellaneous Hazards		Establish a reverse 911 system to warn residents in the event of a hazardous event, mainly flooding, especially for those residents living in the Duck Creek area.	1 Year	Washington County Sheriff's Office		Prevention	\$2,500 - \$5,000	Local funding, PDM
Status: Completed									
14.1.3	Miscellaneous Hazards		Coordinate with the local cable provider to extend cable service to areas currently without service, especially schools, to provide a system for weather alerts and advanced warnings of severe weather.	3 Years	City Council, County Commission		Prevention	\$60,000 - \$100,000	Local funding, PDM
Status: Deleted. Other notification systems, including Everbridge, have been completed									
14.2.1	Miscellaneous Hazards		Install generators to provide a backup power supply for traffic lights at major intersections.	2 Years	ODOT, County Engineer		Structural Projects	\$1,000 - \$1,500 per site	ODOT, PDM
Status: Deleted. Deemed to be unfeasible.									



Project # (Prior Plan)	Hazard	Project Priority	Strategy	Timeframe	Primary Coord.	Support Agencies	Mit. Type	Est. Cost	Resources
14.4.2	Miscellaneous Hazards		Coordinate with local coal companies and other major businesses to enhance communications on current and proposed projects in order to monitor their development, assess their environmental impact, and facilitate their completion.	Ongoing	Washington County Commission, Local Business Representatives		Prevention	No additional funding	N/A
Status: Deleted.									
14.4.2	Miscellaneous Hazards		Coordinate with emergency services and other pertinent agencies to continuously develop better response protocol to various hazardous events.	Ongoing	Washington County Commission, Local Agency Representatives		Prevention	No additional funding	N/A
Status: Deleted. This falls under day to day operations.									
14.4.3	Miscellaneous Hazards		Work with FEMA representatives and other government officials to identify additional funding programs that are available to the county.	1 Year	Washington County Commission, FEMA		Prevention	No additional funding	N/A
Status: Deleted. This falls under day to day operations.									
18.1.1	Flooding		Purchase and strategically place rain gauges along the Muskingum River in order to provide adequate warnings to the residents of Lowell Village (and the rest of Washington County) of possible flooding.	2 Years	Village Council, Washington County EMA		Prevention, Property Protection	Up to \$500	Local funding
Status: Completed									
19.1.1	Flooding		Participate in the Community Rating System to exceed the minimum NFIP requirements		Village Council	Prevention	No additional funding	N/A	



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			and further reduce flood damages.						
Status: Deleted. No longer a priority for the jurisdiction.									
19.2.1	Flooding		Conduct acquisition of six (6) parcels along Duck Creek. If similar projects are funded in Aurelius Township or the Village of Macksburg, consider joint administration.		Village Council	Prevention, Property Protection	Approx. \$480,000	HMPG	
Status: Completed									
21.1.2	Flooding		Consider elevating portions of Holden Lane out of the floodplain to serve as a flood evacuation route.	5 Years	Village Council, ODOT		Prevention	\$300,000 - \$500,000	Local funding, PDM, ODOT
Status: Deleted. Deemed to be unfeasible.									

