

## **APPENDIX 2: PROJECT PRIORITIZATION**

This appendix contains a spreadsheet used to calculate project prioritization scores.

		The project attempts to reduce the negative impacts of frequent hazards.	The project attempts to reduce the negative impacts of severe hazards.	The project aims to protect the most vulnerable populations.	The project addresses more than one hazard at once.	The project is easy to implement.	The project is easily paid for with local funds or attainable grants.	The project directly aligns with one or more of the goals set by the committee.	The project is already scheduled to start or is in process.	The project promotes partnerships within the county.	The project protects the environment.		
Project		10	9	8	7	6	5	4	3	2	1	Total	StDev
COLUMBIANA (COUNTY)													
4.1.1	Develop GIS capabilities within the Emergency Management Agency through a MOU with the county using non-local funds.				7	6	5	4	3	2		27	1.707825
4.3.1	Integrate site specific disaster mitigation issues into storm water planning initiatives, including efforts to eliminate combined sewer overflows (CSOs).	10	9					4	3	2	1	29	3.435921
4.5.1	Consider installing, re-routing, or increasing the capacity of existing storm drainage systems, which may involve detention and retention ponds.	10	9					4	3	2	1	29	3.435921
4.6.1	Purchase, elevate, or relocate structures currently located in floodplains.	10	9				5	4		2		30	3.03315
7.2.2	Purchase generators that can provide auxiliary power to shelters and other critical facilities throughout Columbiana County.	10	9	8	7		5	4		2		45	2.664965
7.2.5	Include safe rooms as part of all new public facility construction or major renovation projects (e.g., schools and other government buildings).		9	8				4				21	2.160247
8.2.1	Maintain a list of sites that could be used as emergency shelters or points of distribution (PODs) throughout Columbiana County.	10	9	8	7	6	5	4	3	2		54	2.581989
1.1.5	Share information provided by dam owners with jurisdictions downstream of high-hazard dams.					6	5	4	3	2	1	21	1.707825
1.1.6	Support rehabilitation projects, as and if necessary, at high-hazard dams.							4	3	2		9	0.816497
5.1.1	Conduct a commodity flow study to determine what materials are shipped through the county.	10	9			6	5	4				34	2.315167
2.1.2	Using a collaborative approach between preparedness partners (e.g., CCEMA, CCGHD), periodically push weather and other hazard preparedness information via social media outlets.	10	9	8	7	6		4	3	2		49	2.712817

		The project attempts to reduce the negative impacts of frequent hazards.	The project attempts to reduce the negative impacts of severe hazards.	The project aims to protect the most vulnerable populations.	The project addresses more than one hazard at once.	The project is easy to implement.	The project is easily paid for with local funds or attainable grants.	The project directly aligns with one or more of the goals set by the committee.	The project is already scheduled to start or is in process.	The project promotes partnerships within the county.	The project protects the environment.		
Project		10	9	8	7	6	5	4	3	2	1	Total	StDev
6.1.2	Encourage township offices to have a NOAA all-hazard radio to strengthen redundant notification and warning efforts.	10	9	8	7	6	5	4	3	2		54	2.581989
7.1.1	When received from the NWS, use the countywide mass notification system to push weather alerts to residents for all hazards (and particularly weather-related hazards). Ensure additional notification when watches ascend to warnings.	10	9	8	7	6	5	4	3	2		54	2.581989
COLUMBIANA (CITY)													
N/A													
EAST LIVERPOOL													
1B.1.1	Promote flood insurance educational materials via social media.	10	9	8		6	5	4	3			45	2.441144
1B.1.3	Establish a storm water department to maintain the city's storm sewer system.	10	9					4	3	2	1	29	3.435921
1B.1.4	Demolish blighted structures that could contribute to hazard risk.				7		5	4	3		1	20	2
SALEM													
1C.1.2	Coordinate with rail shippers using the line through the city as well as covered facilities in the city to share information about materials, risks, vulnerabilities, and response capabilities. Utilize this information to maintain a commodity flow study and an updated hazmat response plan for the city.	10	9			6	5	4		2		36	2.768875
1C.1.3	As and if conditions necessitate it, rehabilitate or upgrade the Salem Reservoir.							4		2	1	7	1.247219
EAST PALESTINE													
1D.1.2	Encourage residents to adhere to current floodplain regulations in effect.	10	9	8		6	5	4	3			45	2.441144

[illegible]

		The project attempts to reduce the negative impacts of frequent hazards.	The project attempts to reduce the negative impacts of severe hazards.	The project aims to protect the most vulnerable populations.	The project addresses more than one hazard at once.	The project is easy to implement.	The project is easily paid for with local funds or attainable grants.	The project directly aligns with one or more of the goals set by the committee.	The project is already scheduled to start or is in process.	The project promotes partnerships within the county.	The project protects the environment.		
Project		10	9	8	7	6	5	4	3	2	1	Total	StDev
SALINEVILLE													
1J.1.2	Address continued slippage in the village along Route 9.							4			1	5	1.5
1J.1.3	Maintain and, as necessary, upgrade the Salineville Reservoir Dam (which is physically located in Carroll County).							4		2	1	7	1.247219
SUMMITVILLE													
1K.1.1	Clean and maintain creeks and streams, clearing log jams, trees, and sediment bars that prevent water from flowing freely.	10	9			6		4		2	1	32	3.349959
1K.1.2	Coordinate with other municipalities in the county to create agreements for sharing expensive, specialized equipment that can support ditch and culvert maintenance projects.	10	9	8	7	6	5	4	3	2		54	2.581989
WASHINGTONVILLE													
N/A													
WELLSVILLE													
1M.1.1	As and if conditions necessitate it, rehabilitate or upgrade the Wellsville Reservoir Dam.							4		2	1	7	1.247219
1M.1.2	Continue to collect a small amount from citizens for maintenance of the village's levee (e.g., mowing, cutting trees, etc.).			8		6	2	4	3		1	24	2.380476
1M.1.3	Upgrade pumps associated with the levee structure.			8				4		2	1	15	2.680951
1M.1.4	Coordinate with the county regarding the placement of a river gauge on the Ohio River.	10	9			6		4	3	2	1	35	3.207135

# **COLUMBIANA COUNTY HMP HAZARD FREQUENCY CALCULATIONS**

<b>Hazard</b>	<b>Occurrence</b>	<b>Years</b>	<b>Est. per Annum</b>
Drought	4	20	0.2
Earthquake	0	50	0
Extreme Temperatures	11	11	1
Flooding	70	22	3.181818
Public Health Emergency	--	--	2.62
Severe Thunderstorm & Hail	422	51	8.27451
Severe Wind & Tornado	29	64	0.453125
Severe Winter Storm	29	20	1.45
Dam & Levee Failure	7	20	0.35
Hazmat Incident	399	10	39.9

# **COLUMBIANA COUNTY HMP HAZARD SEVERITY CALCULATIONS**

<b>Hazard</b>	<b>Response</b>	<b>Onset</b>	<b>Magnitude</b>	<b>Business</b>	<b>Human</b>	<b>Property</b>	<b>Total</b>	<b>St.Dev. (Tie</b>
Drought	4	1	3	1	1	1	11	1.213352
Earthquake	2	4	1	1	1	1	10	1.105542
Extreme Temperatures	1	1	1	1	2	1	7	0.372678
Flooding	3	2	5	1	2	1	14	1.374369
Public Health Emergency	5	1	1	2	2	1	12	1.414214
Severe Thunderstorm & Hail	3	2	2	1	1	1	10	0.745356
Severe Wind & Tornado	3	4	1	2	3	1	14	1.105542
Severe Winter Storm	3	2	4	1	1	4	15	1.258306
Dam & Levee Failure	1	1	1	1	1	1	6	0
Hazmat Incident	2	4	1	1	2	1	11	1.067187

ۛs)