

Hazard Vulnerability Assessment		PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	RISK
Hazard	Hazard Type	Likelihood this will occur	Possibility of death or injury	Physical losses and damages	Interruption of services and/or harm to reputation	Preplanning and testing of plans	Local response capabilities and resources of the jurisdiction	Access to useful resources beyond the local jurisdiction	4 - 100%
		1 = Low 2 = Guarded 3 = Elevated 4 = High 5 = Severe	1 = Low 2 = Guarded 3 = Elevated 4 = High 5 = Severe	1 = Low 2 = Guarded 3 = Elevated 4 = High 5 = Severe	1 = Low 2 = Guarded 3 = Elevated 4 = High 5 = Severe	5 = Low or None 4 = Low to Mod. 3 = Moderate 2 = Mod. to High 1 = High	5 = Low or None 4 = Low to Mod. 3 = Moderate 2 = Mod. to High 1 = High	5 = Low or None 4 = Low to Mod. 3 = Moderate 2 = Mod. to High 1 = High	
Cyber Incident	Human Caused	3.357	1.786	2.143	3.214	4	3.857	3.357	41.08%
Tornado (EF1 / EF2)	Natural Hazards	3.643	3.071	3.143	3.143	2.5	2.286	2.357	40.07%
Winter Storm - Blizzard	Natural Hazards	3.643	2.571	2.071	3.071	2.929	2.714	2.929	39.55%
Winter Storm - Ice Accumulation with widespread utility outages up to 5 days	Natural Hazards	3.142	2.929	2.786	3.5	3.071	3	2.929	38.15%
Extreme Temperature (Heat or Cold)	Natural Hazards	3.857	2.786	1.929	1.786	2.714	2.571	2.857	37.85%
Thunderstorm with some combination of lightning, urban flood, high winds and/or F0 tornado	Natural Hazards	4.071	2.214	2.143	2.071	2.5	2.357	2.357	37.02%
Tornado (EF3 / EF4 / EF5)	Natural Hazards	3	3.571	3.5	3.5	2.71	2.5	2.5	36.56%
River Flooding	Natural Hazards	3.5	2.071	2.714	2.571	3	2.714	2.357	36.00%
Winter Storm - Ice Accumulation with widespread utility outages over 5 days	Natural Hazards	2.643	3.143	3.071	3.714	3.071	3.071	2.929	33.48%
Drought	Natural Hazards	2.714	1.929	2.429	2.357	3.286	3.286	3.429	30.24%
HazMat Release	Technological	2.929	2.571	2.214	2.571	2.714	2.5	2.643	29.71%
Civil Disturbance	Human Caused	2.5	2.571	2.5	2.5	3	2.786	2.429	26.31%

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Probability * Severity = Risk

SUM((Cx/5)* ((Dx+Ex+Fx+Gx+Hx+Ix)/30))

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Terrorist Acts	Human Caused	2.429	2.643	2.429	2.429	3.143	2.929	2.429	25.91%
Passenger Train Derailment	Technological	2.429	2.143	2.214	2.214	3.286	2.786	2.714	24.87%
Large Mass Gathering	Human Caused	2.643	1.643	1.929	1.929	2.857	2.714	2.857	24.54%
School Violence	Human Caused	2.286	2.429	2	2.714	2.643	2.429	2.286	22.10%
Earthquake	Natural Hazards	1.714	2.357	2.571	2.643	3.929	3.571	3.14	20.81%
Water Service Interruption widespread for up to 5 days	Technological	1.786	2	1.929	2.786	3.643	3.5714	3.357	20.58%
Airplane Crash	Technological	1.857	3.143	2.357	1.929	3	3	2.357	19.54%
Epidemic	Natural Hazards	1.857	2.571	1.5	2.571	3.214	3.071	2.786	19.45%
Disease	Natural Hazards	1.929	2.357	1.286	2.286	3.214	3.286	2.643	19.38%
Urban Conflagration	Technological	1.643	2.286	2.714	2.357	3.286	3	2.714	17.92%
Water Service Interruption widespread for over 5 days	Technological	1.5	2.214	1.929	2.929	3.643	3.5	3.429	17.64%
Dam Failure	Technological	1.5	2	2.214	2.143	3.429	3.357	3	16.14%
Sabotage	Human Caused	1.429	1.571	1.857	2.286	3.357	3.214	2.786	14.36%

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