

Table 3-3 Technological Hazard Risk Estimate Matrix

	Hazardous Materials Incident	Pollution (algal bloom, phosphorus, etc.)	Multi-Structure Urban Fire	Sewer Service Loss	Water Supply Loss	Invasive Species	Natural Gas Service Loss	Telecommunications Failure	Major Transportation Incident	Power Loss	Other Fuel Service Loss
Area Impacted Key: 0 = No developed area impacted 1 = Less than 25% of developed area impacted 2 = Less than 50% of developed area impacted 3 = Less than 75% of developed area impacted 4 = Over 75% of developed area impacted	1	1	1	1	1	1	1	3	1	2	1
Consequences											
Health & Safety Consequences Key: 0 = No health and safety impact 1 = Few injuries or illnesses 2 = Few fatalities or illnesses 3 = Numerous Fatalities	2	1	2	1	1	0	1	1	2	1	1
Property Damage Key: 0 = No property damage 1 = Few properties destroyed or damaged 2 = Few destroyed but many damaged 3 = Few damaged and many destroyed 4 = Many properties destroyed and damaged	1	1	2	1	1	0	1	0	1	1	1
Environmental Damage Key: 0 = Little or no environmental damage 1 = Resources damaged with short-term recovery 2 = Resources damaged with long-term recovery 3 = Resources destroyed beyond recovery	2	2	0	1	0	2	0	0	1	0	0
Economic Disruption Key: 0 = No economic impact 1 = Low direct and/or indirect costs 2 = High direct and low indirect costs 2 = Low direct and high indirect costs 3 = High direct and high indirect costs	1	2	1	1	2	2	2	1	1	3	1
Sum of Area & Consequences Scores	7	7	6	5	5	5	5	5	6	7	4
Probability of Occurrence Key: 1 = Unknown but rare occurrence 2 = Unknown but anticipate an occurrence 3 = 100 years or less occurrence 4 = 25 years or less occurrence 5 = Once a year or more occurrence	4	4	4	4	4	4	3	3	2	1	1
TOTAL RISK RATING Total Risk Rating = Sum of Area & Consequences Scores x Probability of Occurrence	28	28	24	20	20	20	15	15	12	7	4

Table 3-4 Societal Hazard Risk Estimate Matrix

	<i>Economic Recession</i>	<i>Terrorism</i>	<i>Crime</i>	<i>Epidemic</i>	<i>Civil Disturbance</i>	<i>Key Employer Loss</i>
Area Impacted Key: 0 = No developed area impacted 1 = Less than 25% of developed area impacted 2 = Less than 50% of developed area impacted 3 = Less than 75% of developed area impacted 4 = Over 75% of developed area impacted	4	1	1	3	1	1
Consequences						
<i>Health & Safety Consequences</i> Key: 0 = No health and safety impact 1 = Few injuries or illnesses 2 = Few fatalities or illnesses 3 = Numerous Fatalities	1	3	2	2	2	1
<i>Property Damage</i> Key: 0 = No property damage 1 = Few properties destroyed or damaged 2 = Few destroyed but many damaged 3 = Few damaged and many destroyed 4 = Many properties destroyed and damaged	0	3	1	0	1	0
<i>Environmental Damage</i> Key: 0 = Little or no environmental damage 1 = Resources damaged with short-term recovery 2 = Resources damaged with long-term recovery 3 = Resources destroyed beyond recovery	0	0	0	0	0	0
<i>Economic Disruption</i> Key: 0 = No economic impact 1 = Low direct and/or indirect costs 2 = High direct and low indirect costs 2 = Low direct and high indirect costs 3 = High direct and high indirect costs	2	2	2	3	1	2
Sum of Area & Consequences Scores	7	9	6	8	5	4
Probability of Occurrence Key: 1 = Unknown but rare occurrence 2 = Unknown but anticipate an occurrence 3 = 100 years or less occurrence 4 = 25 years or less occurrence 5 = Once a year or more occurrence	4	3	4	3	4	4
TOTAL RISK RATING Total Risk Rating = Sum of Area & Consequences Scores x Probability of Occurrence	28	27	24	24	20	16