

Appendix D: Loss Estimate Data

Several steps were taken by the HMCC to estimate the damages that Lorain County would endure under the assumption that a large-scale disaster occurred. These findings were then used in the HIRA as factual data during establishment of strategies and determination of priorities.

The first step was to consider the vulnerability of property, per jurisdiction, given a varied list of hazards. The following table depicts the degree of vulnerability of structures, by jurisdiction, for individual types of incidents.

Coastal erosion is only likely in those communities along the lakeshore. Since Lake Erie is shallow and the coastline is generally a very gradual sloping coastline, the risk of damage is either “medium” for the communities along the lakeshore, or “low” for those jurisdictions that have no shoreline. Dam failure damage is “low” for communities that have no dams nor lie downstream from a large dam, but the damages increase in proximity to water containment structures. Those jurisdictions that are primarily agricultural have more vulnerability to drought, and those that consist of business, industry and tourism are less vulnerable. The large cities are more vulnerable to damage from earthquake because they have higher and more complex buildings, more multi-layer roadways, and more multi-family housing that is multiple stories high. On the other hand, all jurisdictions share similar vulnerability to hail, wind, tornado, blizzards, and temperature extremes. Those communities in proximity to major waterways, in or near flood zones, are more vulnerable to flooding. None of Lorain County is vulnerable to wildfires because of the lack of dense forestation and underbrush; “wildfires” in Lorain County tend to be brush fires and field fires in the rural areas where few structures exist.

The table below summarizes property vulnerability to hazards per jurisdiction.

Hazard Vulnerabilities

	Coastal Erosion	Dam Failure	Drought	Earthquake	Flooding	Hailstorm	Severe Thunderstorm	Tornado or Wind	Severe Winter Storm	Extreme Temperature	Wildfire
Amherst	M	M	L	H	M	H	H	H	L	L	L
Avon	L	H	L	H	M	H	H	H	L	L	L
Avon Lake	M	L	L	H	M	H	H	H	L	L	L
Elyria	L	H	L	H	M	H	H	H	L	L	L
Grafton	L	H	M	M	M	H	H	H	L	L	L
Kipton	L	L	M	M	L	H	H	H	L	L	L
LaGrange	L	H	M	M	M	H	H	H	L	L	L
Lorain	M	H	L	H	M	H	H	H	L	L	L
North Ridgeville	L	M	L	H	M	H	H	H	L	L	L
Oberlin	L	H	M	H	L	H	H	H	L	L	L

Rochester	L	L	M	M	L	H	H	H	L	L	L
Sheffield Lake	M	L	L	H	M	H	H	H	L	L	L
Sheffield Village	L	L	L	H	M	H	H	H	L	L	L
South Amherst	L	L	L	M	M	H	H	H	L	L	L
Vermilion	M	H	L	M	M	H	H	H	L	L	L
Wellington	L	H	M	M	L	H	H	H	L	L	L
Lorain County	L	M	L	H	M	H	H	H	L	L	L
Adjusted Priority	11	10	6	8	4	5	1	2	3	7	9
LEGEND: L: Low Damage M: Medium Damage H: High Damage											

Property Valuation

The second step was to assess what property exists in each jurisdiction. Like most counties, some jurisdictions have more valued property than others. An assessment was done of property values, per jurisdiction, as the next step in determining vulnerability. The property values, in order to establish and maintain some semblance of consistency, are expressed in tax valuations that are approximately 35% of market values. This was done because market values, post 2008 recession, are still fluctuating in Lorain County. Parts of the county have recovered partially, and other parts are still suffering. As valuations were considered, tax valuations were the most consistently expressed and similar from jurisdiction to jurisdiction.

Property values by jurisdiction are based on information provided by the Lorain County Auditor. The figures below are tax valuations of property. The first chart lists the total property value of each jurisdiction from highest to lowest. The second chart lists property value by category for each jurisdiction.

Jurisdiction	Total Property Value
Elyria	\$2,870,523,581
Lorain	\$2,673,594,908
Avon	\$2,428,255,820
Avon Lake	\$2,289,025,050
North Ridgeville	\$2,064,286,601
Amherst	\$959,547,480
Oberlin	\$619,774,760
Columbia Township	\$617,243,840
Carlisle Township	\$511,648,480
Eaton Township	\$485,232,750
Sheffield	\$470,731,530
Sheffield Lake	\$428,972,360
Vermilion	\$400,164,900
Amherst Township	\$342,731,464
Grafton	\$304,905,250
Wellington	\$272,269,551
Grafton Township	\$235,765,830

Elyria Township	\$210,953,480
New Russia Township	\$196,533,600
Sheffield Township	\$184,852,580
LaGrange	\$179,180,620
Pittsfield Township	\$168,297,930
Henrietta Township	\$155,805,250
Penfield Township	\$150,454,720
Brownhelm Township	\$144,945,450
Camden Township	\$138,414,100
Wellington Township	\$120,914,150
Huntington Township	\$107,990,550
South Amherst	\$92,558,220
Brighton Township	\$69,166,740
Rochester Township	\$55,957,630
Kipton	\$10,181,800
Rochester	\$7,777,860

Properties in the following table are broken down into major categories. Residential consists of all property where people live, including multi-family units. Agricultural property includes land and buildings used for agricultural production, but homes are included in the residential numbers. Commercial property includes business, such as offices, retail outlets, and service based enterprises. Food processing is considered commercial property, and restaurants are considered commercial. Industrial includes manufacturing and processing that is non-agricultural in nature. Public utilities are water, gas, sewage treatment, electrical, and other power generating plants and facilities. Minerals include gas and oil wells. Special abatement properties are those under special tax reductions that are non-agricultural such as business incentive programs that reduce tax burdens for new or expanding businesses. Exempt properties include those owned by non-profit organizations or public institutions that don't pay property tax, such as schools and churches.

The property values are expressed per category per jurisdiction, and total are expressed in the previous table.

	Residential	Agricultural	Commercial	Industrial	Public Utilities	Minerals	Special Tax Abatement	Exempt
Amherst	\$698,506,420	\$1,105,040	\$137,770,490	\$17,854,350	\$129,370	\$ 0	\$ 0	\$104,181,810
Amherst Twp.	\$272,101,244	\$18,090,120	\$35,975,520	\$3,837,620	\$82,630	\$ 0	\$ 0	\$12,644,330
Avon	\$1,586,761,480	\$23,305,110	\$453,355,100	\$156,037,520	\$51,260	\$3,020	\$6,219,330	\$202,523,000
Avon Lake	\$1,849,227,090	\$2,403,280	\$194,818,790	\$70,665,180	\$1,334,310	\$ 0	\$41,719,460	\$128,856,940
Brighton Twp.	\$39,403,710	\$26,849,680	\$1,525,770	\$32,050	\$74,400	\$ 0	\$ 0	\$1,281,130
Brownhelm Twp.	\$117,490,160	\$18,427,580	\$3,065,970	\$869,280	\$ 0	\$ 0	\$ 0	\$5,092,460
Camden Twp.	\$61,501,220	\$73,126,290	\$688,330	\$667,910	\$ 0	\$ 0	\$ 0	\$2,430,350
Carlisle Twp.	\$400,456,930	\$35,175,480	\$33,612,210	\$6,625,870	\$103,660	\$4,970	\$ 0	\$35,669,360
Columbia Twp.	\$490,904,120	\$43,119,410	\$40,331,470	\$7,714,750	\$155,310	\$122,570	\$ 0	\$34,896,210
Eaton Twp.	\$309,736,080	\$40,657,650	\$38,321,430	\$11,001,410	\$170,180	\$2,710	\$ 0	\$85,343,290
Elyria	\$1,547,617,601	\$5,788,680	\$608,973,640	\$156,444,010	\$467,780	\$ 0	\$21,357,330	\$529,874,540
Elyria Twp.	\$144,407,730	\$4,706,760	\$25,043,840	\$3,936,040	\$82,310	\$ 0	\$ 0	\$32,776,800
Grafton	\$119,832,030	\$2,065,600	\$25,349,660	\$11,966,670	\$108,970	\$ 0	\$448,520	\$145,133,800
Grafton Twp.	\$165,832,030	\$61,858,000	\$3,612,470	\$ 0	\$178,860	\$22,830	\$ 0	\$4,261,640
Henrietta Twp.	\$96,399,510	\$45,261,940	\$3,605,160	\$ 0	\$ 0	\$ 0	\$ 0	\$10,538,640
Huntington Twp.	\$60,942,630	\$38,720,010	\$2,466,810	\$364,310	\$47,600	\$ 0	\$ 0	\$5,449,190
Kipton	\$7,790,980	\$635,810	\$256,450	\$322,210	\$ 0	\$ 0	\$ 0	\$1,176,350
LaGrange	\$101,801,500	\$1,392,230	\$17,652,780	\$13,067,140	\$36,860	\$ 0	\$11,088,210	\$34,141,900
LaGrange Twp.	\$193,783,270	\$59,983,780	\$3,295,950	\$ 0	\$191,030	\$3,170	\$ 0	\$4,066,330
Lorain	\$1,632,513,637	\$1,958,880	\$412,391,330	\$89,734,180	\$3,256,650	\$ 0	\$51,170,200	\$482,570,031

	Residential	Agricultural	Commercial	Industrial	Public Utilities	Minerals	Special Tax Abatement	Exempt
New Russia Twp.	\$99,017,770	\$47,115,190	\$13,951,220	\$2,806,590	\$ 0	\$ 0	\$ 0	\$33,642,830
North Ridgeville	\$1,716,017,821	\$20,161,850	\$185,629,020	\$56,859,000	\$336,570	\$4,710	\$9,442,870	\$75,834,760
Oberlin	\$230,894,160	\$3,079,580	\$92,604,690	\$12,822,410	\$ 0	\$ 0	\$ 0	\$280,373,920
Penfield Twp.	\$96,763,290	\$47,694,690	\$3,316,530	\$ 0	\$ 0	\$ 0	\$ 0	\$2,680,210
Pittsfield Twp.	\$79,158,150	\$49,242,710	\$7,735,380	\$ 0	\$9,370	\$ 0	\$ 0	\$32,152,320
Rochester	\$5,796,200	\$1,326,880	\$268,320	\$ 0	\$60,800	\$ 0	\$ 0	\$325,660
Rochester Twp.	\$27,787,000	\$26,053,340	\$13,850	\$ 0	\$111,880	\$ 0	\$ 0	\$1,991,560
Sheffield	\$205,872,390	\$5,307,090	\$189,135,290	\$38,695,710	\$6,036,920	\$ 0	\$2,023,850	\$23,660,280
Sheffield Lake	\$374,240,160	\$ 0	\$39,272,870	\$1,935,500	\$ 0	\$ 0	\$ 0	\$13,523,830
Sheffield Twp.	\$95,945,730	\$66,410	\$44,020,960	\$6,343,600	\$403,430	\$ 0	\$3,722,340	\$34,350,110
South Amherst	\$77,775,050	\$2,796,800	\$3,209,940	\$746,090	\$ 0	\$ 0	\$ 0	\$8,030,340
Vermilion	\$326,869,910	\$9,706,190	\$46,894,240	\$2,686,220	\$276,970	\$ 0	\$1,251,630	\$12,479,740
Wellington	\$168,220,291	\$53,900	\$54,163,430	\$19,467,690	\$83,260	\$ 0	\$1,705,740	\$28,575,240
Wellington Twp.	\$65,308,890	\$37,998,370	\$8,009,360	\$5,203,040	\$236,880	\$ 0	\$ 0	\$4,157,610
County Total	\$13,466,676,184	\$755,234,330	\$2,730,338,270	\$698,706,350	\$14,027,260	\$163,980	\$150,149,480	\$2,414,686,511

Jurisdiction Asset Grids

The following asset grid tables were taken from the 2007 Lorain County Hazard Mitigation Plan because they still reflect valid information that was reflected in the current risk assessment. The structures have not changed, and the risk levels have not changed since the previous plan was written in 2007.

Specific critical assets are listed, by jurisdiction, with corresponding vulnerability to specific types of hazards. Each critical asset, based upon its location and type, is assigned a low, medium, or high risk level for a set of hazards. These were imported “as is” because they are still valid information; however, some of the hazards listed across the top bar are not included in this plan. Examples of hazards not included in this plan (which are included in other Lorain County plans today) include several hazards, among them “infestation” and “HazMat”.

Because these files were still significantly accurate but un-editable due to format, they were imported “as is”. Any necessary adjustments in valuations were made as property values were assessed in current Lorain County Auditor documents.

Amherst City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infectation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Amherst Fire Dept.	M	M	M	M	M	M	L	M	M	M	M	M	L	M	L
EMH Amherst Hospital	M	M	M	M	M	M	L	M	M	M	M	M	L	M	L
Cooper Foster Urgent Care Center	M	M	M	H	M	M	L	M	M	M	M	M	L	M	L
Golden Acres County Home	M	H	M	H	M	M	L	M	M	M	M	M	L	M	L
Amherst Jr. High	M	M	M	M	M	M	L	M	M	M	M	M	L	M	L
South Street ES	L	M	M	M	L	M	L	M	M	M	M	M	L	M	M
Amherst Township	M	M	M	M	M	M	L	M	M	M	M	M	L	M	L
Amherst Police Dept.	M	M	M	M	M	M	L	M	M	M	M	M	L	M	L
Amherst Water Treatment Plant	M	M	M	M	M	M	M	M	M	M	M	M	L	M	L
Community Health Partners	H	L	M	H	M	M	M	M	M	M	M	M	L	M	L
Josiah Harris ES	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L
Marion L. Steele HS	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L
Powers ES	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L
Shupe ES	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L
South Amherst MS	L	M	M	M	L	M	M	M	M	M	M	M	L	M	M
Walter G Nord JHS	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L

Avon City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfire
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Avon Fire Dept.	M	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Fire Station (1)	M	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Library Bldg.	M	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Police Station	M	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon East ES	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon HS	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon MS	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Village ES	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Parks Dept.	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon City Hall	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Oxco Village Hall	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Community Center	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Community Park Structures	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Isle	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Service Garage	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Water Storage Tank	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Utility Building	H	H	M	H	M	M	L	M	H	M	M	M	L	M	L
Avon Police Dept.	M	H	M	H	M	M	M	M	H	M	M	M	L	M	L

Avon Lake City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Avon Lake Fire Dept.	H	L	M	H	H	M	L	M	H	M	M	M	L	M	L
Avon Lake Public Library	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Avon Lake City Schools	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Avon Lake HS	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Erenew ES	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Learwood MS	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Redwood ES	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Troy IS	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Westview ES	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L
City of Avon Lake (Total)	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
City of Avon Lake (City Hall)	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
City of Avon Lake Civic Center	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
City of Avon Lake Engineer Bldg.	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
City of Avon Lake Shelter Houses	M	L	M	H	H	H	L	M	L	M	M	M	L	M	L
Avon Lake Police Dept.	H	L	M	H	H	H	L	M	L	M	M	M	L	M	L

Elyria City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hallatomm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Train Station	L	L	M	M	L	M	L	M	L	M	M	M	L	M	L
Elyria FD (station # 1)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Elyria FD (station # 2)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Elyria FD (station # 3)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Elyria FD (station # 4)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Elyria Twp Fire Dept.	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Free Clinic	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Elyria Medical Center	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Community College	L	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Educational Service Center of Lorain County	H	H	M	H	H	M	L	M	L	M	M	M	L	M	M
Lorain County Court House	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Engineer's Office	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain County JVS	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Cascade ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
East Carlisle ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Ely ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Erie ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Franklin ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Hilltop Academy MS	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Kindergarten Village ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
McKinley ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Northwood JHS	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Oakwood ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L

Roosevelt ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Spring Valley	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Westwood ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Westwood JHS	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Windsor ES	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lifecare Ambulance Inc. Bldg. 1 (640 Cleveland St)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lifecare Ambulance Inc. Bldg. 2 (120 Eady Court)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lifecare Ambulance Inc. Bldg. 3 (205 West Ave.)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lifecare Ambulance Inc. Bldg. 4 (109 West 23rd)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Rural Lorain Water Authority	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain County Administration Building	M	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Comm. Development	M	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Chamber of Commerce	M	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain County Transit	M	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Elyria City Health Dept.	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Lorain City Health Dept./ T.B. Clinic	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain County Health Dept.	L	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Elyria Township	L	H	M	M	H	H	L	H	L	M	M	M	L	H	L
Elyria Police Dept.	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Salvation Army (Elyria)	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Emergency Services Building	H	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Solid Waste Authority	L	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Elyria Workshop	L	H	M	H	H	H	L	H	L	M	M	M	L	H	L
Crestwood ES	L	H	M	H	H	H	M	H	L	M	M	M	L	H	L
Elyria HS	L	H	M	M	H	H	M	H	L	M	M	M	L	H	L
Elyria Foundry Co.	L	H	M	H	H	H	M	H	L	M	M	M	L	H	L
Elyria Plating Corp.	L	H	M	H	H	H	M	H	L	M	M	M	L	H	L
Elyria Waste Water Pollution Control Plant	L	H	M	H	H	H	M	H	L	M	M	M	L	H	L
Elyria City Health Dept.	L	H	M	H	H	H	M	H	L	M	M	M	L	H	L
City of Elyria Public Utilities	L	H	M	M	H	H	M	H	L	M	M	M	L	H	L
EMH Regional Medical Center	L	H	M	H	M	M	M	M	H	M	M	M	L	M	L

Grafton Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Grafton Twp Fire Dept.	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Village Fire Dept.	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Brush ES	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Midview HS	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Midview MS	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Township One Room School	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Township Storage Barn	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Township Service Garage	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Correctional Inst.	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton Police Dept.	L	H	M	H	L	H	L	M	M	M	M	M	L	M	M
Grafton ES	L	H	M	H	L	H	M	H	L	M	M	M	L	H	L

Kipton Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L

Lagrange Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
LaGrange Fire Dept.	L	H	M	M	L	M	L	M	M	M	M	M	L	M	M
Keystone HS	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
Keystone MS	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
Keystone Bus Garage	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
Masson ES	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
West Carlisle ES	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
LaGrange Township	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
LaGrange Police Dept.	L	H	M	M	L	M	L	M	M	M	M	M	L	M	L
LaGrange Water Distribution	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H
LaGrange Wastewater Treatment Plant	L	H	M	M	L	M	L	M	M	M	M	M	L	M	H

Lorain City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infectation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Runways	L	L	M	M	L	M	L	L	L	L	M	M	L	M	L
Lorain Fire Dept.	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Clearview HS	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Durling ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Hawthorne ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Homewood ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Irving ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lakeview ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Larkmoor ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lincoln ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Longfellow ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lorain MS	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lowell ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Meister Road ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Southview HS	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Vincent ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Whittier MS	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Rural Lorain Water Authority	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain City Health Dept./ T.B. Clinic	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain Correctional Inst.	H	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Lorain Waste Water Plant	L	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lorain City Water Purification	L	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Salvation Army (Lorain)	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Lorain Workshop	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L

South Lorain County Ambulance District	L	H	M	H	L	M	M	M	M	M	M	M	L	M	M
Lorain City Hall	H	H	M	M	H	H	M	H	H	M	M	M	L	H	L
EMH Regional Medical Center	L	H	M	H	M	M	M	M	H	M	M	M	L	M	L
Lorain County Free Clinic	H	H	M	M	H	H	M	H	H	M	M	M	L	H	L
Educational Services Center of Lorain County	H	H	M	H	H	M	M	M	L	M	M	M	L	M	M
Black River Wastewater Treatment Plant	H	H	M	M	M	M	M	M	M	M	M	M	L	M	M

North Ridgeville City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
North Ridgeville Fire Dept.	L	M	M	H	H	M	L	M	L	M	M	M	L	M	L
Eastwood FS	M	M	M	H	H	M	L	H	L	M	M	M	L	M	M
Langston MS	M	M	M	H	H	M	L	M	L	M	M	M	L	M	M
Lear North ES	M	M	M	H	H	M	L	M	L	M	M	M	L	M	M
Liberty ES	M	M	M	H	H	M	L	M	L	M	M	M	L	M	M
North Ridgeville HS	L	M	M	H	H	M	L	M	L	M	M	M	L	M	M
North Ridgeville MS	L	M	M	H	H	M	L	M	L	M	M	M	L	M	M
Wilcox ES	M	M	M	H	H	M	L	M	L	M	M	M	L	M	M
William Barr ES	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
North Ridgeville Police Dept.	L	M	M	H	H	M	L	M	L	M	M	M	L	M	M

Oberlin City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Oberlin Fire Dept.	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Lorain County Community College	L	H	M	H	H	H	L	H	H	M	M	M	L	H	L
Oberlin College	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Firelands ES	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Firelands HS	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Josiah Harris ES	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Oberlin HS	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Prospect ES	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Oberlin Water Treatment Plant	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Oberlin Workshop	L	H	M	M	M	M	L	H	M	M	M	M	L	M	L
Oberlin Police Dept.	L	H	M	M	M	M	M	H	M	M	M	M	L	M	L

Rochester Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Rochester Vol. Fire Dept.	L	L	M	M	L	H	L	M	L	M	M	M	L	M	H
Rochester Township	L	L	M	M	L	H	L	M	L	M	M	M	L	M	H

Sheffield Lake City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extrema - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Sheffield Lake Fire Dept.	H	L	M	H	L	L	L	M	M	M	M	M	L	M	L
Sheffield Twp Fire Dept.	H	L	M	H	L	L	L	M	M	M	M	M	L	M	L
Forestlawn ES	H	L	M	H	M	L	L	M	M	M	M	M	L	M	M
Knollwood ES	H	L	M	H	M	L	L	M	M	M	M	M	L	M	L
Tennyson ES	H	L	M	H	M	L	L	M	M	M	M	M	L	M	M
Sheffield Township	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Sheffield Lake Police Dept.	H	L	M	H	M	L	L	M	M	M	M	M	L	M	L

Sheffield Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Sheffield Twp Fire Dept.	H	L	M	H	L	L	L	M	M	M	M	M	L	M	L
Sheffield Village Fire Dept.	H	L	M	H	L	L	L	M	M	M	M	M	L	M	L
Barr ES	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Brookside HS	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
William Barr ES	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Village of Sheffield Municipal Building	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Village of Sheffield Service Dept.	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Village of Sheffield (Hall)	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Sheffield Township	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Sheffield Village Police Dept.	H	L	M	H	L	L	L	M	L	M	M	M	L	M	L
Sheffield Administration Building	H	L	M	H	H	H	M	H	L	M	M	M	L	H	L
Sheffield Bus Garage	H	L	M	H	H	H	M	H	L	M	M	M	L	H	L
Sheffield MS	H	L	M	H	H	H	M	H	L	M	M	M	L	H	L
William Barr ES	H	L	M	H	L	L	M	M	L	M	M	M	L	M	L

South Amherst Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hallertorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
South Amherst Fire Dept.	L	M	M	M	L	M	L	M	M	M	M	M	L	M	M
South Amherst MS	L	M	M	M	L	M	L	M	M	M	M	M	L	M	M
South Amherst Police Dept.	L	M	M	M	L	M	L	M	M	M	M	M	L	M	M

Vermilion City Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Vermilion HS	H	H	M	M	M	H	L	M	M	M	M	M	L	M	M
Vermilion IS	H	H	M	M	M	H	L	M	M	M	M	M	L	M	M
Vincent ES	H	H	M	M	H	H	L	H	H	M	M	M	L	H	L
Vermilion Police Dept.	H	H	M	M	L	L	L	M	M	M	M	M	L	M	M
Vermilion Wastewater Treatment Plant	H	H	M	M	M	M	L	M	M	M	M	M	L	M	M
Kingston of Vermilion	H	H	M	M	H	H	M	H	L	M	M	M	L	H	L
Valley View Administration Building (Vermilion Local)	H	H	M	M	H	H	M	H	L	M	M	M	L	H	L

Wellington Village Asset Grid

Name or Description of Asset	Coastal Erosion	Dam Failure	Drought	Earthquake	Epidemic	Flooding	Hailstorm	HAZMAT	Infestation	Thunderstorm	Wind & Tornado	Winter Storm	Temp. Extreme - Heat Wave	Terrorism	Wildfires
Roads	L	L	M	M	L	M	M	L	L	L	M	M	L	M	L
Railroads	L	L	M	M	L	M	L	L	L	L	M	L	L	M	L
Bridges	L	L	M	H	L	M	L	L	L	L	M	L	L	M	L
Wellington FD Station #1	L	H	M	M	M	H	L	M	H	M	M	M	L	M	H
Wellington FD Station #2	L	H	M	M	M	H	L	M	H	M	M	M	L	M	H
McCormick ES	L	H	M	M	M	H	L	M	H	M	M	M	L	M	H
Wellington HS	L	H	M	M	M	H	L	M	H	M	M	M	L	M	H
Wellington Township	L	H	M	M	L	L	L	M	L	M	M	M	L	M	L
Wellington Police Dept.	L	H	M	M	M	H	L	M	H	M	M	M	L	M	H
Wellington Wastewater Treatment Plant	L	H	M	M	M	H	L	M	M	M	M	M	L	M	M